BEFORE THE HON'BLE CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

PETITION	NO	
	140	

IN THE MATTER OF

: Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of Barh Super Thermal Power Station Stage-II (1320 MW) for the period from 01.04.2019 to 31.03.2024.

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NEW DELHI

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AND IN THE MATTER OF

Petitioner:

NTPC Ltd.
 NTPC Bhawan
 Core-7, Scope Complex
 7, Institutional Area, Lodhi Road
 New Delhi-110 003.

Respondents

- North Bihar Power Distribution Company Limited 1st Floor, Vidyut Bhawan, Bailey Road, Patna - 800 001
- South Bihar Power Distribution Company Limited 1st Floor, Vidyut Bhawan, Bailey Road, Patna - 800 001
- Jharkhand Bijlee Vitran Nigam Limited Engineering Building, HEC Township Dhurwa, Ranchi-4.

Power Department

4. Govt. of Sikkim

Kazi Road, Gangtok, Sikkim – 737 101.

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 Tamil Nadu Generation & Distribution Corporation Ltd. (TANGEDCO), 144, Anna Salai, Chennai- 600002

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The Petitioner humbly states that:

- The Petitioner herein NTPC Ltd., is a Government Company within the meaning of the Companies Act, 2013. Further, it is a 'Generating Company' as defined under Section 2(28) of the Electricity Act, 2003.
- 2) The Petitioner is having power stations/ projects at different regions and places in the country. Barh Super Thermal Power Station Stage-II (1320 MW) (hereinafter referred to as Barh-II) is one such station located in the State of Bihar. The power generated from Barh-II is being supplied to the respondents herein above.
- 3) It is submitted that MOP vide letter dated 28.03.2022 has reallocated Jharkhand and Sikkim Barh-II share of power to Tamil Nadu for a period of five years. Copy of the MoP letter attached at Annexure-A. In view of the above, Tamil Nadu generation & Distribution Corporation Ltd. (TANGEDCO) has also been made respondent in the instant petition. Further, MOP vide allocation letter dated 01.11.2022 has revised the allocation and reallocate the power to Tamil Nadu till 29.03.2024. Copy of the MoP letter attached at Annexure-A.1
- Section 62 of Electricity Act, 2003 provides for determination of tariff by the Appropriate Commission for supply of electricity by a generating company. The Hon'ble Commission, under Section 79(1)(a) of the Electricity Act, 2003, is vested with the jurisdiction to regulate the tariff of the Generating Companies owned or controlled by the Central Government.
- 5) Hon'ble Commission has notified the Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2019 (hereinafter 'Tariff Regulations 2019') which came into force from 01.04.2019, specifying the terms & conditions and methodology of tariff determination under Section 62 & 79 of the Electricity Act, 2003.



- The tariff of the station Barh-II for the tariff period 18.02.2016 to 31.3.2019 is under process of determination by the Hon'ble Commission in Petition No. 130/GT/2014 in accordance with the CERC (Terms & Conditions of Tariff) Regulations 2014. The amended petition for determination of tariff for Barh-II was filed before Hon'ble commission vide affidavit dtd 28.06.2019 based on audited capital cost as on COD of Unit-V on 18.02.2016 and COD of unit-IV on 08.03.2016 (COD revised as per Hon'ble Commission order dtd. 20.09.2017 in petition no 130/MP/2015).
- 7) The amended petition was heard on 26.03.2021. The Hon'ble Commission vide Record of Proceedings for the hearing dated 26.03.2021 directed as under:
 - "4. In terms of the interim order dated 01.03.2021 of the Hon'ble Supreme Court and based on the submissions of the parties, the Commission adjourned the hearing of the petition, till final disposal of the Civil Appeal No. 395/2021 by the Hon'ble Supreme Court. In the meanwhile, the Petitioner was directed to file details of the actual expenditure incurred for the period from COD till 31.3.2019 along with tariff filing forms in terms of the Tariff Regulations, for the purpose of determination of tariff of the generating station.
- 8) In line with the directions quoted above, the petitioner has filed petition for truing up additional capital expenditure for the control period from 01.04.2016 to 31.03.2019 based on actual capital expenditure incurred during the tariff period vide affidavit dated 06.09.2021 for the purpose of determination of tariff.
- 9) Regulation 9(2) of Tariff Regulations 2019 provides as follows:
 - "(2) In case of an existing generating station or unit thereof, or transmission system or element thereof, the application shall be made by the generating company or the transmission licensee, as the case may be, by 31.10.2019, based on admitted capital cost including additional capital expenditure already admitted and incurred up to 31.3.2019 (either based on actual or projected additional capital expenditure) and estimated additional capital expenditure for the respective years of the tariff period 2019-24 along with the true up petition

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for the period 2014-19 in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2014."

It is submitted that Hon'ble commission in Order dated 28.10.2019 in Petition no. 331/MP/2019 while exercising power under Regulation 76 of the 2019 Tariff Regulations, has relaxed the Regulation 9(2) of the 2019 Tariff Regulations and allows the Petitioner i.e. Generating Company whose tariff is determined by commission to file the tariff petitions for 2019-24 as under;

"8. (b) where final orders for the 2014-19 period are yet to be issued, tariff petitions for truing up of the tariff of the 2014-19 tariff period and determination of tariff for the 2019-24 petition shall be filed by the Petitioner within three months from the date of issue of the final order for the period 2014-19 period"

In terms of above, the Petitioner is filing the present petition for determination of tariff for Barh-II for the period from 01.04.2019 to 31.03.2024 as per the Tariff Regulations 2019.

- 10) It is submitted that the actual closing capital cost as on 31.03.2019 has been worked out in the foresaid true-up petition as Rs 9613.03 Crs based on the actual expenditure after truing up exercise for the period 2014-19. The Hon'ble Commission may be pleased to accordingly adopt this capital cost as on 31.03.2019 and determine the tariff in the present petition for the period 2019-24.
- The capital expenditure claimed in the instant petition for period 2019-24 is based on the opening capital cost as on 01.04.2019 considered as above and the capital expenditures for the period 2019-20 & 2020-21 have been based on actual audited expenditure and for period 2021-24 projected additional capital expenditure in accordance with the Regulation 19, 24, 25 and 26 of the Tariff Regulations, 2019. The petitioner is submitting balance sheets for the period 2019-20 & 2020-21, attached as Annexure-BS-1/2

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- Barh Stage-II Station achieved COD on 08.03.2016 and in accordance with above provisions of Tariff Regulations, 2019, the cut-off date of the station works out to be 31.03.2019, which falls in the operation of the Tariff Regulations, 2014.
- Capitalization of majority of works of original scope have been completed within cut-off date, however certain works under original scope projected earlier to be capitalized by 31.03.2019 got spilled into the next tariff period on account of unforeseen circumstances beyond the reasonable control of Barh, despite regular monitoring & follow-up. These unavoidable and uncontrollable delays were due to various agencies executing the work in various packages and are now in NCLT, the hindrances created by local villagers during execution of work has hampered the work progress, subsequent effect of Covid-19 pandemic has affected various packages etc. The details of packages delayed along with reasons have been provided in Form 9A of Appendix-I.
- Various factors such as non-availability of aggregate and coarse chips for construction 14) activities due to ban on mining by Govt. of Bihar etc., Socio-economic culture and Law & Order situation was not conducive in surrounding areas thereby leading to Industrial relations problems arising out of extortions, threats etc., Abnormal heavy rainfall during monsoon period delayed major packages, Geological surprises encountered during construction of intake well, local hindrances due to land issues etc. as further elaborated and submitted in amended petition dated 28.06.2019 on COD of Unit-V on 18.02.2016 and COD of Unit-IV on 08.03.2016 had already disrupted the scheduled COD of the station & original schedule of certain balance works. (The relevant pages of the same are being attached again for ready reference of Hon'ble Commission at Annexure-B). It is stated that once the original schedule of project was affected, the 'consequent and cascading' effect of these reasons as mentioned above came heavily upon the schedule of non-COD related balance works. Accordingly, the balance works were displaced from the timeline of completion with respect to the cut-off date. In this regard, it is submitted that Hon'ble APTEL in judgment dated 22.09.2022 in appeal no. 61 of 2020 of petitioner's Station Feroz Gandhi Thermal Power Station Stage-IV has accepted



the fact that delay of any force reasons has consequential delay also. The relevant portion of Judgment is as follows:

"10. We agree with the appellant that the Commission has failed to appreciate the prevalent circumstances in proper light. The moratorium or embargo imposed against mining of sand etc., as indeed excessive rainfall seen by the region have been treated as force majeure events but it cannot be said that the effect thereof would have impaired the development activities only to the extent for the period for which time overrun has been allowed. The cascading effect of such events cannot be ignored. As was explained before the Commission on the basis of documents and photographs in support, the rainfall and flooding had rendered the overall movement of heavy vehicles virtually impossible. The safety, security and reliability standards obliged the developer not to rush into achieving the COD as that would have put human life and public property to undue risk. In these circumstances, the reasoning given by the Central Commission for denial of the condonation of time overrun to the extent of 157 days does not appeal to us.

"14. In contrast, in the case at hand, the Central Commission has allowed only 26 days, earlier envisaged in IA dated 30.07.2013 as the sufficient period prior to COD. We agree that not only in the light of the above norms under Connectivity Regulations, 2009, as explained in 2015 by the Central Commission itself, but also, and particularly in the face of unforeseeable force majeure events which have led to substantial disruption in major activities, the delay of further 157 days (beyond 31.03.2017) also deserves to be condoned."

In view of the APTEL findings it is prayed that Hon'ble Commission may please consider the consequential delay due to the reasons mentioned above which where beyond the control of petitioner. The majority of the above-mentioned works are non-COD related balance works and are pertaining to Main Plant/Offsite Civil Works, WTP, Fire Fighting system, Ash Handling System, Ventilation, AWRS etc.

15) It is submitted that due to the reasons mentioned above, the capitalization of certain additional capitalization schemes also got delayed beyond cut-off date. NTPC has accordingly prayed in the present petition to complete the capitalization under the

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original scope of work. Tariff Regulations provide the concept of cut off date to deal with the basis for capital expenditure that should be incurred from the COD of a generating station till a defined period. Since it is not possible that on the COD, all the packages will be completed Hon'ble Commission has provided the concept of cut-off date to give adequate time to the generating companies to capitalize certain works which though necessary for the long-term operation of the generating units, are not mandatory at the time of declaration of COD. However, due to certain uncontrollable circumstances as mentioned in Form 9A, the works which were to be completed by the cut off date spilled over. To take care of such exigencies, this Hon'ble Commission has retained the power to relax under Regulation 76 and the power to remove difficulties under Regulation 77 of the Tariff Regulations 2019 as judicial discretions to be exercised on a case-to-case basis.

In this regard, the ambit and scope of 'Power to Relax' provisions of delegated legislation have been interpreted by various Courts and the Hon'ble Appellate Tribunal in a catena of cases. It is settled position of law that 'Power to relax' can be invoked if the Regulations in any manner causing hardship to a party. The relevant judgments in this regard are as follows: -:

In Judgement dated 20.09.2012 passed in Appeal No. 189 of 2011 titled Tata Power Company Limited Vs. Jharkhand State Electricity Regulatory Commission & Others. The Hon'ble Tribunal has held as under:

- " 29. The principles relating to the exercise of power of relaxation laid down in the above decisions referred to above are as follows:
- (a) The Regulation gives judicial discretion to the Commissions to relax norms based on the circumstances of the case. Such a case has to be one of those exceptions to the general rule. There has to be sufficient reason to justify relaxation which has to be exercised only in the exceptional case where nonexercise of the discretion would cause hardship and injustice to a party.
- (b) If there is a power to relax the regulation, the power must be exercised reasonably and fairly. It cannot be exercised arbitrarily to favour some party and to disfavour some other party.....".

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In Judgment dated 24.03.2015 passed by this Hon'ble Tribunal in Appeal No. 55 of 2013– BSES Yamuna Power Limited vs. CERC & Ors. The Hon'ble Tribunal has held as under:

"18.1. The main contention of the appellants on these issues is that the 'power to remove difficulties' or 'power to relax' has been conferred upon the learned Commission only to remove the trivial defects or peripheral defects and the said powers can only be exercised to the extent necessary to give effect a particular Regulation and such power cannot be exercised when the difficulty arises due to the application of Regulation in Question.

18.2. A look at Regulation 12 of 2004 Tariff Regulations makes it clear that this 'power to remove difficulties' can be exercised by the learned Central Commission if any difficulty arises in giving effect to these Regulations and the Commission can make such provision when the difficulty arises due to the application of Regulation in question. Which should not be inconsistent with the said Regulations. Further, the emphasis of the learned counsel for the appellants is on the point that the said power can only be exercised to the extent necessary only for giving effect to a particular Regulation.

18.3. We have gone through the judgment of Hon'ble Supreme Court, in Madeva Upendra Sinar Vs. Union of India (supra), in which the Hon'ble Supreme Court held that 'power to remove difficulty' may be exercised when there is a difficulty arising in giving effect to the provisions of the Act and not of any extraneous difficulty. This Appellate Tribunal in the case of NTPC Ltd. Vs. Madhya Pradesh State Electricity Board reported in 2007 ELR (APTEL) 7, held that the power comprised in Regulation 13 of 2004 Tariff Regulations is essentially a 'power to relax'. In case, any Regulation causes hardship to a party or works injustice to him or application thereof leads to unjust result, the Regulation can be relaxed. The exercise of power under Regulation 13 of 2004 Tariff Regulations is minimized by the requirement to record the reasons in writing by the Commission before any provision of the Regulations is relaxed. This Appellate Tribunal in the reported case clearly held that there is no doubt that the Commission has the power to relax any provision of the Regulations. Such power has to be exercised only in exceptional cases and where non-exercise of the discretion would cause hardship and injustice to a party or lead to unjust result. Further, it has to be established by the party seeking exercise of 'power to remove difficulties' or 'power to relax' that the circumstances are not created due to act of omission or commission attributable to the party claiming the relaxation,



In Judgement dated 21.03.2018 passed in Appeal No. 107 & 117 of 2015 Haryana Power Purchase Centre Vs. Haryana Electricity Regulatory Commission. Hon'ble Tribunal has held as under:

"59.3 It is an established fact and also, recognised by the State Commission in their order dated 18.04.2011 that adequate amount for O&M expenses is essential for proper upkeep and maintenance of power plants so far as to drive uninterrupted generation and also optimum efficiency. It is noted that the provision in HRC Regulation, 2008 is only 1 % of the capital cost which works out to a meagre amount and not adequate for proper O&M of the power plant. Though, the relaxation is entirely a discretionary power of the Commission but it is settled law that the discretionary power need to be applied while considering justice and equity without discrimination to any party.

59.4 We, therefore, find merit in the claim of Lanco for relaxing the O&M norms as has been done in other cases of generators so as to provide equal treatment. In this regard, we also recall the judgment of this Tribunal (154 of 2012) in regard to exercising of discretionary powers Para 29(b) states as:-

"29(b) If there is a power to relax the regulation, the power must be exercised reasonably and fairly. It cannot be exercised arbitrarily to favour some party and to disfavour some other party.

59.5 We, therefore, conclude that the State Commission should have taken a judicious view for allowing adequate O&M expenses to Lanco by relaxing the provisions contained in their Regulation No. 33. It is in the interest of justice & equity to maintain parity between the State Generating Companies and private generating companies (Lanco) as far as expenditures on Operation and Maintenance are concerned..."

Further, the reasons for delay in completing the balance work are not due to the act of omission or commission attributable to NTPC. These factors/reasons were beyond the control of NTPC despite best efforts put up by NTPC.

17) The Petitioner further respectfully submits that as per Regulation 35(1)(6) of the Tariff Regulations 2019, the water charges, security expenses and capital spares consumed for thermal generating stations are to be allowed separately. The details in respect of water charges such as type of cooling water system, water consumption, rate of water charges as applicable for 2018-19 have been furnished below. Accordingly, water

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charges may be allowed in tariff based on the same for the 2019-24. In accordance with provision of the Regulations, the petitioner is claiming water charges based on the actual expenses for 2019-20 & 2020-21 period along with estimated expenses for the period 2021-24 as provided in Form 3A, the water charges rate are as per Water Resources Dept., GoB notice dated 03.10.2016 placed at Annexure-C. Petitioner shall be furnishing the details of actual for the relevant years at the time of truing up and the same shall be subject to retrospective adjustment.

Description	Remarks
Type of Plant	Thermal Power Plant
Type of cooling water system	Closed Cycle
Consumption of Water	Considering the Total Water Consumption of 36 Cusecs or actual whichever is higher. As per Payment Term, Minimum Payment of 36 Cusecs is to be done if actual withdrawal is less than 36 Cusecs
Rate of Water charges	Rs 18.0 per thousand Gallon

Similarly, the Petitioner is claiming the security expenses based on the actual expenses for 2019-20 & 2020-21 period along with estimated expenses for the period 2021-22 to 2023-24. In respect of capital spares consumption, it is submitted that the same are claimed based on the actual expenses for 2019-20 & 2020-21 period and shall be claimed at the time of true-up in terms of the proviso to the Regulation 35 (1)(6) based on actual consumption of spares during the period 2021-24.

Rail Infrastructure & Augmentation Expenditure for Sustained operation of station:

19) It is submitted that coal supply for the NTPC Barh Stage-II, a non-pit head station, is envisaged from captive coal blocks of Chatti Bariatu located in Jharkhand. The development of these captive coal mine of NTPC is taking time due to deallocation of

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mines and further due to reallocation procedure by GoI, most of the coal is presently being sourced from CIL mines and Pakri Barwadih which are located in Jharkhand. Coal from the said mines is required to be transported through Indian Railways network from the said mines in Jharkhand to Barh Station in Bihar via Hazaribag-Koderma-(Manpur)-Tilaiya-Karnauti-Bakhtiyarpur-Barh route. Existing rail connectivity infrastructure in this rail corridor is inadequate to meet the fuel requirement of the station on sustained operation as Manpur and Bakhtiyarpur stations are located on very busy sections of Indian Railways i.e. Gaya-Gomoh (Delhi-Howarh Chord Line) and Patna-Kiul (Delhi-Howarh main line) sections respectively.

- 20) It is submitted that about 7-8 rakes of coal is required for sustained operation of Barh Stage-II (2x660 MW) i.e. a total of 14-18 rakes movement on these lines. However only 3-4 rakes per day can be provided at Barh Station through existing stretched Indian Railways network.
- 21) It is submitted that in Barh-II major bottleneck in rake movement is encountered at the two surface crossings at Manpur and Bakhtiarpur. The surface crossing on a busy section is a time consuming activity as the rail traffic (both goods as well as passenger trains) movement in both direction needs to be halted. Further, as the Manpur-Bhaktiyarpur line is un-electrified rake movement is held up for change of Locos. This takes long time for movement of coal rakes and hence continuous coal supply to the station gets hampered.
- 22) It is submitted that for ensuring sustained coal supply from coal mines in Jharkhand to the Barh Station, creation of new rail infrastructure and augmentation of existing rail network is required for smooth movement of rakes namely:
 - Construction of flyovers at Bakthiyarpur including 3rd line & surface triangle;
 - ii. Construction of Manpur -Tilaiya flyover; and
 - iii. Additional work of electrification of Manpur-Tilaiya- Bakthiyarpur line.

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- 23) It is submitted that in the normal course capital expenditure on such works is carried out by the Indian Railways. These projects were in the list of projects to be taken up by Railways. However, Indian Railways prioritizes the execution of its projects as per the availability of funds and other considerations. NTPC pursued with Railways for execution of these projects so that coal supply to Barh is ensured. The priority of above mentioned projects/schemes for Railways was low at that time and implementation of these projects by railways was delayed due to lack of funds which in turn adversely affected coal availability to the Barh Power Station where both units of 660 MW are already under commercial operation.
- 24) The Ministry of Railway / the Railway Board on 10.12.2012 notified a policy on "Participative Models in Rail Connectivity and Capacity Augmentation Projects". As per this policy, capacity augmentation of rail infrastructure can be done with funding provided by the customers. This policy addresses the issue of shortage of funds with the Railways to prioritize and take up projects identified for NTPC power stations. When the infrastructure being developed gets operational, Railways pay upto 7% of the amount invested through freight rebate on freight volume every year till the funds provided by the project beneficiary is recovered with interest at the rate equal to prevailing dividend rate payable by Railways to the Exchequer at the time of signing of agreement.
- 25) The projects by Railways got delayed due to lack of funds which in turn has adversely affected coal availability to the Barh Power Station where 2 units of 660 MW of Stage- II each are under commercial operation. The rail infrastructure, which was in existence was only able to cater supply of around 3-4 rakes of coal of per day against the requirement of 14-18 rakes/day. In its meeting held on 09.01.2013, the petitioner had requested the Railways to supply at least 5 rakes per day for the Barh Project, to which the Railways had replied in the negative, stating that the request of 5 rakes per day could not be met without alternative measures under the scheme. Due to inability of Railways to execute the foresaid schemes on account of funds availability, NTPC has released Rs. 665 Crs (till Unit-V COD i.e. on 18.02.2016) to Railways under Ministry of Railway/Railway Board customer funding model to carry out the above said

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infrastructure works so that generation assets of Barh Stage-II are not stranded on account of lack of coal supply. This would address the issue of shortage of funds with the Railways to prioritize and take up the projects identified for NTPC power station.

- 26) Railways have already developed / augmented these infrastructure which are partially ready and are already in use. The projected amount is based on completion of these works in subsequent years. The current status of the work is:
 - Bakhtiyarpur Surface triangle and 3rd line is in service, Flyover work in advance stage of completion
 - II. The Manpur -Tilaiya Flyover in advance stage of completion, work in progress.
 - III. The electrification work of Manpur-Tilaiya- Bakhtiyarpur line is completed.
- Further, above rail infrastructure works are of mandatory nature requirement to ensure station reliable & sustained operations and to meet daily coal requirement through uninterrupted rake movement. The Tariff Regulations 2019 envisages such situation and provides for servicing of such investments towards railway infrastructure and its augmentation for transportation of coal upto the receiving end of the station. Under the customer funding model as per the Railway Board Policy dated 10.12.2012, the amount advanced by NTPC for funding of rail infrastructure projects shall be accounted as revenue advance and hence would not be reflected in the gross block in NTPC Books. It is therefore prayed that that this investment in rail infrastructure be treated as part of capital cost as and when the said infrastructure works gets operational / put to use.
- 28) Besides facilitating adequate coal transportation required for sustained operation of Barh- II, it is submitted that the prioritized & faster implementation of the required rail infrastructure will avoid further cost escalation (due to delays on a/c of funds shortage) and thereby consequent impact on coal transportation cost is controlled.
- 29) It is submitted that the Rail infrastructure augmentation as per the foresaid schemes is beneficial for both NTPC and beneficiaries as it will improve coal availability and ensure sustained generation in Barh station and this is a bonafide and prudent expenditure

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necessary to be incurred for the project. It is reiterated that NTPC had no option other than incurring the said expenditure for participation in the Customer Funding Policy/ Model for meeting its coal requirements.

- 30) In this regard petitioner had filed a petition, being no. 59/MP/2015, seeking consideration of expenditure incurred, however the same was not allowed by Hon'ble Commission vide order dated 15.02.2016. Petitioner had filed review in Hon'ble CERC, however, Hon'ble Commission has not allowed the review. Further, Petitioner filed an appeal (No. 152 of 2016) in Hon'ble ATE against the said order.
- 31) Hon'ble ATE vide its judgement dated 14.08.2023 in Appeal no. 152 of 2016 filed against impugned CERC order dated 15.02.2016 also acknowledged the fact that the petitioner was in no position to meet its daily requirement of coal prior to participation in the scheme and had no other alternative but to participate in the scheme to ensure adequate supply of coal for its station. The relevant extracts of the judgement are as under:

We are satisfied, therefore, that the Appellant had no other alternative but to participate in the scheme to ensure adequate supply of coal for its generating stations...."

......Suffice it to make it clear that, since the matter is now being remanded to the CERC, the Order now passed by us shall not disable the Appellant from putting forth their submissions on the applicability of the 2019 Regulations also, and the CERC shall, without being influenced by its earlier orders (the Original Order as well as the Order in Review) or the pleadings placed on their behalf before this Tribunal, examine the matter afresh in accordance with law..."

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- Therefore, it is prayed that Hon'ble Commission may be pleased to allow the capitalisation of above works as per provision under Regulations 19(3) (e) of Tariff Regulations, 2019 and consider the amount paid to Railways for development of above mentioned rail infrastructure, being mandatory in nature for the sustained & reliable operation of plant in capital cost for Barh Stage-II for its servicing in tariff with liberty to approach Hon'ble Commission at the time of truing up exercise for servicing of the remaining schemes in Barh Stage-II tariff w.e.f period the individual schemes become operational. The amount claimed is based on completion of these works in subsequent years based on cost auditor certificate (Annexure-D). The Current status of work is:
 - Bakhtiyarpur Surface triangle and 3rd line is in service, Flyover work in advance stage of completion
 - The Manpur-Tilaiya Flyover work, in advance stage of completion, work in progress.
 - The electrification work of Manpur-Tilaiya- Bakhtiyarpur line completed.

Accordingly, petitioner has claimed the same work under regulation 19(3)(e) i.e., Capital expenditure incurred towards railway infrastructure and its augmentation for transportation of coal upto the receiving end of generating station.

33) It is submitted that Hon'ble Commission has prescribed boiler efficiency and turbine heat rate separately for deriving the unit heat rate where the Unit Heat Rate is not guaranteed by the suppliers. It is submitted that the instant station was envisaged during the period 2004-09 and equipment's including SG and TG specifications for tendering / award was stipulated considering the boiler efficiency and the turbine heat rate prescribed by the Hon'ble Commission in the Tariff Regulations at that time. Based on the same the equipment's were ordered through international competitive bidding. It was not possible for the petitioner to specify the efficiency parameters at the time of finalizing the contracts on the instant station as per the efficiency parameters specified in Tariff Regulations 2019-24 which are more stringent.



In a similar case, Hon'ble Commission in its order dated 20.02.2014 in Petition No. 160/GT/2012 has considered the design parameters for computing Gross Heat Rate of the station with appropriate operating margin and has stated as under:

"161. As per the guaranteed turbine cycle heat rate of 1945 kCal/kWh and boiler efficiency of 88.5% along with the deviation of 6.5 % as per the 2009 Tariff Regulations, the Gross Heat Rate works out to 2340.59 kcal/kWh. Without the margin of Auxiliary consumption of 6.5%, the Gross Heat Rate works out as 2197.74 kcal/kWh. In light of this, achieving a GSHR of 2220 kcal/kWh as per submission of the respondents 1 to 6 is not possible. Also, the EPC contract was finalized in 2006 and there was no possibility for the petitioner to specify the Station Heat Rate as per the 2009 Tariff Regulations. In view of above, we consider a GSHR of 2340.59 kCal/kWh based on guaranteed turbine cycle heat rate 1945 kCal/kWh and boiler efficiency of 88.5% with a deviation of 6.5 % from the guaranteed design value."

- Further, if the Petitioner had stipulated more stringent unit heat rate this would have increased the capital cost commensurate to the efficiency parameters sought. The benefit of the lower capital cost due to lower efficiency parameters has already been passed onto the beneficiaries in terms of lower capital cost. If now the boiler efficiency for working out the normative heat rate is considered as 86% instead of the actual design efficiency of 83.7 % the unit heat rate would be worked out to be 2137.21 kcal/kwh and the operating margin available over the design heat rate would be 2.19 % only which is much less than the operating margin of 5% allowed in the Tariff Regulations 2019. Moreover, it is submitted that boiler efficiency is largely a function of coal quality. In view of above submissions, it is prayed that Gross Station Heat rate may be allowed based on guaranteed turbine cycle heat rate of 1838 and boiler efficiency of 83.7% with an operating margin of 5 % from the guaranteed design value. The tariff computation attached at Appendix-I is based on considering Station Heat Rate as per design heat rate with applicable operating margin.
- 35) The present petition is filed on the basis of norms specified in the Tariff Regulations 2019. It is submitted that the petitioner is in the process of installing the Emission Control Systems (ECS) in compliance of the Revised Emission Standards as notified by MOEF vide notification dated 07.12.2015 as amended. Completion of these schemes in

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compliance of revised emission norms will effect the station APC, Heat Rate, O&M expenses etc. In addition the availability of the unit/ station would be also effected due to shutdown of the units for installation of ECS. The petitioner has filed the details of the same in a separate petition namely Petition No. 183/MP/2020 in terms of Regulation 29 of Tariff Regulations 2019. Hon'ble Commission vide order dated 31.10.2021 has granted in-principle approval of the following hard cost claimed by the Petitioner towards installation of WFGD system.

- 36) It is submitted that Ministry of Environment, Forest and Climate Change ("MoEF&CC") vide its Notification dated 14.09.1999 mandated that every coal or lignite based Thermal Power Plant ("TPP") by the end of Ninth (9) year from the publication of the said Notification should achieve the fly ash utilization of 100%. That, MoEF&CC vide Notification dated 25.01.2016 amended the Notification dated 14.09.1999 and mandated that ash transportation charges will be borne by the TPPs. in the following manner:
 - "(10) The cost of transportation of ash for road construction projects or for manufacturing of ash based products or use as soil conditioner in agriculture activity within a radius of hundred kilometers from a coal or lignite based thermal power plant shall be borne by such coal or lignite based thermal power plant and the cost of transportation beyond the radius of hundred kilometers and up to three hundred kilometers shall be shared equally between the user and the coal or lignite based thermal power plant.
 - (14) The coal or lignite based thermal power plants shall within a radius of three hundred kilometers bear the entire cost of transportation of ash to the site of road construction projects under Pradhan Mantri Gramin Sadak Yojna and asset creation programmes of the Government involving construction of buildings, road, dams and embankments"."

That on 05.11.2018, this Hon'ble Commission passed an Order in Petition No. 172/MP/2016 and recognized the Notification dated 25.01.2016 as a Change in Law event and admitted the claims that is amount spent over and above ash sale fund on account of ash transportation.

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- 37) It is submitted that the Petitioner filed Petition No. 205/MP/2021 before this Hon'ble Commission seeking recovery of the ash transportation charges for its stations including Barh STPS. On 28.10.2022, Hon'ble Commission passed an order allowing the claim of the petitioner for fly ash transportation expenditure for the period 2019-22 after prudence check and also the recovery of ash transportation charges, under change in law for the balance period (2022-24) on monthly basis from the beneficiaries in the following manner:
 - " 43.Petitioner is entitled for recovery of fly ash transportation charges, under change in law, as additional O&M expenses, we permit the provisional billing at 90% of the fly ash transportation charges incurred by the Petitioner, in respect of its generating stations, for the balance period (i.e. 2022-24), on a monthly basis, based on self-certification, and the beneficiaries shall pay the same accordingly. This is, however, subject to prudence check of the claims, at the time of truing-up of tariff for the period 2019-24...."

Accordingly, same shall be billed to beneficiaries on monthly basis as per directions of Hon'ble Commission in above order for the station.

- 38) It is also submitted that Hon'ble CERC vide its order dated 28.10.2022 in 205/MP/2021 has held that the additional expenditure incurred by the Petitioner towards fly ash transportation cost for the period 2019-24 in terms of the MOEF&CC notifications dated 25.1.2016 and 31.12.2021, is admissible as additional O&M expenses. The relevant extracts of the order as stated are as follows:
 - "25.....the Petitioner is entitled to seek additional cost towards fly ash transportation charges during the period 2019-24, in terms of compliance to MOEF&CC Notification dated 25.1.2016 and as a change in law in terms of the MOEF&CC Notification dated 31.12.2021"
 - "29. Accordingly, we, in exercise of the regulatory power under section 79(1)(a) of the Act, hold that the additional expenditure incurred by the Petitioner towards fly ash transportation cost for the period 2019-24, is admissible as additional

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O&M expenses, as the same is in terms of the MOEF&CC notifications dated 25.1.2016 and 31.12.2021, as stated in para 25 above".

"49......the recovery of additional expenditure incurred towards fly ash transportation, in terms of the MOEF&CC notifications dated 25.1.2016 and 31.12.2021, and once the principle, that the said expenditure is 'admissible' as additional O&M expenses has been decided, the Petitioner is entitled to recover the same from the beneficiaries."

Zero Liquid Discharge (ZLD) System:

- 39) It is submitted that the BSPCB mandates to comply to Zero Liquid Discharge and provides the requisite consent to Petitioner for operation of the Barh-II in view of fulfilment of certain requirements as per the Water (Prevention and Control of Pollution) Act, 1974. BSPCB in the CO letter dated 20.09.2018 for U#5 and 12.03.2019 for U#4, had directed the Petitioner to ensure zero leakage discharge from the generating station, attached herewith at Annexure-E.
- 40) In a similar cases, Hon'ble Commission in its order dated 08.01.2022 in Petition No. 408/GT/2020 has considered the additional capital expenditure incurred in order to ensure compliance with directions of SPCB and has stated as under:
 - "32. It is observed from the above that the Petitioner, in order to ensure compliance with the directions of JSPCB (Jharkhand State Pollution Control Board) and in order to reduce the make-up water consumption, had taken up the installation of RO system and had obtained Board's approval for the expenditure in 2013, but capitalized the expenditure in 2015-16. In view of the clarification and considering the fact that the additional capital expenditure incurred is within the approved limit ofRs.8400 lakh allowed vide order dated 26.12.2017 in Petition No. 152/GT/2015, the claim of the Petitioner for Rs.8147.73 lakh [Rs.7798.20 +349.53 lakh (IDC)] in 2015-16 and Rs.57.38 lakh in 2017-18 is allowed under Regulation 14(3)(ii) of the 2014Tariff Regulations. Also, the negative adjustment of (-) Rs 28.04 lakh for RO systemin 2016-17, which is in respect of the expenditure claimed for this asset in 2015-16,is also considered and allowed for the purpose of tariff."

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Further, Hon'ble Commission in its order dated 27.09.2022 in Petition No. 396/GT/2020 has considered the additional capital expenditure incurred and stated as under:

"26. It is observed that the CECB in its letter has mandated the generating station to ensure that the effluents are utilized within the premises of the plant, and also to ensure that no effluents are discharged out from the Plant premises. In view of this, the projected Order in Petition No. 396/GT/2020 Page 14 of 49 additional capital expenditure of Rs. 40.00 lakh claimed towards Zero Liquid Discharge system is allowed under Regulation 26(1)(b) of the 2019 Tariff Regulations"

Accordingly, Hon'ble Commission may be pleased to allow the Petitioner's additional capital expenditure of ZLD system installation on projection basis for the instant station to comply with directions of SPCB and achieve the mandate of statutory rules that comes under clause 26(1)(b) "Change in law or compliance of any existing law" of the said regulations and to exercise the Power to Relax under the Regulation 76 of Tariff Regulations 2019.

Installation of Energy Efficient LED Lighting Fixtures:

- 41) It is submitted that in instant station works towards energy efficient LED electrification has been claimed in terms of the letter dated 02.08.2017 issued by the Ministry of Power ('MoP'), Government of India ('Gol'). Petitioner has claimed this expenditure as an additional capitalization as a 'change in law' under Regulation 26(1) (b) along with Reg 76 of the Tariff Regulations, 2019. A copy of the letter dated 02.08.2017 issued by the MoP, Gol is attached hereto and marked as Annexure F
- 42) The letter dated 02.08.2017 issued by the MoP has the force of law and is not a mere option to be either followed or not followed by NTPC. The letter clearly states that the issue was deliberated in the infrastructure review meeting held by the Hon'ble Prime Minister on 17.09.2016 wherein a mandate to use LED lights in all lighting projects funded by the Government was decided. In the subsequent review meeting held on 21.07.2017 by Hon'ble Prime Minister, it was decided that full replacement should be

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achieved in the Government buildings by 15.08.2017. In light of the above decisions, the MoP directed the Petitioner to take action to ensure that all old bulbs are replaced with LED lights by 15.08.2017 in all the buildings (including compound/street lighting) occupied by the Petitioner. The Ministry of Power also stated that the action should be taken and reported to the MoP on priority basis.

43) Such a letter of the MoP has the force of law since it can be traced back to the power exercised by the Central Government to enforce efficient use of energy and its conservation under Section 14 of the Energy Conservation Act, 2001 which reads as sunder-

"Section 14. Power of Central Government to enforce efficient use of energy and its conservation. —

The Central Government may, by notification, in consultation with the Bureau,-

- (a) specify the norms for processes and energy consumption standards for any equipment, appliance which consumes, generates, transmits or supplies energy;
- (b) specify equipment or appliance or class of equipments or appliances, as the case may be, for the purposes of this Act;
- (c) prohibit manufacture or sale or purchase or import of equipment or appliance specified under clause (b), unless such equipment or appliance conforms to energy consumption standards:

[Provided that no notification prohibiting manufacture or sale or purchase or import of equipment or appliance shall be issued within a period of six months from the date of notification issued under clause (a) of this section:

Provided further that the Central Government may, having regard to the market share and the technological development having impact on equipment or appliance, and for reasons to be recorded in writing, extend the said period of six months referred to in the first proviso by a further period not exceeding six months;]

- (d) direct display of such particulars on label on equipment or on appliance specified under clause (b) and in such manner as may be specified by regulations;
- (e) specify, having regard to the intensity or quantity of energy consumed and the amount of investment required for switching over to energy efficient

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equipments and capacity of industry to invest in it and availability of the energy efficient machinery and equipment required by the industry,

[any user or class of users of energy in the energy intensive industries and other establishments as specified in the Schedule as a designated consumer] for the purposes of this Act;

- (f) alter the list of Energy Intensive Industries specified in the Schedule;
- (g) establish and prescribe such energy consumption norms and standards for designated consumers as it may consider necessary:

Provided that the Central Government may prescribe different norms and standards for different designated consumers having regard to such factors as may be prescribed;

- (h) direct, having regard to quantity of energy consumed or the norms and standards of energy consumption specified under clause (a), the Energy Intensive Industries specified in the Schedule to get energy audit conducted by an accredited energy auditor in such manner and intervals of time as may be specified by regulations;
- direct, if considered necessary for efficient use of energy and its conservation, any designated consumer to get energy audit conducted by an accredited energy auditor;
- (j) specify the matters to be included for the purposes of inspection under subsection (2) of section 17;
- (k) direct any designated consumer to furnish to the designated agency, in such form and manner and within such period, as may be prescribed, the information with regard to the energy consumed and action taken on the recommendation of the accredited energy auditor;
- (I) direct any designated consumer to designate or appoint energy manager in charge of activities for efficient use of energy and its conservation and submit a report, in the form and manner as may be prescribed, on the status of energy consumption at the end of every financial year to the designated agency;
- (m) prescribe minimum qualification for 1 [energy auditors and energy managers] to be designated or appointed under clause (I);
- (n) direct every designated consumer to comply with energy consumption norms and standards;
- (o) direct any designated consumer, who does not fulfil the energy consumption norms and standards prescribed under clause

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(g), to prepare a scheme for efficient use of energy and its conservation and implement such scheme keeping in view the economic viability of the investment in

[such form, the time within which and the manner] as may be prescribed;

- (p) prescribe energy conservation building codes for efficient use of energy and its conservation in the building or building complex;
- (q) amend the energy conservation building codes to suit the regional and local climatic conditions;
- (r) direct every owner or occupier of the building or building complex, being a
 designated consumer to comply with the provisions of energy conservation
 building codes for efficient use of energy and its conservation;
- (s) direct, any designated consumer referred to in clause (r), if considered necessary, for efficient use of energy and its conservation in his building to get energy audit conducted in respect of such building by an accredited energy auditor in such manner and intervals of time as may be specified by regulations;
- (t) take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;
- (u) arrange and organise training of personnel and specialists in the techniques for efficient use of energy and its conservation;
- (v) take steps to encourage preferential treatment for use of energy efficient equipment or appliances;

Provided that the powers under clauses (p) to (s) shall be exercised in consultation with the concerned State."

44) The other relevant provisions of the Energy Conservation Act, 2001 are also being quoted hereunder-

Section 3 – Establishment and incorporation of Bureau of Energy Efficiency—

- (1) With effect from such date as the Central Government may, by notification, appoint, there shall be established, for the purposes of this Act, a Bureau to be called the Bureau of Energy Efficiency.
- (2) The Bureau shall be a body corporate by the name aforesaid having perpetual succession and a common seal, with power subject to the provisions of this Act, to acquire, hold and dispose of property, both movable and immovable, and to contract, and shall, by the said name, sue or be sued.
- (3) The head office of the Bureau shall be at Delhi.

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(4) The Bureau may establish offices at other places in India.
The Bureau, been defined under Section 3 of the Act as the Bureau, of Energy Efficiency being headed by the Minister in Charge of Ministry of Power.

A copy of the Energy Conservation Act, 2001 is attached hereto and marked as Annexure G.

45) Further as per the Electricity Act, 2003, also the Central Government is the Appropriate Government for the Generating Company either wholly or partially owned by it. Section 5 of the Electricity Act, 2003, states that Central Government would be the Appropriate Government in relation to a generating company wholly or partly owned by it. The relevant Sections of the Electricity Act, 2003-

Section 5- "Appropriate Government" means, -

- (a) the Central Government, -
- (i) in respect of a generating company wholly or partly owned by it;
- (ii) in relation to any inter-State generation, transmission, trading or supply of electricity and with respect to any mines, oil-fields, railways, national highways, airports, telegraphs, broadcasting stations and any works of defence, dockyard, nuclear power installations;
- (iii) in respect of National Load Despatch Centre; and Regional Load Despatch Centre;
 - (iv) in relation to any works or electric installation belonging to it or under its control;

In view of the above provisions, the Appropriate Government in the case of NTPC means the Central Government because NTPC is whoily owned by the Government of India.

46) It is a well settled principle of law that the delegated legislation or any executive order made by any statutory authority under a statute would also be considered as law. In this

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regard, in Kusum Ingots & Alloys v. Union of India [(2004) 6 SCC 254] the Hon'ble Supreme Court has held that the executive instructions even devoid of statutory backing would also be considered as law. The relevant portion of the Judgement is quoted below -

"In fact, a legislation, it is trite, is not confined to a statute enacted by the Parliament or Legislature of a State, which would include delegated legislation and subordinate legislation or an executive order made by the Union of India, State or any other statutory authority. In a case where the field is not covered by any statutory rule, executive instruction issued in this behalf shall also come with within the purview thereof."

47) The Hon'ble Supreme Court in the case of Jayantilal Amrit Lal Shodhan vs F.N. Rana And Others 1964 AIR 648, 1964 SCR (5) 294 has held that when a general order issued by an executive authority as per a Statutory backing then such an Order should be regarded as having "force of law". The relevant Para of the Judgement is quoted below-

"This is not to say that every order issued by an executive authority has the force of law. If the order is purely administrative, or is not issued in exercise of any statutory authority it may not have the force of law. But where a general order is issued even by an executive authority which confers power exercisable under a statute, and which thereby in substance modifies or adds to the statute, such conferment of powers must be regarded as having the force of law."

- 48) The only technicality is that the letter dated 02.08.2017 may not refer to Section 14 of the Energy Conservation Act, 2001. But it is equally well settled that when the statute book provides for a particular jurisdiction to an authority even if the specific provision is not referred to, the exercise of such authority can be traced back to the said provision and will be held as valid.
- 49) The Hon'ble Supreme Court in "Energy Watchdog v. CERC &Ors." [(2017) 14 SCC 80], held that:

"policy documents such as the Tariff Policy dated 28.01.2016 issued under Section 3 of the Electricity Act and the letter dated 31.07.2013 issued by Ministry of Power are statutory documents having force of law and any change / amendment introduced by way of such document amounts to Change in Law."

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- 50) The Hon'ble Supreme Court in "GMR Warora Energy Limited v. CERC & Ors." [C.A 11095 of 2018], held that notifications/Circulars etc. from Governmental instrumentalities is a Change in Law. The relevant Para of the Judgement is quoted below:
 - "98. As discussed herein above, the term 'Law' would also include all applicable rules, regulations, orders, Notifications issued by an Indian Governmental Instrumentality.
 - 99. It would thus be clear that all such additional charges which are payable on account of orders, directions, Notifications, Regulations, etc., issued by the instrumentalities of the State, after the cut-off date, will have to be considered to be 'Change in Law' events. The Generators would be entitled to compensation on the restitutionary principle on such changes occurring after the cut-off date."
- It is reiterated that NTPC does not have an option not to follow the letter dated 02.08.2017 issued by the MoP and therefore, the same would be binding and has the force of law, in so far as NTPC is concerned. The very intention of Regulation 26(1) (b) of the Tariff Regulations, 2019, is to ensure that truing up of the generating station be done based on 'change in law' as an uncontrollable parameter. The test, therefore, to be applied is whether NTPC has an option to treat the letter dated 02.08.2017 as a mere recommendation or had to comply with the same. The MoP has clearly directed NTPC to take action and report the same on a priority basis and also treated all building occupied by NTPC as a Government building. This letter, therefore, is an executive instruction which would be considered as law.
- 52) There is another executive order of the Ministry of Finance dated 01.12.2017, which has been issued to all other ministries in order to ensure that the funding for replacing the existing lights with LED within the various ministries should be streamlined and done on immediate basis, on the same lines as the letter dated 02.08.2017 issued by the MoP to NTPC. A copy of the letter dated 01.12.2017 of Ministry of Finance is attached hereto and marked as Annexure H.



A perusal of this instruction also shows that the letters issued by the various ministries including the MoP letter dated 02.08.2017 are under the National LED Programme launched by the Hon'ble Prime Minister and would amount to an executive order to implement such programme and thus having statutory force. In view of above, the petitioner has carried out capex nature works by installing LED lighting fixtures by replacing the existing ones. Therefore, it is prayed that the additional capitalization on the implementation of the LED replacement needs to be permitted by this Hon'ble Commission.

Rooftop Solar System

- 54) It is submitted that works towards Rooftop Solar System has been claimed as an additional capitalization as a 'change in law' under Regulation 26(1) (b) along with Reg 76 of the Tariff Regulations, 2019. The petitioner has undertaken these works in accordance with the Policy framework of the Government of India which envisages achieving 175 GW of renewable energy by the end of the year 2022 and 500 GW by end of 2030 and as the measure of energy conservation. Further, the petitioner has supported the shift towards renewable energy by installing rooftop solar photovoltaic unit at its station.
- 55) Hon'ble Commission vide order dated 13.07.2020 in petition no. 270/GT/2019 of SUGEN Power Plant (1147.5 MW) in matter of M/s Torrent Power Ltd. vs MPPMCL & Others has approved the tariff for the period from 1.4.2014 to 31.3.2019 after truing-up exercise. Relevant portion of the order is attached as Annexure-I. At para no 23 of the order, Hon'ble Commission is pleased to allow 'installation of Solar Power Roof Top System' and has observed as below:

Quote

23.Considering the resolve of the Central Government to promote renewable energy and in terms of Regulation 8(6) of the 2014 Tariff Regulations which provide for sharing of gains in respect of variation of Auxiliary Energy



consumption (by way of lower ECR because of lower auxiliary consumption in comparison to normative auxiliary consumption), we allow the additional capital expenditure of Rs.35 lakh incurred by the Petitioner towards the installation of Solar Power Roof Top System.

Unquote

- 56) The Hon'ble Supreme Court in "GMR Warora Energy Limited v. CERC & Ors." [C.A 11095 of 2018], held that notifications/Circulars etc. from Governmental instrumentalities is a Change in Law. The relevant Para of the Judgement is quoted below:
 - "98. As discussed herein above, the term 'Law' would also include all applicable rules, regulations, orders, Notifications issued by an Indian Governmental Instrumentality.
 - 99. It would thus be clear that all such additional charges which are payable on account of orders, directions, Notifications, Regulations, etc., issued by the instrumentalities of the State, after the cut-off date, will have to be considered to be 'Change in Law' events. The Generators would be entitled to compensation on the restitutionary principle on such changes occurring after the cut-off date."
- 57) It is further submitted that the said installation of Rooftop Solar System would reduce energy consumption of the station and help in reducing APC of station, same would benefit the beneficiaries. Further, it would reduce greenhouse gases and thereby reduce emissions. Therefore, it is prayed that the additional capitalization on Installation of Roof Top Solar System needs to be permitted by this Hon'ble Commission.
- 58) The taxes, duties, SLDC /RLDC charges, service tax etc. levied by the various authorities on Petitioner in accordance with law shall be billed to beneficiaries additionally.
- 59) It is submitted that the Petitioner has already paid the requisite filing fee vide UTR No. CMS 1106438370 on 22.04.2019 for the year 2019-20, UTR No. SBHY614058039947, SBHY14115305943, SBHYR52015042901463074 for the year 2020-21, UTR No. CMS1922766773 on 27.04.2021 for the year 2021-22, SBI e-Pay Order no. CHJ42984106 on 29.04.2022 for the year 2022-23 and id d55966ab7cd5742e1cfa on

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26.04.2023 for the year 2023-24, the details of the same have been duly furnished to the Hon'ble Commission, and paid as per the provisions of the CERC (Payment of Fees) Regulations, 2012 as amended. Further Regulation 70 (1) of Tariff Regulations 2019 provides that the application fee and publication expenses may be allowed to be recovered directly from the beneficiaries at the discretion of the Hon'ble Commission. Accordingly, it is prayed that Hon'ble Commission may be pleased to allow recover filing fee and publication fee directly from the beneficiaries.

- 60) The petitioner has accordingly calculated the tariff for 2019-24 period based on the above and the same is enclosed as Appendix-I to this petition.
- 61) It is submitted the Petitioner has served the copy of the Petition on to the Respondents mentioned herein above and has posted the Petition on the company website i.e. www.ntpc.co.in
- 62) It is submitted that the petitioner is filing this tariff petition subject to the outcome of its various appeals/ petitions pending before different courts. Besides, the petitions filed by NTPC for determination of capital base as on 31.3.2019 through true-up exercise are pending before the Hon'ble Commission and would take some time. The Petitioner, therefore, reserves its right to amend the tariff petition as per the outcome in such appeals/ petitions, if required.

Prayers

In the light of the above submissions, the Petitioner, therefore, prays that the Hon'ble Commission may be pleased to:

- Approve tariff of Barh Super Thermal Power Station -II for the tariff period 01.04.2019 to 31.03.2024
- ii) Allow relaxation in Heat Rate.

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iii) Allow Capital expenditure towards Railway Infrastructure.

iv) Allow the recovery of filing fees as & when paid to the Hon'ble Commission and

publication expenses from the beneficiaries.

v) Allow billing and recovery of levies, taxes, duties, SLDC/RLDC charges, service

tax etc. levied by the various authorities on Petitioner in accordance with law

additionally from the beneficiaries.

vi) Pass any other order as it may deem fit in the circumstances mentioned above.

Petitioner

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Noida

Date: 28.12.2023

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION, NEW DELHI

PETITION N	VO	
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IN THE MATTER OF:

Petition Under Section 62 and 79 (1) (a) of the Electricity Act, 2003 read with Chapter-V of the Central Electricity Regulatory Commission (Conduct of Business) Regulations, 1999 and Chapter-3, Regulation-9 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 for approval of tariff of Barh Super Thermal Power Station Stage-II (1320 MW) for the period from 01.04.2019 to 31.03.2024.

AND

IN THE MATTER OF:

Petitioner :

NTPC Limited

NTPC Bhawan, Core-7

Scope Complex 7

Institutional Area, Lodhi Road

New Delhi-110003

Respondents:

1. North Bihar Power Distribution Company Ltd (NBPDCL)

Vidyut Bhawan, Bailey Road

Patna-800021

..... and Others

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AFFIDAVIT

I, Vijendra Singh, S/o Ganpat Singh, aged about 43 years, working as Deputy General Manager (Commercial) at M/s NTPC Limited, having office at 7th floor, EOC. Sector-24, Noida-201301 do hereby solemnly affirm and state as under:

- That I am the Authorized Signatory of the Petitioner Company and am competent to swear the present affidavit.
- That I have read the contents of the accompanying amended petition/additional submission and have understood the contents of the same.
- That the contents of the accompanying amended petition/ additional submission being filed by NTPC are based on information available with the Petitioner in the normal course of business and believed by the deponent to be true.

DEPONENT

विजेन्द्र सिंह / VIJENDRA SINGH उप महाप्रबन्धक (वाणिटियक) Dy. General Manager (Commercial) (न दी ही अपनिट Lunded EOC And Manager (Or and 1971 LP)

VERIFICATION

I, the deponent above-named, do hereby verify the contents of the above affidavit to be true to the best of my knowledge, no part of it is false and nothing material has been concealed therefrom.

Verified at Noida on this 28th day of December 2023.



ATTESTED

DEPONENT

विजेन्द्र सिंह / VIJENDRA SINGH YOGHNDRA SINGH उप महाप्रबन्धक (पाणिज्यिक) NOTARY NOIDA (म दी वी सी लिमिटेड / NTPC Limited B MAGAR (U.P.) INITA ASA Sector 24 NOIDA-201301 (U.P.)

2 8 DEC 2023

TARIFF FILING FORMS (THERMAL)

FOR DETERMINATION OF TARIFF FOR

Barh Super Thermal Power Station Stage-II

(From 01.04.2019 to 31.03.2024)

PART-I

ANNEXURE-I

	Land of Cities Course (Thermal)	Tick
rm No.	Title of Tariff Filing Forms (Thermal)	1
RM-1	Summary of Tariff Statement showing claimed capital cost	1
RM -1 (I)	Statement showing Channel Capital Costs Statement showing Return on Equity	1
RM -1 (II)		1
RM-2	Plant Characteristics Normative parameters considered for tariff computations	/
PRM-3	Statement showing O&M Expenses	1
)RM-3A**	Statement showing Occar Expenses Statement of Special Allowance	NA NA
)RM-3B**	Details of Foreign loans	NA NA
ORM- 4A	Details of Foreign Equity	NA /
ORM-4A	Abstract of Admitted Capital Cost for the existing Projects	
ORM-5A**	Abstract of Claimed Capital Cost for the existing Projects	<u> </u>
ORM-6	Financial Package upto COD	NA V
ORM- 7	Details of Project Specific Loans	
	Details of Allocation of corporate loans to various projects	
ORM-8	Summary of Statement of Additional Capitalisation claimed during the period	/
ORM-9A**	Statement of Additional Capitalisation after COD	/
ORM-9 ##	Statement of Additional Capitalisation Financing of Additional Capitalisation	1
ORM-10	Financing of Additional Capitalisation	1
ORM-11	Calculation of Depreciation on original project cost	· /
ORM- 12	Statement of Depreciation Calculation of Weighted Average Rate of Interest on Actual Loans	1
ORM- 13	Draw Down Schedule for Calculation of IDC & Financing Charges	1
ORM- 14	Draw Down Schedule for Calculation of the Certaining	1
ORM- 15##	Details of Fuel for Computation of Energy Charges	/
ORM- 15A##	Details of Seconday Fuel for Computation of Energy Charges	1
FORM- 15B	Computation of Energy Charges	NA
FORM- 16	Details of Limestone for Computation of Energy Charge Rate	1
FORM-17##	Details of Capital Spares	1
FORM- 18	Non-Tariff Income	-
FORM-19	Details of Water Charges Details of Statutory Charges	-
FORM-20 ## Provided ye	nrwise for the period 2019-24	PART-
	List of Supporting Forms / documents for tariff filing for Thermal Stati	ous.
		Tick
Form No.	Title of Tariff Filing Forms (Thermal)	Tick NA
Form No. FORM-A	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Product of Capital Cost for Cont/Limite based projects	Tick NA NA
FORM-A FORM-B	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects	Tick NA NA NA
Form No. FORM-A FORM-B FORM-C	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects	NA NA NA NA
FORM-A FORM-B FORM-C FORM-D	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coal/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project	Tick NA NA NA
Form No. FORM-A FORM-B FORM-C	Title of Tariff Filing Forms (Thermat) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coal/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run	Tick NA NA NA NA
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-F	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run	Tick NA NA NA NA NA
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life	Tick NA
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life	Tick NA NA NA NA NA NA NA NA NA V V
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-J	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period	Tick NA
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions	Tick NA NA NA NA NA NA NA NA NA V V
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-J FORM-K FORM-L	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost	Tick NA NA NA NA NA NA NA NA V V V
FORM-No. FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-I FORM-J FORM-K FORM-L	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost Statement of Capital Woks in Progress	Tick NA NA NA NA NA NA NA V V V
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-I FORM-L FORM-K FORM-K	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables , parameters , optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost Statement of Capital Woks in Progress Calculation of Interest on Normative Loan	Tick NA NA NA NA NA NA NA NA V V V
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-I FORM-L FORM-K FORM-L FORM-N	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost Statement of Capital Woks in Progress Calculation of Interest on Normative Loan	Tick NA NA NA NA NA NA NA V V V V V
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-I FORM-L FORM-K FORM-L FORM-N FORM-N	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables , parameters , optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts: Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost Statement of Capital Woks in Progress Calculation of Interest on Normative Loan Calculation of Interest on Working Capital	Tick NA NA NA NA NA NA NA V V V V NA NA NA
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-I FORM-K FORM-K FORM-N FORM-N FORM-N	Title of Tariff Filing Forms (Thermat) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coal/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables , parameters , optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost Statement of Capital Woks in Progress Calculation of Interest on Normative Loan Calculation of Interest on Working Capital Incidental Expenditure up to SCOD and up to Actual COD Expenditure under different packages up to SCOD and up to Actual COD	Tick NA
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-I FORM-J FORM-K FORM-N FORM-N FORM-N FORM-N	Title of Tariff Filing Forms (Thermat) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coal/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost Statement of Capital Woks in Progress Calculation of Interest on Normative Loan Calculation of Interest on Working Capital Incidental Expenditure up to SCOD and up to Actual COD Expenditure under different packages up to SCOD and up to Actual COD Actual cash expenditure	Tick NA
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-I FORM-J FORM-K FORM-N FORM-N FORM-N FORM-N FORM-O FORM-P FORM-R FORM-R	Title of Tariff Filing Forms (Thermat) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coal/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables , parameters , optional package etc. for New Project Details of cost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital Woks in Progress Calculation of Interest on Normative Loan Calculation of Interest on Working Capital Incidental Expenditure up to SCOD and up to Actual COD Expenditure under different packages up to SCOD and up to Actual COD Actual cash expenditure Statement of Liability flow	Tick NA
FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-H FORM-I FORM-J FORM-K FORM-N FORM-N FORM-N FORM-O FORM-P FORM-R FORM-R FORM-S FORM-R	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of sost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost Statement of Capital Woks in Progress Calculation of Interest on Normative Loan Calculation of Interest on Working Capital Incidental Expenditure up to SCOD and up to Actual COD Expenditure under different packages up to SCOD and up to Actual COD Actual cash expenditure Statement of Liability flow Summary of issues involved in the petition	Tick NA
FORM-No. FORM-A FORM-B FORM-C FORM-D FORM-E FORM-F FORM-G FORM-I FORM-J FORM-K FORM-L FORM-M FORM-N FORM-O FORM-P FORM-Q FORM-R FORM-S FORM-C	Title of Tariff Filing Forms (Thermal) Abstract of Capital Cost Estimates Break-up of Capital Cost for Coul/Lignite based projects Break-up of Capital Cost for Gas/Liquid fuel based Projects Break-up of Construction/Supply/Service packages Details of variables, parameters, optional package etc. for New Project Details of sost over run Details of time over run Statement of Additional Capitalisation during end of the useful life Details of Assets De-capitalised during the period Reconciliation of Capitalisation claimed vis-à-vis books of accounts Statement showing details of items/assets/works claimed under Exclusions Statement of Capital cost Statement of Capital Woks in Progress Calculation of Interest on Normative Loan Calculation of Interest on Working Capital Incidental Expenditure up to SCOD and up to Actual COD Expenditure under different packages up to SCOD and up to Actual COD Actual cash expenditure Statement of Liability flow Summary of issues involved in the petition	Tick NA

		G Market	of Torif				77.1	ART-I ORM- 1
		The second secon	ry of Tarif	1				
13	Name of the Petitioner:	NTPC Limited		Station Stage-I	r e			
	Name of the Generating Station:	Barh Super T	hermai rower	Station Stage-l	•			
	Place (Region/District/State):	Eastern Region	on/ Barh /Bihar		_		Amount in	Rs. Lakhs
S. No.	Particulars	Unit	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
		3	4	5	6	7	8	9
1	2	Rs Lakh	49,298.02	49,975.94	50,594.97	51,829.87	52,924.38	53,652.46
1.1	Depreciation	Rs Lakh	39.394.30	32,354.70	27,561.07	24,190.55	21,378.18	18,587.70
1.2	Interest on Loan	Rs Lakh	56,629.35	54,680.79	55,350.30	56,701.27	57,898.66	58,695.16
1.3	Return on Equity	Rs Lakh	15,003.49	9,988.81	10,697.80	10,153.02	10,166.96	11,666.86
1.4	Interest on Working Capital	Rs Lakh	30,198.23	34650.09	33915.06	33656.20	34136.30	35182.83
1.5	O&M Expenses	Rs Lakh	0.00	0.00	0.00	0.00	0.00	0.00
1.6	Special Allowance (If applicable)	RS JAKII		2.44	0.00	0.00	0.00	0.00
1.7	Compensation Allowance (If applicable – relevant for column 4 only)	Rs. Lakh	0.00	0.00 181650.33	178119.20	JANUTA STATE	176504.48	177785.01
	Total	Rs Lakh	190523.39	181030.33	Terror Sen		3543.61	3643.61
2.1	Landed Fuel Cost (coal/gas/RLNG/ liquid) as per FSA approved by beneficiaries	Rs/Ton		3298.29	3691.53	3643.61 100.00	3643.61 100.00	100.00
10	as per FSA approved by beneficial	(%)		100.00	100.00	100.00	200.00	2 000,000
2.2	(%) of Fuel Quantity Landed Fuel Cost Imported Coal as per FSA				Nil			
2014	approved by beneficiaries				0.00			
2.3	(%) of Fuel Quantity Landed Fuel Cost (coal/gas /RLNG/liquid) other than FSA	Rs/Ton	NA					
-	(%) of Fuel Quantity	(%)						
2.4	Cool other than FSA	Pr/M			NA			
	(%) of Fuel Quantity			0.026	0.027	0.02	4 0.02	4 0.02
2.5	The state of the s	Rs/Unit		0.026	W.Ga.			0.70
2,3	Energy Charge Rate ex-bus (Paise/kWh) 2A, 2B, 2C, 2D	Rs/Unit		2.113	2.645	2.72	4 2.72	4 2.72

					1000	ART-I ORM- I(I)
	Name of the Petitioner:	NTPC Limited				
_	Name of the Generating Station:	Barh Super The	rmal Power Stat	ion Stage-II		
					Amour	it in Rs. Lakhs
	Statement sh	owing claimed c	apital cost – (A	(+B)		7770755500
	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
No.	2	3	4	5	6	7
1	Opening Capital Cost	9,61,303.26	9,79,590.09	9,85,067.78	10,27,542.78	10,27,568.78
1	Add: Addition during the year/period	6,030.39	2,507.88	42,475.00	26.00	28,246.00
2	Less: De-capitalisation during the year/period	-1,769.71	-549.87	-	-	
3	Less: De-capitalisation during the year / period		-	-		
4	Less: Reversal during the year / period	14,026.15	3,519.68		-	
5	Add: Discharges during the year/ period	9,79,590.09	9,85,067.78	10,27,542.78	10,27,568.78	10,55,814.78
6	Closing Capital Cost	9,70,446.67	9,82,328,93	10,06,305.28	10,27,555.78	10,41,691.78
7	Average Capital Cost	7,70,440.07	7,02,030			
	Statement showing claime	A souttal and all	gible for RoF	at normal rate	(A)	
			2020-21	2021-22	2022-23	2023-24
No.	Particulars	2019-20	4	5	6	7
1	2	961303.26	979590.09	985067.78	1027542.78	1027568.7
1	Opening Capital Cost	6030.39	2507.88	42475.00	26.00	28246.0
2	Add: Addition during the year / period		-549.87	0.00	0.00	0.0
3	Less: De-capitalisation during the year / period	-1769.71	0.00	0.00	0.00	0.0
	Less: Reversal during the year / period	0.00	3519.68	0.00	0.00	0.0
4			3319.001	0.000	0.500000	10000111
5	Add: Discharges during the year / period	14026.15		1027542.78	1027568.781	1055814.7
	Add: Discharges during the year / period Closing Capital Cost	979590,09	985067.78	1027542.78	1027568.78 1027555.78	
5				1027542.78 1006305.28	1027568.78 1027555.78	
5	Closing Capital Cost Average Capital Cost	979590,09 970446,67	985067.78 982328.93	1006305.28	1027555.78	
5	Closing Capital Cost Average Capital Cost Statement showing claimed capital	979590,09 970446.67 I cost eligible fo	985067.78 982328.93 r RoE at weig	1006305.28	1027555.78	
5	Closing Capital Cost Average Capital Cost Statement showing claimed capita	979590,09 970446.67 I cost eligible for actual loan po	985067.78 982328.93 r RoE at weightfolio (B)	1006305.28	1027555.78	1055814.7 1041691.7 2023-24
5 6 7	Closing Capital Cost Average Capital Cost Statement showing claimed capital Particulars	979590,09 970446.67 I cost eligible for actual loan po 2019-20	985067.78 982328.93 r RoE at weig	1006305.28	1027555.78 ate of interest	1041691.7 2023-24 7
5 6 7 S. No.	Closing Capital Cost Average Capital Cost Statement showing claimed capita Particulars 2	979590,09 970446.67 I cost eligible for actual loan po 2019-20 3	985067.78 982328.93 r RoE at weightfolio (B) 2020-21	1006305.28 hted average r	1027555.78 ate of interest 2022-23	2023-24 7
5 6 7 8. No.	Closing Capital Cost Average Capital Cost Statement showing claimed capita Opening Capital Cost Opening Capital Cost	979590,09 970446.67 I cost eligible for actual loan po 2019-20	985067.78 982328.93 r RoE at weightfolio (B) 2020-21	1006305.28 nted average ra 2021-22	1027555.78 ate of interest 2022-23 6	2023-24 7 0.0
5 6 7 8. No. 1 1	Closing Capital Cost Average Capital Cost Statement showing claimed capital Cost Particulars 2 Opening Capital Cost Add: Addition during the year / period	979590,09 970446,67 I cost eligible for actual loan por 2019-20 3	985067.78 982328.93 r RoE at weight rtfolio (B) 2020-21 4 0.00	1006305.28 nted average ra 2021-22 5 0.00	1027555.78 ate of interest 2022-23 6 0.00	2023-24 7 0.0
5 6 7 8. No. 1 1 2 3	Closing Capital Cost Average Capital Cost Statement showing claimed capital Particulars 2 Opening Capital Cost Add: Addition during the year / period Less: De-capitalisation during the year / period	979590,09 970446,67 I cost eligible for actual loan po 2019-20 3 0.00 0.00 0.00	985067.78 982328.93 r RoE at weight rtfolio (B) 2020-21 4 0.00 0.00	1006305.28 nted average ra 2021-22 5 0.00 0.00	1027555.78 ate of interest 2022-23 6 0.00 0.00	2023-24 7 0.0
5 6 7 8. No. 1 1 2 3 4	Closing Capital Cost Average Capital Cost Statement showing claimed capita Particulars 2 Opening Capital Cost Add: Addition during the year / period Less: De-capitalisation during the year / period Less: Reversal during the year / period	979590,09 970446.67 I cost eligible for actual loan po 2019-20 3 0.00 0.00 0.00	985067.78 982328.93 r RoE at weight rtfolio (B) 2020-21 4 0.00 0.00 0.00	1006305.28 nted average rated	1027555.78 ate of interest 2022-23 6 0.00 0.00 0.00 0.00 0.00 0.00	2023-24 7 0.0 0.0
5 6 7 8. No. 1 1 2 3	Closing Capital Cost Average Capital Cost Statement showing claimed capital Particulars 2 Opening Capital Cost Add: Addition during the year / period Less: De-capitalisation during the year / period	979590,09 970446,67 I cost eligible for actual loan po 2019-20 3 0.00 0.00 0.00	985067.78 982328.93 r RoE at weight rtfolio (B) 2020-21 4 0.00 0.00 0.00 0.00	1006305.28 nted average range	1027555.78 ate of interest 2022-23 6 0.00 0.00 0.00 0.00 0.00 0.00	2023-24 7 0.0

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		0				F	PART-I ORM- 1(IIA)
_		annual Datifican	NTPC Limited				
	Name of the Petitioner:		Barh Super Therma	d Power Station	Stage-II		
		Name of the Generating Station: Statement showing Re					1
		Statement showing Ac-	turn on asquisi			Amour	nt in Rs. Lakhs
			2019-20	2020-21	2021-22	2022-23	2023-24
S. I	No.	Particulars	3	4	5	6	7
	1	2					
		Return on Equity	2,88,390.96	2,93,877.01	2,95,520.32	3,08,262.82	3,08,270.62
	1	Gross Opening Equity (Normal)	2,80,370,70	2,75,077.01	-	-). - 1
Г	2	Less: Adjustment in Opening Equity	-				15.50
\vdash	3	Adjustment during the year	(5)	222	2,95,520.32	3.08,262.82	3,08,270.62
F	4	Net Opening Equity (Normal)	2,88,390.96	2,93,877.01	12742.50	7.80	8473.80
-	5	Add: Increase in equity due to addition during the year / period	1809.12	752.37	0.00	0.00	0.00
\vdash	7	Less: Decrease due to De-capitalisation during the year / period	-530.91	-164.96		0.00	0.00
\vdash	8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
H	9	Add: Increase due to discharges during the year / period	4207.84	1055.90	0.00		3,16,744.42
-	10	Net closing Equity (Normal)	2,93,877.01	2,95,520.32	3,08,262.82	3,08,270.62	SALE CONTRACTORS
\vdash	1077	Average Equity (Normal)	2,91,133.99	2,94,698.66	3,01,891.57	3,08,266.72	3,12,507.52
-	11		18.782	18.782	18.782	18.782	18.782
	12	Rate of ROE (%)*	54,680.79	55,350.30	56,701.27	57,898.66	58,695.16
1	13	Total ROE					

^{*}Rate of ROE w.r.t ramp rate provision shall be provided at the time of final truing up

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					FO	PART-I RM- 1(IIB)
	Name of the Petitioner:	NTPC Limited	Ķ.			
	Name of the Generating Station:	Barh Super Th	nermal Power	Station Stage	ь.П	
	Statement showing Return on Equity	at weighted av	erage rate o	of interest		
	3				Amount i	n Rs. Lakhs
S. No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
1	2	3	4	5	6	7
-	Return on Equity (beyond the original scope of work excluding	additional capita	alization due t	o Change in I	Law)	
1	Gross Opening Equity (Loan rate)	0.00	0.00	0.00	0.00	0.00
2	Less: Adjustment in Opening Equity	0.00	0.00	0.00	0.00	0.00
3	Adjustment during the year	0.00	0.00	0.00	0.00	0.00
4	Net Opening Equity (Loan rate)	0.00	0.00	0.00	0.00	0.00
5	Add: Increase in equity due to addition during the year / period	0.00	0.00	0.00	0.00	0.00
7	Less: Decrease due to De-capitalisation during the year / period	0.00	0.00	0.00	0.00	0.00
8	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00	0.00
9	Add: Increase due to discharges during the year / period	0.00	0.00	0.00	0.00	0.00
10	Net closing Equity (Loan rate)	0.00	0.00	0.00	0.00	0.00
11	Average Equity (Loan rate)	0.00	0.00	0.00	0.00	0.00
12	Rate of ROE (%)	7.761	7.207	6.832	6.616	6.469
13	Total ROE	0.00	0.00	0.00	0.00	0.00

WEST ARICO WAS AND SOURCE			
Name of the Petitioner: NTPC Ltd			
Name of the Generating Station : Barh STPS Stage - II (2X660	MW)		
Unit(s)/ Block(s) Parameters	Unit-I	Unit-II	
Installed Capacity (MW)	660	660	
Schedule COD as per Investment Approval	14.01.2013	14.11.2013	
Actual COD /Date of Taken Over (as applicable)	08.03.2016 (Revised to 08.03.2016 from actual 15.11.2014)	18.02.2016 (Actual)	
Pit Head or Non Pit Head	Non Pit F	Acceptable to the second secon	
Name of the Boiler Manufacture	BHEL		
Name of Turbine Generator Manufacture	BHEL		
Main Steam Pressure at Turbine inlet (kg/Cm2) abs	247.0		
Main Steam Temperature at Turbine inlet (oC)	565.0		
Reheat Steam Pressure at Turbine inlet (kg/Cm2)	50.40		
Reheat Steam Temperature at Turbine inlet (oC)	593.0		
Main Steam flow at Turbine inlet under MCR condition (tons /hr)	1918.6		
Main Steam flow at Turbine inlet under VWO condition (tons /hr)2	2044.012 TPH (VWO, MS)	P,0% MU, 77 mmHg	
Unit Gross electrical output under MCR /Rated condition (MW)2	660		
Unit Gross electrical output under VWO condition (MW) ²	693		
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh) ³	1838		
Boller Efficiency specified by Manufacturer (%)	83.7		
Conditions on which design turbine cycle heat rate guaranteed			
% MCR	100 % TI		
% Makeup Water Consumption	0 % MU at guarant		
Design Capacity of Make up Water System	3600 CUBIC		
Design Capacity of Inlet Cooling System	72000 CUBIC M/HR		
Design Cooling Water Temperature (OC)	33 deg C		
Back Pressure	77 mm		
Steam flow at super heater outlet under BMCR condition (tons/hr)	2120		
Steam Pressure at super heater outlet under BMCR condition) (kg/Cm2)	256		
Steam Temperature at super heater outlet under BMCR condition (OC)	568		
Steam Temperature at Reheater outlet at BMCR condition (OC)	596	Section 1	
Design / Guaranteed Boiler Efficiency (%) ⁴	83.7 at N	ACR	
Design Fuel with and without Blending of domestic/imported coal	Barh-II design does not specifically ensure provision for imported coal blending		
Type of Cooling Tower	IDCT		
Type of cooling system	Closed Circui		
Type of Boiler Feed Pump	2nos TDBFP; 1	no, MDBFP	
Fuel Details	6-11		
- Primary Fuel	Coal	- CORRECT - CORR	
-Secondary Fuel	HFO/L	00	
-Alternate Fuels			
Special Features/Site Specific Features			
Special Technological Features	Supercri	tical	
	1. FGD under implementation		
Environmental Regulation related features	es 2. High efficiency ESPs have been installe		
Any other special features			
* BHEL in technical collaboration with M/s Alstom			
** BHEL in technical collabaration with M/s Siemens	Life	ud geo	
	PETITIO	NER	

PART-I FORM- 3 Normative parameters considered for tariff computations NTPC Limited Name of the Petitioner: Barh Super Thermal Power Station Stage-II Name of the Generating Station: (Year Ending March) Existing 2021-22 2023-24 2019-20 2020-21 2022-23 Particulars Unit 2018-19 6 5 2 3 15.50 15.50 15.50 15.50 15.50 15.50 Base Rate of Return on Equity \$\$ % Base Rate of Return on Equity on Add. % 6.4049 5.9471 5.6378 5.4595 5.3385 Capitalization** \$\$ 17.4720 17,4720 21.5488 17,4720 17.4720 17,4720 % Effective Tax Rate 85.00 85.00 85.00 85.00 85.00 85.00 Target Availability % 85.00 -85.00 85.00 85.00 % In High Demand Season 85.00 85.00 85.00 85.00 Peak Hours 85.00 85.00 85.00 85.00 % Off-Peak Hours -85.00 85.00 85.00 85.00 In Low Demand Season(Off-Peak) % 85.00 85.00 85.00 85.00 96 Peak Hours 85.00 85.00 85.00 85.00 Off-Peak Hours % 6.25 6.25 6.25 6.25 Auxiliary Energy Consumption % 5.75 6.25 2305.73 2305.73 2305.73 2305.73 2305.73 2294.76 Gross Station Heat Rate kCal/kWh 0.50 ml/kWh 0.50 0.50 0.50 0.50 0.50 Specific Fuel Oil Consumption 50 50 50 60 50 50 Cost of Coal/Lignite for WC1 in Days Cost of Main Secondary Fuel Oil for WC1 in Months Fuel Cost for WC2 in Months in Months Liquid Fuel Stock for WC2 22.47 23.26 20.97 21.71 Rs lakh/MW 18.38 20.26 O&M Expenses 20.00 20.00 20,00 20.00 20.00 20.00 % of O&M Maintenance Spares for WC 45 45 45 45 45 in Days 60 Receivables for WC

12.80

Lakh MT

%

\$\$ Additional RoE due to better ramp rate would be claimed at the time of true-up

Storage capacity of Primary fuel

SBI 1 Year MCLR plus 350 basis point Blending ratio of domestic coal/imported coal

Silender

12.00

4.5

10.50

10.50

11,25

12.05

^{**} Rate of Return on Add - cap beyong original scope and excluding Change in Law

Part-I FORM-3A ADDITIONAL FORM

	¥				ADI	OITIONAL FORM			
	9	Calculation o	f O&M Exp	enses					
Name	of the Company:	NTPC Limited	12						
Name	of the Power Station :	Barh Super Th	nermal Power S	Station Stage-II	Ж				
	Amount in Rs. Lakhs								
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24			
1	2	3	4	- 5	7	8			
1	O&M expenses under Reg.35(1)								
1a	Normative	26743.20	27680,40	28657.20	29660.40	30703.20			
2	O&M expenses under Reg.35(6)								
2a	Water Charges *	1275.44	1090.38	1361.00	1360.90	1364.63			
2b	Security expenses*	3346.03	4005.89	3638.00	3115.00	3115.00			
2c	Capital Spares##	3285.41	1138.39	0.00	0.00	0.00			
	SubTotal	34650.09	33915.06	33656.20	34136.30	35182.83			
3	O&M expenses-Ash Disposal**	0.00	0.00	0.00	0.00	0.00			
	Total O&M Expenses	34650.09	33915.06	33656.20	34136.30	35182.83			

^{**} Shall be claimed on monthly basis as per order of Hon'ble CERC in petition no. 205/MP/2021 and for balance period i.e 2022-24

As per Form-17 and subject to truing up.

^{*} On estimated basis from FY 2021-22 onwards. Apportioned as per MW and further shall be claimed at the time of truing -up and subject to retrospective adjustment.

Abstra	ct of Admitted Capital Cost	for the existing Proje	<u>ets</u>
Name of the Company :	NTPC Limited		
Name of the Power Station :	Barh Super Thermal Power St	ation Stage-II	
Last date of order of Commission	on for the project	Date (DD-MM-YYYY)	Under consideration of Commission
Reference of petition no. in whi	ich the above order was passed	Petition no.	130/GT/2014
	itted and /or considered) as on the labove order by the Commission:	ast date of the period for	
Capital cost (cash basis)			
Amount of un-discharged liabili part of admitted capital cost)	ties included in above (& forming		
Amount of un-discharged liabili admitted capital cost (but not fo cost being allowed on cash basis	rming part of admitted capital		200
Gross Normative Debt		(Rs. in lakh)	NA NA
Cumulative Repayment			
Net Normative Debt			
Normative Equity			
Cumulative Depreciation			
Freehold land			

	FORM 7
Particulars	
Source of Loan	KfW Loan
Currency	EURO
Amount of loan sanctioned	7,25,00,000.00
Amount of Gross Loan drawn upto 17.02.2016 / COD	7,25,00,000.00
Interest Type	Fixed
Fixed Interest Rate, if applicable	3.50%
Base Rate, if floating interest	E
Margin, if floating interest rate	
Are there any Caps / Floor	NO
If above is Yes, specify Caps / Floor	*
Moratorium Period	2 Years
Moratorium effective from	22-Mar-2012
Repayment period	12 Years
Repayment effective from	30-Sep-2014
Repayment frequency	Semi Annual
Repayment installment	24 Instalments
Base Exchange Rate (17.02.2017)	77.44



Statement Giving Details of Project Financed through a Combination of loan TRANCHE NO

BP NO 5050000501	T00001		
MM200000000000000000000000000000000000	Unsecured Loan From B	ank of Karnataka Bank	
Source of Loan:	Karnataka Bank-II		
Currency:	INR		
Amount of Loan:	5,00,00,00,000		
Total Drawn amount :	5,00,00,00,000		
Date of Drawal	28.03.2017		
nterest Type :	Floating		
ixed Interest Rate			
Base Rate, If Floating Interest	7.70%		
Margin, If Floating Interest:	4		
Are there any Caps/ Floor:	Y/N		
requency of Intt. Payment	MONTHLY		
f Above is yes, specify Caps/			
Moratorium Period :	Nil		
Moratorium effective from :	28.03.2017		
Repayment Period (Inc Moratorium)	15 Years		
Repayment Frequency:	9f Yearly Instalment		
Repayment Type	AVG		
irst Repayment Date :	28.03.2021		
Base Exchange Rate	RUPEE		
Date of Base Exchange Rate :	N.A.		
	7		
Project Code	Project Name	Amount	0.00.0047
	BARH-I	93,75,00,000.00 2	
	BARH-II	1,31,25,00,000.00 2	
	BONGAIGAON	17,85,71,427.00 2	
	KORBA-III	36,78,57,143.00 2	8.03.2017
	LARA-I	9,37,50,000.00 2	
	PAKRI BARWADIH	53,75,00,000.00 2	
	RIHAND-III	45,98,21,428.00 2	
	SOLAPUR	48,87,50,000.00 2	
	VINDHYACHAL-IV	35,71,42,855.00 2	
	SIMHADRI-II	28,66,07,147.00 2	8.03.2017
T	otal Allocated Amount	5,00,00,00,000.00	

BP NO 5050000351	T00001	D00002
	Unsecured Loan From Canara Bank - III	
Contract of the same		
Source of Loan :	Canara Bank - III	
Currency:	INR	
Amount of Loan :	10,00,00,00,000	
Total Drawn amount :	2,50,00,00,000	
Date of Drawal:	22.07.2013	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D00002- 10:25%	
Margin, If Floating Interest:	NIL	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	5 Years	
Moratorium effective from :	22.07.2013	
Repayment Period (Inc. Moratorium) :	15 Years	
Repayment Frequency:	20 Half Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	28.09.2018	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate:	N.A.	

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Form 8

Project Code	Project Name	Amount
CONTROL OF STREET	BARH-II	1,53,00,00,000
	PAKRI BARWADIH	80,00,00,000
	CHATTI BARIATU CMP	17,00,00,000
	Total Allocated Amount	2,50,00,00,000

Develor

Statement Giving Details of Project Financed through a Combination of loan Form 8

TRANCHE NO

BP NO 5050000009 & 231	T00001	D00001
	Unsecured Loan From HDFC Bank Lt	dII
Source of Loan :	HDFC Bank LtdII	
Currency	INR	
Amount of Loan :	10.00,00,00,000	
Total Drawn amount:	1.00,00,00,000	
Date of drawl	0	
Interest Type :	Floating	8
Fixed Interest Rate :		
Base Rate, If Floating Interest	D00001=8.00%	
Margin, If Floating Interest:	D00001= 0.75%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/		
Floor:		
Moratorium Period :	3 Years	
Moratorium effective from :	26 10.2010	
Repayment Period (Inc.		
Moratorium) :	10 Years	
Repayment Frequency:	14 Half Yearly Instalment	
Repayment Type:	AVG	
First Repayment Date :	28.04.2014	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate:	N.A.	
Project Code	Project Name	Amount
Project Gode	BARH-II	75,00,00,000
	KORBA-III	25,00,00,000
Т	otal Allocated Amount	1,00,00,00,000

Statement Giving Details of Project Financed through a Combination of loan Form 8

TRANCHE NO T00001

02.12.2010

MAUDA-I

Total Allocated Amount

BP NO 5070000021

Moratorium effective from

Unsecured Loan From HUDCO LTD. HUDCO LTD-I Source of Loan: INR Currency: 20,00,00,00,000 Amount of Loan 1,00,00,00,000 Total Drawn amount 02.12.2012 Date of drawl Interest Type Floating Fixed Interest Rate: D00001 - 7.86% Base Rate, If Floating Interest D00001 - 0.64% Margin, if Floating Interest: Are there any Caps/ Floor YAN Frequency of Intt. Payment Monthly If Above is yes, specify Caps/ Floor Moratorium Period : 3 Years

Repayment Period (Inc. Moratorium): 14 Years Repayment Frequency 22 Half Yearly Instalments Repayment Type AVG 31.05.2014 First Repayment Date Base Exchange Rate : Date of Base Exchange Rate : RUPEE N.A. Amount Project Code Project Name 15,00,00,000 02.12.2010 50,00,00,000 02.12.2010 BONGAIGAON BARH-II

Mende

1,00,00,00,000

35,00,00,000 02.12.2010

D00001

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000721	T00001	D00001
	Unsecured Loan From Corpora	tion Bank-IV
	Corporation Bank-IV	
Source of Loan :	INR	
Currency:	20,00,00,00,000	
Amount of Loan :		
Total Drawn amount :	20,00,00,00,000	
Date of Drawal:	11.01.2019	
nterest Type :	Floating	
ixed Interest Rate	8.20%	
sase Rate, If Floating Interest	•	
fargin, If Floating Interest:	7 E.S.	
re there any Caps/ Floor:	Y/N	
requency of Intt. Payment	MONTHLY	
f Above is yes, specify Caps/ Floor:	ACCOUNTY SECOND	
Moratorium Period :	3 Years	
Moratorium effective from :	11.01.2019	
Repayment Period (Inc.		
Moratorium):	12 Years	
Repayment Frequency:	9 Yearly Instalments	+
Repayment Type :	AVG	
irst Repayment Date :	11-Jan-23	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate	N.A.	
Date of dase Exchange more	340	
Project Code	Project Name	Amount
Toject code	SINGRAULI BMW HYDRO	8,75,00,000 11.01.201
	FARIDABAD SOLAR PV	8,75,00,000 11.01.201
	SINGRAULI SOLAR	8,75,00,000 11,01,201
	FARAKKA III	11,42,85,716 11.01.201
	RAJGARH SOLAR	13.12.50.000 11.01.201
	NCTPP-II	14,28,57,139 11.01.201
	IGANDHAR R&M	16,60,71,436 11.01.201
	SIMHADRI-II	23,21,42,855 11 01.201
		23,43,75,000 11.01.201
	SIPAT-I	50,00,00,000 11.01.201
	MOUDA-II	1,00,00,00,000 11.01.201
	VINDHYACHAL-V	1.01.07.14.287 11.01.201
	SIPAT-II	1,05,44,64,284 11.01.201
	MOUDA-I	1,22,85,71,426 11.01,201
	RIHAND-III	2,45,00,00,000 11.01.201
	VINDHYACHAL-IV	
	KOLDAM	2,71,51,78,577 11.01.201
	BARH-II	6,75,75,89,280 11.01.201
	KUDGI	2,00,00,00,000 11.01.201
1	Total Allocated Amount	20,00,00,00,000

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

BP NO 5050000037	T00001	D00005
	Unsecured Loan From State Bank Of In	dia - IV
Source of Loan	State Bank Of India - IV	
Currency:	INR	
Amount of Loan :	15,00,00,00,000	
Total Drawn amount :	3.00,00,00,000	
Date of Drawsl	31.03.2008	
Interest Type :	Floating	
Fixed Interest Rate :	****	
Base Rate, If Floating Interest	D00005- 12.25%	
Margin, If Floating Interest:	D00005- (2.25%)	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	3 Years	
Moratorium effective from :	28.02.2007	

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Form 8

Repayment Period (Inc. Moratorium) :	10 Years
Repayment Frequency :	14 Haif Yearly Instalment
Repayment Type :	FIFO
First Repayment Date	28.08.2009
Base Exchange Rate :	RUPEE
Date of Base Exchange Rate:	N.A.

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Form 8

Project Code	Project Name	Amount
I IDjour ovas	VINDHYACHAL-III	30,00,00,000,00 31.03.2008
	NCTPP-II	1,00,00,00,000.00 31.03.2008
	KAHALGAON-II	50,00,00,000.00 31.03.2008
	SIPAT-II	70,00,00,000.00 31.03.2008
	BARH-II	50,00,00,000.00 31.03.2008
	Total Allocated Amount	3,00,00,00,000

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000092	T00001	D00002	
	Unsecured Loan From	SBI-V	
Source of Loan :	SBI - V		1
Currency:	INR		
Amount of Loan :	15,00.00,00,000		
Total Drawn amount :	2,50,00,00,000		ŀ
Date of Drawl	30.03.2009		
nterest Type:	Floating		
ixed Interest Rate :			
Base Rate, if Floating Interest	D00002- 12.25%		ļ.
Margin, if Floating Interest:	D00002- (2.25%)		
Are there any Caps/ Floor:	Y/N		Į.
Frequency of Intt. Payment	MONTHLY		
f Above is yes, specify Caps/			
Floor:			
Moratorium Period :	3 Years/31.03.2011 whichever is earlier		Į
Moratorium effective from :	23.03.2009		Į
Repayment Period (Inc.			
Moratorium) :	10 Years		
Repayment Frequency:	14 Haif Yearly Instalment		Į
Repayment Type :	AVG		
First Repayment Date :	30.09.2011		Į
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate:	N.A.		1
			1
			Į
			1
Project Code	Project Name	Amount	
- Acsouting to	KOLDAM	40,00,00,000.00	
	LOHARI NAG-PALA*	20,00,00,000 00	
	FARAKKA-III	85,00,00,000.00	
	NCTPP-II	30,00,00,000 00	
	SIMHADRI-II	35,00,00,000.00	
	BARH-II	40,00,00,000.00	30.03.20
	otal Allocated Amount	2,50,00,00,000,000	1
	Utdi Allocated Allocate	- my- my- my- my-	4

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000092	TRANCHE NO	D00007
	Unsecured Loan From SBI-V	
Source of Loan :	SBI+V	
Currency:	INR	
Amount of Loan :	15,00,00,00,000	
Total Drawn amount	1,50,00,00,000	
Date of Drawl	12.07.2010	
Interest Type :	Floating	
Fixed Interest Rate		
Base Rate, if Floating Interest	D00007-7.50%	
Margin, If Floating Interest	D00007- 2%	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor:	315 30	
Moratorium Period :	3 Years/31.03.2011 whichever is earlier	
Moratorium effective from :	23.03.2009	
Repayment Period (Inc Moratorium) :	10 Years	
Repayment Frequency	14 Haif Yearly Instalment	Julenda

		Form 8	
Repayment Type :	AVG		
First Repayment Date:	30.09.2011]
Base Exchange Rate	RUPEE		1
Date of Base Exchange Rate :	N.A.		1
			-
Project Code	Project Name	Amount	1
	KORBA-III	25,00,00,000.00	12.07.2010

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Form 8

50,00,00,000.00 25,00,00,000.00
50,00,00,000.00
25.00.00.000.00
25,00,00,000.00

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO T00001 Di

BP NO 5050000141	TRANCHE NO T00001	D00005	
3P NO 3030000141	Unsecured Loan From State Ban	k of India - VI	
	Understand East 1 1 and 2 and		
Source of Loan :	State Bank of India - VI		
Currency :	INR		
Amount of Loan :	15.75.00.00.000		
Total Drawn amount :	2,25,00,00,000		
Date of Drawl	11.12.2010		
nterest Type :	Floating		
ixed Interest Rate :			
Base Rate, If Floating Interest	D00005- 7.6%		
Margin, If Floating Interest:	D00005- 1.90%		
Are there any Caps/ Floor	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor:			
Moratorium Period :	3 Years		
Moratorium effective from :	14.05.2009		
Repayment Period (Inc Moratorium) :	10 Years		
Repayment Frequency:	14 Half Yearly		
Repayment Type	AVG		
First Repayment Date :	30.09.2012		
Base Exchange Rate	RUPEE		
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount os se en en en	44.40.00
	BONGAIGAON	25,00,00,000.00	
	BARH-II	35,00,00,000,000	
	MAUDA	25,00,00,000 00	
	PAKRI BARWADIH	40,00,00,000.00	
	KORBA-III	20,00,00,000.00	
	SIPAT-II	10,00,00,000.00	
	KOLDAM	10,00,00,000,000	
	SIMHADRI-II	20,00,00,000.00	11.12.21
	VINDHYACHAL IV	15,00.00,000.00	11.12.20
	RIHAND-III	25,00,00,000.00	11.12.2
	Total Allocated Amount	2,25,00,00,000.00	

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Statement Giving Details of Project Financed through a Combination of loan Form 8

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TRANCHE	ING

BP NO 5050000261	T00001	D00001
Br 140 3000000201	Unsecured Loan From SBI-VII	
	V 10 11 11 11 11 11 11 11 11 11 11 11 11	
Source of Loan :	SBI-VII	
Currency:	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	D00001 - 9.25%	
Margin, If Floating Interest:	D00001 - 0.75%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/	- No. 10 - 10	
Floor		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc.		
Moratorium)	12 Years	
Repayment Frequency:	16 Half Yearly Instalments	
Repayment Type:	AVG	
First Repayment Date:	30.09.2015	
Base Exchange Rate	RUPEE	
Date of Base Exchange Rate:	N.A.	
Date of base Exchange Note	No.	
Desired Bards	Project Name	Amount
Project Code	BARH-II	2,00,00,00,000,00
	RIHAND-III	95,00,00,000.00
	VINDHYACHAL IV	45,00,00,000.00
	A CONTRACT OF THE CONTRACT OF	35,00,00,000.00
	SIPAT-II SIMHADRI-II	35.00.00.000.00
	The state of the s	90,00,00,000,000
	MAUDA	* 41.441.441.444.44
-	otal Allocated Amount	5,00,00,00,000.00

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5,00,00,00,000.00

Statement Giving Details of Project Financed through a Combination of loan Form 8

TRANCHE NO D00003 BP NO 5050000261 T00001 Unsecured Loan From SBI-VII SBI-VII Source of Loan: INR Currency: Amount of Loan : Total Drawn amount : 1,00,00,00,00,000 5,00,00,00,000 Date of drawl Interest Type Floating Fixed Interest Rate: Base Rate, If Floating Interest D00003 - 10% Margin, If Floating Interest D00003 - 0 75% Y/N Are there any Caps/ Floor: Frequency of Intt. Payment Monthly If Above is yes, specify Caps/ Floor Moratorium Period : 4 Years Moratorium effective from 08.07.2011 Repayment Period (Inc. Moratorium): 12 Years Repayment Frequency: 16 Half Yearly Instalments Repayment Type AVG 30.09.2015 First Repayment Date RUPEE Base Exchange Rate . Date of Base Exchange Rate NA Project Name Amount Project Code 71,00,00,000.00 KOLDAM TAPOVAN 52,00,00,000.00 BONGAIGAON 46,00,00,000.00 18,00,00,000.00 BARH-I 54,00,00,000.00 BARH-II 5,00,00,000.00 RIHAND-III KUDGI-I 1,45,00,00,000.00 SOLAPUR 63,00,00,000.00 37,00,00,000.00 MOUDA-II 9,00,00,000.00 TANDA-R&M

Statement Giving Details of Project Financed through a Combination of loan Form 8

Total Allocated Amount

TRANCHE NO D00007 T00001 BP NO 5050000261 Unsecured Loan From SBI-VII SBI-VII Source of Loan Currency INR 1,00,00,00,00,000 Amount of Loan 5,00,00,00,000 Total Drawn amount : Date of Drawl Interest Type Floating Fixed Interest Rate Base Rate, If Floating Interest D00007-9.75% D00007= 0.495% Margin, If Floating Interest : Y/N Are there any Caps/ Floor Frequency of Intt. Payment Monthly If Above is yes, specify Caps/ Floor Moratorium Period : 4 Years 08.07.2011 Moratorium effective from Repayment Period (Inc. Moratorium) 12 Years Repayment Frequency: 16 Haif Yearly Instalments Repayment Type AVG 30.09.2015 First Repayment Date RUPEE Base Exchange Rate Date of Base Exchange Rate NA Dilendro Project Code Project Name Amount

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KOLDAM	35,00,00,000
SOLAPUR	25,00,00,000
 VINDHYACHAL-IV	20,00,00,000
TAPOVAN	20,00,00,000
 BARH-I	80,00,00,000
 MOUDA-I	15,00,00,000
RIHAND-III	45,00,00,000
KUDGi-I	20,00,00,000
DADRI SOLAR PV	5,00,00,000
TOPINI COLVII I. I	

Viender

F			

IA&N SOLAR PV	5,00,00,000
	5,00,00,000
The Control of the Co	40,00,00,000
The second secon	80,00,00,000
	25,00,00,000
	15.00,00,000
77.75.75.75.75.75.75.75.75.75.75.75.75.7	35,00,00,000
1.0.1	20,00,00,000
TSTPP-R&M	10,00,00,000
Tetal Allonated Amount	5,00,00,00,000.00
֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	A&N SOLAR PV SINGARULI 8 MW BONGAIGAON BARH-II SINGRAULI-R&M TANDA - R&M KAWAS-R&M GANDHAR -R&M TSTPP-R&M Total Allocated Amount

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

BP NO 5050000261	TOOOO1	D00009
BF NO 0000000201	Unsecured Loan From SBI-VII	
Source of Loan	SBI-VII	
Currency:	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, if Floating Interest	D00009-9.70%	
Margin, If Floating Interest	D00009= 0.25%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/	- 100 VISCA	
Floor:		
Moratorium Period ;	4 Years	
Moratorium effective from :	08 07 2011	
Repayment Period (Inc.		
Moratorium):	12 Years	
Repayment Frequency .	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date	30.09.2015	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate:	N.A.	
Desirat Cada	Project Name	Amount
Project Code	BARH-II	60,00,00,000
	SIPAT-I	15,00,00,000
	VINDHYACHAL-V	25.00.00.000
T	otal Allocated Amount	1,00,00,00,000.00

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000261	T00001	D00012
	Unsecured Loan From SBI-VII	
Source of Loan :	SBI-VII	
Currency	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount :	2,50,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	D00012-9-95%	
Margin, If Floating Interest:	D00012= 0.25%	
Are there any Caps/ Floor	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc Moratorium) :	12 Years	1
Repayment Frequency:	16 Half Yearly Instalments	Juda

Form 8

Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
Project code	BARH-II	67,00,00,000
	FARAKKA-III	35,00,00,000



SIMHADRI-II	20,00,00,000
RAMAGUNDAM SOLAR	10,00,00,000
FGUTPS R&M	14,00,00,000
VSTPS R&M	28,00,00,000
RAMAGUNDAM-R&M	15,00,00,000
KORBA-R&M	17,00,00,000
KAWAS-R&M	17,00,00,000
KAWAS-R&M	17,00,00,000
TSTPP-R&M	14,00,00,000
TSTPP-R&M	10,00,0000
Total Allocated Amount	2,50,00,000,000.000

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000261	TRANCHE NO T00001	D00016
BP NO 5050000261	Unsecured Loan From SBI	
Source of Loan :	SBI-VII	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount :	5.00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest	D00016-10.00%	
Margin, If Floating Interest:	D00016= 0.25%	
Are there any Caps/ Floor :	Y/N	11/21
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	4 Years	
Moratorium effective from :	08.07.2011	
Repayment Period (Inc.	1 0.000	
Moratorium) :	12 Years	
Repayment Frequency:	16 Half Yearly Instalments	
Repayment Type	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
110000	MOUDA-I	50,00,00,000
	VINDHYACHAL-IV	50,00,00,000
	RIHAND-III	65,00,00,000
	MOUDA-II	1,80,00,00,000
	BARH-II	25,00,00,000
	SINGRAULI-R&M	30,00,00,000
	RAMAGUNDAM-R&M	15,00,00,000
	KORBA-R&M	20,00,00,000
	VINDHYACHAL-V	35,00,00,000
	KAWAS-R&M	20,00,00,000
	BADARPUR-R&M	10,00,00,000
-	Total Allocated Amount	5,00,00,00,000.00



Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000261	T00001	D00019
Dr 110 10111111	Unsecured Loan From SBI	-VII
Source of Loan :	SBI-VII	
Currency:	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	1,00,00,00,000	
Date of Drawal:	21.02.2014	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	D00019=10.00%	
Margin, If Floating Interest:	D00019=0.25%	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/		54
Floor .		
Moratorium Period :	4 Years	
Moratonum effective from :	08.07.2011	
Repayment Period (Inc.	1 gratus:	
Moratorium) :	12 Years	
Repayment Frequency:	16 Half Yearly Instalments	
Repayment Type :	AVG	
First Repayment Date :	30.09.2015	
Base Exchange Rate ::	RUPEE	
Date of Base Exchange Rate:	N.A.	3
Project Code	Project Name	Amount
Tojaci odde	BONGAIGAON	18,00,00,000
	BARH-I	18,00,00,000
	SOLAPUR	44,00,00,000
	BARH-II	20,00,00,000
1	otal Allocated Amount	1,00,00,00,000.00

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Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000293	T00001	D00001
DF 140 3030000E33	Unsecured Loan From UCO Bank	K .
	UCO Bank-II	
Source of Loan :	INR	
Currency	1000-0	
Amount of Loan :	5,00,00,00,000	
Total Drawn amount ;	25,00,00,000	
Date of Drawl	29.03.2012	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D00001- 10.75%	
Margin, If Floating Interest:	D00001= Nii	
Are there any Caps/ Floor	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/		
Moratorium Period :	4 Years	
Moratorium effective from :	29.03.2012	
Repayment Period (Inc. Moratorium) :	12 Years	
Repayment Frequency:	16 Half Yearly	
Repayment Type :	Average	
First Repayment Date :	29.09.2016	
Base Exchange Rate	RUPEE	
Date of Base Exchange Rate	N.A.	
Project Code	Project Name	Amount es so so son so
r tolou ooue	BARH-II	25,00,00,000.00 29
	Total Allocated Amount	25,00,00,000.00

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Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

3P NO 5050000293	T00001	D00007	
II II O O O O O O O O O O O O O O O O O	Unsecured Loan From UCO Bank		
Source of Loan :	UCO Bank-II		
	INR		
Currency:	5,00,00,00,000		
Amount of Loan :	50,00,00,000		
Total Drawn amount	50,00,00.000		
Date of Drawl	Fluction		
Interest Type :	Floating		III
Fixed Interest Rate:	PARCET 40 000/		
Base Rate, If Floating Interest	D00007- 10.20%		
Margin, If Floating Interest:	NIL		
Are there any Caps/ Floor:	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/			
Floor:			
Moratorium Period :	4 Years		
Moratorium effective from :	29.03.2012		17.
Repayment Period (Inc.	270		
Moratorium):	12 Years		
Repayment Frequency:	16 Half Yearly		1
Repayment Type:	Average		12
First Repayment Date	29.09.2016		
Base Exchange Rate:	RUPEE		8
Date of Base Exchange Rate:	N.A.		
			1
		W.20 21 (20)	1
Project Code	Project Name	Amount 50,00,00,000	20 03 2013
119/93	BARH-II	50,00,00,000	20.03.2013
			-
	Total Allocated Amount	50,00,00,000	

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Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

BP NO 5050000293	T00001	D00008	į.
	Unsecured Loan From UCO Ba	ink	
	UCO Bank-II		
Source of Loan :	The state of the s		
Currency:	INR		
Amount of Loan	5,00,00,00,000		
Total Drawn amount :	50,00,00,000		ř.
Date of Drawal:	23.10.2013		i
Interest Type:	Floating		
Fixed Interest Rate :	# 100 P. C.		
Base Rate, If Floating Interest	D00008- 10.20%		
Margin, If Floating Interest:	NIL		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/			1
Floor	V - 100		
Moratorium Period :	4 Years		
Moratorium effective from	29.03.2012		
Repayment Period (Inc.	· · · · · · · · · · · · · · · · · · ·		
Moratorium):	12 Years		
Repayment Frequency:	16 Half Yearly		į.
Repayment Type :	Average		4
First Repayment Date :	29.09.2016		ł.
Base Exchange Rate	RUPEE		4
Date of Base Exchange Rate:	N.A.		ł
Project Code	Project Name	Amount	272
and and an and an	BARH-II	50,00,00,000	23.
T	otal Allocated Amount	50,00,00,000	

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Statement Giving Details of Project Financed through a Combination of loan

Form 8
TRANCHE NO

BP NO 5050000293	T00001	D00009	
DI 110 000000000	Unsecured Loan From UCO B	ank	4
Source of Loan :	UCO Bank-II		
	INR		7
Currency:	5,00,00,00,000		3
Amount of Loan :	1,00,00,00,000		7
Total Drawn amount :	03.12.2013		77
Date of Drawal:	Floating		7
Interest Type:	Floating		
Fixed Interest Rate	D00000 40 00W		
Base Rate, If Floating Interest	D00009-10.20%		
Margin, If Floating Interest:	NIL		
Are there any Caps/ Floor:	Y/N		-
Frequency of Intt. Payment	MONTHLY		+
If Above is yes, specify Caps/			
Floor:	4 Years		
Moratorium Period :			-
Moratorium effective from	29.03.2012		
Repayment Period (Inc.			
Moratorium) ;	12 Years		
Repayment Frequency:	16 Half Yearly		-
Repayment Type :	Average		
First Repayment Date ;	29.09.2016		-
Base Exchange Rate:	RUPEE		-
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount	i series
1111001 0000	BARH-II	1,00,00,00,00	
1	otal Allocated Amount	1,00,00,00,00	0

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Statement Giving Details of Project Financed through a Combination of loan Form 8

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BP NO 5050000321	T00001		D00003
	Unsecured Loan From Union Bani	c of India-II	
Source of Loan :	Union Bank of India - II		- 6
Currency:	INR		
Amount of Loan	20.00,00,00,000	N.	
Total Drawn amount :	1,00,00,00,000		
Date of Drawal :	25.03.2013		
Interest Type :	Floating		
Fixed Interest Rate			
Base Rate, If Floating Interest	D00003-10.25%		
Margin, If Floating Interest :	NIL		
Are there any Caps/ Floor:	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/			
Moratorium Period :	4 Years		
Moratorium effective from :	01.08.2012		
Repayment Period (Inc Moratorium) :	14 Years		
Repayment Frequency:	20 Half Yearly		
Repayment Type	AVG		
First Repayment Date :	01.02.2017		
Base Exchange Rate:	RUPEE		
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount	
r rojeor oood	BARH-II	1,0	0,00,00,000 25.03.2013
1	otal Allocated Amount	1,00,0	0,00,000.00

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

BP NO 5050000321	TRANCHE NO T00001	D0000	14
3P NO 5050000321	Unsecured Loan From Union Bo	ank of India-II	7
O	Union Bank of India - II		1
Source of Loan :	INR		
Currency:	20.00,00,00,000		7
Amount of Loan	50.00,00,000		
Total Drawn amount :	28.03.2013		1
Date of Drawal :	The state of the s		
Interest Type :	Floating		-1
Fixed Interest Rate :	BRANCE AN ACCU		
Base Rate, If Floating Interest	D00004-10.25%		-1
Margin, If Floating Interest:	NIL		
Are there any Caps/ Floor:	Y/N		-
Frequency of Intt. Payment	MONTHLY		=
If Above is yes, specify Caps/ Floor:			
Moratorium Period :	4 Years		
Moratorium effective from :	01.08.2012		-
Repayment Period (Inc Moratorium) :	14 Years		
Repayment Frequency	20 Half Yearly		
Repayment Type :	AVG		-
First Repayment Date :	01.02.2017		
Base Exchange Rate:	RUPEE		-
Date of Base Exchange Rate :	N.A.		
Project Code	Project Name	Amount	0.00.02.0040
	BARH-II		0 28.03.2013
3	otal Allocated Amount	50,00,00,000.0	00

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Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000321	T00001	D00009	22
	Unsecured Loan From Union Bank of	India-II	
Source of Loan :	Union Bank of India - II		
The state of the s	INR		1
Currency:	20,00,00,00,000		
Amount of Loan			1
Total Drawn amount:	50,00,00,000		
Date of Drawal:	26.03.2014		
Interest Type :	Floating		1
Fixed Interest Rate:	P		
Base Rate, If Floating Interest	D00009-10.25%		1
Margin, If Floating Interest:	NIL		1
Are there any Caps/ Floor	Y/N		-
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor:			
Moratorium Period :	4 Years		
Moratorium effective from:	01.08.2012		Į.
Repayment Period (Inc. Moratorium)	14 Years		
Repayment Frequency:	20 Half Yearly		
Repayment Type :	AVG		1
First Repayment Date :	01.02.2017		
Base Exchange Rate .	RUPEE		
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount	
	BARH-II	50,00,00,000	26.03.2014
1	otal Allocated Amount	50,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of Ioan Form 8
TRANCHE NO

BP NO 5050000321	T00001	D000012
	Unsecured Loan From Union Bank	of India-II
Source of Loan:	Union Bank of India - II	
Currency:	INR	
Amount of Loan	20.00,00,00,000	
Total Drawn amount :	1,00,00,00,000	
Date of Drawal	31.12.2014	
	Floating	
Interest Type : Fixed Interest Rate :	Floating	
	D000012-10 25%	
Base Rate, If Floating Interest	NIL	
Margin, If Floating Interest		
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	4 Years	
Moratorium effective from :	01.08.2012	
Repsyment Period (Inc Moratorium)	14 Years	2
Repayment Frequency :	20 Half Yearly	
Repayment Type	AVG	
First Repayment Date :	01.02.2017	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate:	N.A.	+.
Project Code	Project Name	Amount
	BARH-II	1,00,00,00,000
T	otal Allocated Amount	1,00,00,00,000.00



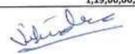
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Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000292	T00001	D00001	
	Unsecured Loan From United Ba	ank of India-IV	1
TO 1 24 10			4
Source of Loan :	United Bank of India - IV		4
Currency:	INR		1
Amount of Loan :	2,50,00,00,000		4
Total Drawn amount :	25,00,00,000		4
Date of drawl	29.03.2012		4
interest Type :	Floating		1
Fixed Interest Rate :			-
Base Rate, If Floating Interest	D00001-10.6%		4
Margin, If Floating Interest	NIL		1
Are there any Caps/ Floor:	Y/N		1
Frequency of Intt. Payment	MONTHLY		1
If Above is yes, specify Caps/			
Moratorium Period :	4 Years		1
Moratorium effective from :	29.03.2012		1
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency:	16 Half Yearly]
Repayment Type	AVG]
First Repayment Date :	29.09.2016]
Base Exchange Rate	RUPEE]
Date of Base Exchange Rate :	N.A.		1
Date of Deloc and Might Hele !]
			1
Project Code	Project Name	Amount	5205111000
	BARH-II	25,00,00,000	29.03.2012
7	otal Allocated Amount	25,00,00,000.00	i

Statement Giving Details of Project Financed through a Combination of loan Form 8
TRANCHE NO

BP NO 5050000211	T00001	D00004	
	Unsecured Loan From Vijaya Bani	k-IV	
	Wilson Book BV		
Source of Loan :	Vijaya Bank - IV		
Currency:	INR		
Amount of Loan :	3,79,00,00,000		
Total Drawn amount :	1,19,00,00,000		
Date of drawl	23.05.2011		
Interest Type	Floating		
Fixed Interest Rate :	(1/2 / Alice 1611)		
Base Rate, If Floating Interest	D00004-10.00%		
Margin, If Floating Interest :	D00004 - 0.00%		
Are there any Caps/ Floor:	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/			
Moratorium Period :	3 Years		
Moratorium effective from :	15.09.2010		
Repayment Period (Inc	10 Years		
Repayment Frequency:	14 Half Yearly Instalment		
Repayment Type:	AVG		
First Repayment Date :	15.03.2014		
Base Exchange Rate:	RUPEE		
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount	
	BARH-II	29,00,00,000.00 23	
	PAKRI BARWADIH	25,00,00,000,00	
	MAUDA	15,00,00,000.00 23	
	SIPAT-I	50,00,00,000.00 23	3.05,201
T	otal Allocated Amount	1,19,00,00,000.00	



Statement Giving Details of Project Financed through a Combination of loan Form 8

TRANCHE NO

BP NO 5050000291	T00001	D00001	
	Unsecured Loan From Vijaya	a Bank-V]
Source of Loan	Vijaya Bank - V		-
Currency:	INR		1
Amount of Loan:	3,50,00,00,000		1
Total Drawn amount :	25,00,00,000		1
Date of drawl	29.03.2012		1
Interest Type :	Floating		1
Fixed Interest Rate :	The second secon		1
Base Rate, if Floating Interest	D00001- 10.65%		1
Margin, if Floating Interest:	0.00%]
Are there any Caps/ Floor :	Y/N		1
Frequency of Intt. Payment	MONTHLY]
If Above is yes, specify Caps/ Floor:	Tons were a]
Moratorium Period :	3 Years		1
Moratorium effective from :	29.03.2012		1
Repayment Period (Inc Moratorium) :	10 Years		
Repayment Frequency	14 Half Yearly Instalment		1
Repayment Type :	AVG		
First Repayment Date :	29.09.2015		1
Base Exchange Rate :	RUPEE]
Date of Base Exchange Rate:	N.A.		
			1
Project Code	Project Name	Amount	
	BARH-II	25,00,00,000	29.03.2012
To	otal Allocated Amount	25,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of loan

Form 8

BP NO 5050000361	T00001	D00006	
	Unsecured Loan From Ba	nk Of India-II]
Source of Loan ;	Bank Of India-II		7
Currency :	INR		
Amount of Loan:	20000000000		
Total Drawn amount :	500000000		
Date of Drawal:	14.03.2014		
Interest Type	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest	D00006 - 10.20%		
Margin, If Floating Interest:	NIL		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor:			
Moratorium Period :	5 Years		
Moratorium effective from :			
Repayment Period (Inc Moratorium) :	15 Years		
Repayment Frequency:	10 Half-Yearly		
Repayment Type :	AVG		7
First Repayment Date :	28.06.2019		7
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate :			3
Project Code	Project Name	Amount	#
rioject code	BARH-II	1,10,00,00,00	0 14 03 30
	VINDHYACHAL-V	75,00,00,00	
	KUDGI-I	45,00.00,00	
	LATA TAPOVAN	45,00,00,00	
	I I I I I I I I I I I I I I I I I I I		21.4.20.20

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Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000311	T00001	D00010
MANAGEMENT OF STREET,	Unsecured Loan From Syndicate Ba	ank-III
Source of Loan	Syndicate Bank-III	
Currency	INR	
Amount of Loan:	10,00,00,00,000	
Total Drawn amount	2,00,00,00.000	
Date of Drawai:	01.05.2014	
Interest Type :	Floating	-
Fixed Interest Rate		
Base Rate, if Floating Interest	D00009- 10.25%	
Margin, If Floating Interest:	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	4 Years	
Moratorium effective from :	01.06.2012	
Repayment Period (Inc.	Name of the second	
Moratorium)	12 Years	
Repayment Frequency :	16 Half Yearly	
Repayment Type :	Average	
First Repayment Date:	01.12.2016	
Base Exchange Rate	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	BONGAIGAON	1,00,00.00,000
	BARH-II	1,00,00,00,000
ī	otal Allocated Amount	2,00,00,00,000.00

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000311	T00001	D00011	
	Unsecured Loan From Syndicate E	Bank-III	
Source of Loan	Syndicate Bank-III	17	
Currency:	INR		
Amount of Loan:	10.00,00.00,000		
Total Drawn amount:	1,00,00,00,000		
Date of Drawal:	21.07.2014		
Interest Type :	Floating		
Fixed Interest Rate			
Base Rate, If Floating Interest	D00009- 10 25%		
Margin, If Floating Interest:	NIL		
Are there any Caps/ Floor :	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor		145.	
Moratorium Period :	4 Years		
Moratorium effective from :	01.06.2012		
Repayment Period (Inc Moratorium) :	12 Years		
Repayment Frequency:	16 Half Yearly		
Repayment Type :	Average		
First Repayment Date :	01.12.2016		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount	
	BARH-II	1,00,00,00,000	
T	otal Allocated Amount	1,00,00,00,000.00	



Statement Giving Details of Project Financed through a Combination of loan Form 8

TRANCHE NO

BP NO 5070000011	T00001	D00013
	Unsecured Loan From PFC-V	
Source of Loan :	PFC-V	
Currency	INR -	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount:	5.00.00.00.000	
Date of Drawl	18.03.2010	
interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D00013-7.83%	
Margin, If Floating Interest:	D00013 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
f Above is yes, specify Caps/ Floor:		
Moratorium Period	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	-
Repayment Frequency :	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date:	15.07.2013	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
10,000	FARAKKA-III	30,00,00,000 00
	SIMHADRI-II	
	BARH-II	2,70,00,00,000.00
Tot	al Allocated Amount	2,00,00,00,000.00
101	ai Ailocateu Airiourit	5,00,00,00,000.00

Statement Giving Details of Project Financed through a Combination of loan

TRANCHE NO

BP NO 5070000011	T00001	D00018	
Unsecured Loan From PFC-V			
Source of Loan :	PFC-V		
Currency :	INR		
Amount of Loan :	1,00,00,00,00,000		
Total Drawn amount:	1,50.00,00,000		
Date of Drawl	31.03.2010		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, if Floating Interest	D00018- 7.73%		
Margin, If Floating Interest	D00018 - 0.45%		
Are there any Caps/ Floor:	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor:			
Moratorium Period	4 Years		
Moratorium effective from	26.12.2008		
Repayment Period (Inc Moratorium)	16 Years		
Repayment Frequency:	48 Quarterly Instalments		
Repayment Type :	FIFO		
First Repayment Date :	15.07.2013		

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Base Exchange Rate :	RUPEE		1
Date of Base Exchange Rate:	N.A.		
Project Code	Project Name	Amount	
	BONGAIGAON	1,40,00,00,000.00	31.03.2010
	BARH-II	10,00,00,000,000	31.03.2010
To	tal Allocated Amount	1,50,00,00,000.00	

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Statement Giving Details of Project Financed through a Combination of loan

TRANCHE NO

BP NO 5070000011	T00001	D00020	
	Unsecured Loan From PF		7
Source of Loan :	pro W]
Currency:	PFC-V		1
Amount of Loan	INR		
Contraction of the Contraction o	1,00,00,00,00,000		
Total Drawn amount :	3,00,00,00,000		
Date of Drawl	15.06.2010		
Interest Type :	Floating		
Fixed Interest Rate:			
Base Rate, If Floating Interest	D00020 - 7.37%		
Margin, if Floating Interest:	D00020 - 0.45%		1
Are there any Caps/ Floor :	Y/N		1
Frequency of Intt. Payment If Above is yes, specify Caps/ Floor:	Monthly		-
Moratorium Period :	4 Years		1
Moratorium effective from :	26.12.2008		1
Repayment Period (Inc Moratorium) :	16 Years		
Repayment Frequency:	48 Quarterly Instalments		1
Repayment Type :	FIFO		
First Repayment Date :	15.07.2013		1
Base Exchange Rate :	RUPEE		1
Date of Base Exchange Rate	N.A		
Project Code	Project Name		
Topost Bodo	FARAKKA-III	Amount	
	NCTPP-DADRI-II	20,00,00,000.00	
		20,00,00,000.00	
	BONGAIGAON	20,00,00,000.00	
	BARH-II	60,00,00,000.00	15.06.2010
	MAUDA	1,00,00,00,000.00	15.06,2010
	VINDHYANCHAL-IV	50,00,00,000 00	15.06.2010
	RIHAND-III	10,00,00,000.00	
	SIPAT-I	20,00,00,000.00	
Tota	al Allocated Amount	3,00,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of Ioan Form 8

TRANCHE NO

BP NO 5070000011	T00001	D00022	
	Unsecured Loan From PFC-V	15000000	
Source of Loan :	PFC-V		
Currency :	INR		
Amount of Loan:	1,00,00,00,00,000		
Total Drawn amount	4,00,00,00,000		
Date of Drawl	22.11.2010		
Interest Type :	Fixed with Reset after every 3 Years		
Fixed Interest Rate :			
Base Rate, If Floating Interest	D00022-8.44%		
Margin, If Floating Interest:	D00022 - 0.45%		
Are there any Caps/ Floor:	Y/N		
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/ Floor:	, in the second		



		Form 8
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc. Moratorium) :	16 Years	
Repayment Frequency:	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date:	15.07.2013	

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111 0	Form	RUPEE	Base Exchange Rate:
	100	N.A.	Date of Base Exchange Rate:
_	Amount	Project Name	Project Code
00.00 22.11.2	20,00,00,000.0	KAHALGAON II	
THE RESIDENCE OF THE PARTY OF T	10,00,00,000.0	KOLDAM	
TO THE OWNER OF THE OWNER	-25,00,00,000.0	FARAKKA III	
The second second	10,00,00,000.0	NCTPP-DADRI-II	
00.00 22.11.2	10,00,00,000.00	SIMHADRI-II	
00.00 22.11.2	20,00,00,000.0	BONGAIGAON	
	55,00,00,000.0	BARH-II	
00.00 22.11.2	40,00,00,000.0	MAUDA	
00.00 22.11.2	20,00,00,000.00	VINDHYACHAL IV	
The second secon	35,00,00,000.00	RIHAND-III	
00.00 22.11.2	30,00,00,000.00	TALCHER-II	
The second second	15,00,00,000.00	RIHAND-II	
The state of the s	50,00,00,000.00	VINDHYACHAL III	
00.00 22.11.2	20,00,00,000.00	UNCHAHAR-III	
Contraction of the Contraction o	40,00,00,000.00	PAKRI BARWADIH	
The state of the s	4,00,00,00,000.00	I Allocated Amount	Tota

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

BP NO 5070000011	TRANCHE NO T00001	D00000
	Unsecured Loan From PFC-V	D00023
	Cincented Count (On 11 G-7	
Source of Loan:	PFC-V	
Currency .	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount:	3,50,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	D00023- 8.91%	
Margin, If Floating Interest:	D00023 - 0.45%	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	4 Years	
Moratorium effective from :	28.12.2008	
Repayment Period (Inc. Moratorium) :	16 Years	
Repayment Frequency:	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate	RUPEE	
Date of Base Exchange Rate:	N.A.	
Project Code	Project Name	Amount
	BARH-II	25,00,00,000.00
	MAUDA-I	25,00,00,000.00
	SIMHADRI-II	10,00,00,000.00
	VINDHYACHAL IV	25,00,00,000.00
	RIHAND-III	50,00,00,000,000
	BARH-I	1,00,00,00,000.00
	KOLDAM	10,00,00,000.00
	KORBA-III	25,00,00,000,00
	FARAKKA III	15,00,00,000,000
	NCTPP-DADRI-II	10,00,00,000,00
	TAPOVAN VISHNUGARH	15,00,00,000.00
	BONGAIGAON	40,00.00,000.00
Tota	al Allocated Amount	3,50,00,00,000.00

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Statement Giving Details of Project Financed through a Combination of loan Form 8

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BP NO 5070000011	T00001	D00029
	Unsecured Loan From PFC-V	5.000
Source of Loan :	PFC-V	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount:	2,50,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :	1 loaning	
Base Rate, If Floating Interest	D00029-9.41%	
Margin, If Floating Interest	D00029 - 0.45%	
Are there any Caps/ Floor	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor:	Working.	
Moratorium Period :	4 Years	
Moratorium effective from :	26 12 2008	
Repayment Period (Inc Moratorium)	16 Years	
Repayment Frequency:	48 Quarterly instalments	
Repayment Type :	FIFO	
First Repayment Date:	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	FARAKKA III	90,00,00,000,00
	BARH-II	1,30,00,00,000.00
	TANDA R&M	15,00,00,000.00
	KORBA R&M	15,00,00,000.00
Tot	al Allocated Amount	2,50,00,00,000.00

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5070000011	TRANCHE NO T00001	D00031
	Unsecured Loan From PFC-V	500001
Source of Loan :	PFC-V	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount :	4.00.00.00.000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest	D00031 - 9.42%	
Margin, If Floating Interest:	D00031 - 0.45%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor :	1	
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc Moratorium) :	16 Years	
Repayment Frequency	48 Quarterly Instalments	
Repayment Type :	FIFO	
First Repayment Date :	15.07.2013	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate	N.A.	
Project Code	Project Name	Amount
	KOLDAM	58,00,00,000,00
	TAPOVAN VISHNUGAD	15.00.00,000.00
	FARAKKA-III	48,00,00,000.00
	SIPAT-I	1,20,00,00,000.00
	NCTPP-II	37.00.00.000.00

	Form 8
BARH-II	40,00,00,000,00
KORBA-III	62,00,00,000,00
KAHALGAON-II	15,00,00,000,00
SIPAT-II	5,00.00,000.00
Total Allocated Amount	4,00,00,00,000.00

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Statement Giving Details of Project Financed through a Combination of Ioan Form 8

BP NO 5070000011	TRANCHE NO T00001	D00033
Unsecured Loan From PFC-V		
Source of Loan :	PFC-V	
Currency:	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Date of Drawl	0	
Interest Type :	Fixed with Reset after every 3 Years	
Fixed Interest Rate :	The state of the s	
Base Rate, If Floating Interest	D00033 - 9.48%	
Margin, If Floating Interest:	D00033 - 0.45%	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor	· · · · · · · · · · · · · · · · · · ·	
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc.	40.10000	
Moratorium):	16 Years	
Repayment Frequency:	48 Quarterly Instalments	
Repayment Type	FIFO	
First Repayment Date:	15.07.2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate:	N.A.	
Project Code	Project Name	A
THE TAXABLE PARTY OF TAXABLE	SIPAT-I	Amount
	BARH-I	90,00,00,000.00
	BARH-II	65,00,00,000.00
	MOUDA-I	80,00,00,000.00
	BONGAIGAON	47,00,00,000.00
	RIHAND-III	25,00,00,000 00
	FARAKKA-III	38,00,00,000.00
	KORBA-III	1,31,00,00,000.00
	SIPAT-II	7,00,00,000.00
	KAHALGAON-II	4,00,00,000.00
	UNCHAHAR R&M	8,00,00,000.00
Tota	al Allocated Amount	5,00,00,000.00
700	- I moderou Amount	5,00,00,00,000.00

Statement Giving Details of Project Financed through a Combination of Ioan Form 8

T00001	D00036
Unsecured Loan From PFC-V	D00036
PEC-V	
0	
Figeting	
D00036 - 9 54%	
Y/N	
Monthly	
4 Years	
RUPEE	
N.A.	
	Unsecured Loan From PFC-V PFC-V INR 1,00,00,00,00,000 5,00,00,00,000 Floating D00036 - 9.54% D00036 - 0.45% Y/N Monthly 4 Years 26.12.2008 16 Years 48 Quarterly Instalments FIFO 15.07.2013 RUPEE

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		Form 8
Project Code	Project Name	Amount
	BARH-II	2,75,00,00,000,00
	MOUDA-I	35,00,00,000.00
	VINDHYACHAL-IV	45,00,00,000.00
	SIPAT-I RIHAND-III	1,05,00,00,000.00
		40,00,00,000.00
	Total Allocated Amount	5,00,00,00,000.00

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Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5070000011	TRANCHE NO T00001	D00037
N 001 80-400 V V V V V V V V V V V V V V V V V V	Unsecured Loan From PFC	C-V 200037
Source of Loan :	PFC-V	
Currency:	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount:	5.00,00,00,000	
Date of Drawl	0	
Interest Type :	Floating	
Fixed Interest Rate:	- receiving	
Base Rate, If Floating Interest	D00037 - 9.61%	
Margin, If Floating Interest:	D00037 - 0.45%	
Are there any Caps/ Floor	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	4 Years	
Moratorium effective from :	26.12.2008	
Repayment Period (Inc. Moratorium) :	16 Years	
Repayment Frequency:	48 Quarterly Instalments	
Repayment Type :	FIFO	
irst Repayment Date :	15.07,2013	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	
	NCTPP-II	Amount
	MOUDA-I	1,10,00,00,000,00
	VINDHYACHAL-IV	1,20,00,00,000 00
	BARH-II	1,45,00,00,000.00
	KORBA-III	80,00,00,000.00
	KAHALGAON-II	30,00,00,000.00
Total	al Allocated Amount	15,00,00,000.00
	The state of the s	5,00,00,00,000.00

Statement Giving Details of Project Financed through a Combination of Ioan Form 8

TRANCHE NO BP NO 5070000011 T00001 D00038 Unsecured Loan From PFC-V Source of Loan : Currency : Amount of Loan : PFC-V INR 1,00,00,00,00,000 Total Drawn amount 4,50,00,00,000 Date of Drawl Floating Interest Type Fixed Interest Rate Base Rate, If Floating Interest D00038 - 9.62% Margin, If Floating Interest D00038 - 0.45% Are there any Caps/ Floor Y/N Frequency of Intt. Payment Monthly If Above is yes, specify Caps/ Floor: Moratorium Period Moratorium effective from 4 Years 26.12.2008 Repsyment Period (Inc. Moratorium) 16 Years Repayment Frequency: 48 Quarterly Instalments Repayment Type FIFO First Repayment Date 15.07.2013 Base Exchange Rate : Date of Base Exchange Rate RUPEE N.A Project Code Project Name Amount

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		Form 8
	RIHAND-III	1,40,00,00,000,00
	PAKRI BARWADIH	35,00,00,000,00
	SIPAT-I	30,00,00,000,00
	SIMHADRI-II	1,15,00,00,000,00
	FARAKKA-III	45,00,00,000,00
	BARH-II	
1	BONGAIGAON	20,00,00,000.00
ķ — — — — — — — — — — — — — — — — — — —	Total Allocated Amount	65,00,00,000.00
	i viai riiioogicu Aiiiouiit	4,50,00,00,000.00

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2,00,00,00,000

Statement Giving Details of Project Financed through a Combination of loan Form 8

BP NO 5050000441	TRANCHE NO	D00001	
	Unsecured Loan From Allahaba	nd Bank-III	1
Source of Loan	AU-1-1-10-104		
Currency:	Allahabad Bank-IV		
Amount of Loan:	11.11.1		
Total Drawn amount:	20,00,00,00,000		
Date of Drawl	2,00,00,00,000 31 12 2014		
Interest Type :			
Fixed Interest Rate :	Floating		
Base Rate, If Floating Interest	D00004 40 0494		
Margin, If Floating Interest	D00001- 10.25%		
Are there any Caps/ Floor:	Y/N		
Frequency of Intt. Payment	The state of the s		
If Above is yes, specify Caps/	MONTHLY	(*)	
Floor:			
Moratorium Period :	6 Years		-
Moratorium effective from :	31.12.2014		-
Repayment Period (Inc. Moratorium) :	15 Years		
Repayment Frequency:	9 Yearly Yearly Instalment		
Repayment Type :	AVG		4
First Repayment Date :	31.12.2021		-
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate:	N.A.		-
Project Code	Project Name	Amount	
	BARH-II	2,00,00,00,00	0 31 12 201
		2,00,00,00	24-12.20

Statement Giving Details of Project Financed through a Combination of loan Form 8

Total Allocated Amount

BP NO 5050000442	TRANCHE NO T00001	
	Unsecured Loan From SBI-VIII	D0004
Source of Loan:	SBI-VIII	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount :	10,00,00,00,000	
Interest Type	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	D0004-9.70%	
Margin, If Floating Interest:	0.00%	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	6 Years	
Moratorium effective from :	21.01.2015	
Repayment Period (Inc Moratorium) :	9 Years	
Repayment Frequency	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate:	N.A.	
Project Code	Project Name	Amount
	BARH-II	23,00,00,000
	BARH-I	45,00,00,000
	BONGAIGAON	61,00,00,000
	DARLIPALLI	68,00,00,000
	GADARWARA	1,25,00,00,000
	KOLDAM	29,00,00,000
	KUDGI-I	1,13,00,00,000
	LARA-I	1,65,00,00,000





	Form 8
MOUDA-II	84,00,00,000
NORTH KARANPURA	24.00.00.000
RAMMAM	9,00,00,000
SOLAPUR	1,11,00,00,000
TANDA-II	7.00,00,000
TAPOVAN VISHNUGARH	38.00,00.000
UNCHAHAR-IV	41,00,00,000
VINDHYACHAL-V	57,00,00,000
Total Allocated Amount	10,00,00,00,000.00

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Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000442	T00001	D0008
	Unsecured Loan From SBI-VI	
Source of Loan :	SBI-VIII	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount :	5,00,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	D0008-9.30%	
Margin, If Floating Interest:	0.00%	
Are there any Caps/ Floor	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	6 Years	
Moratorium effective from :	21.01.2015	
Repayment Period (Inc.	TO THE PARTY OF TH	
Moratorium) :	9 Years	
Repayment Frequency:	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	4
	BARH-I	Amount
	TAPOVAN VISHNUGAD	54,00,00,000
	BONGAIGAON	13,00,00,000
	BARH-II	23,00,00,000
	KUDGI-I	22,00,00,000
	MOUDA-II	81,00,00,000
	SOLAPUR	25,00,00,000
	VINDHYACHAL-V	35,00,00,000
	LARA-I	13,00,00,000
	GADARWARA	85,00,00,000
	UNCHAHAR IV	49,00,00,000
	NORTH KARANPURA	10,00,00,000
	DARLIPALLI	8,00,00,000
	TANDA-II	34,00,00,000
	PAKRI BARWADIH	26,00,00,000
	RIHAND-III	12,00,00,000
	Access to the second se	10,00,00,000
10	tal Allocated Amount	5,00,00,00,000

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Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000442	T00001	D00013
	Unsecured Loan From SBI-VIII	200010
C	881100	
Source of Loan :	SBI-VIII	
Currency:	INR	
Amount of Loan:	1,00,00,00,00,000	
Total Drawn amount:	4,00,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate:	///	
Base Rate, If Floating Interest	D00013-9.30%	
Margin, If Floating Interest :	0.00%	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor:		
Moratorium Period :	6 Years	
Moratorium effective from :	21.01.2015	
Repayment Period (Inc.	102-103-103-103-	
Moratorium):	9 Years	
Repayment Frequency:	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
and of other Engine 180 (1616)	1476	
Project Code	Project Name	Amount
	BARH-I	18,00,00,000
	BONGAIGOAN	14,00,00,000
	DARLIPALLI	45,00,00,000
	GADARWARA	50,00,00,000
	KUDGI	45,00,00,000
	LARA	72,00,00,000
	MOUDA-II	32,00,00,000
	SOLAPUR	45,00,00,000
	UNCHAHAR-IV	21,00,00,000
	RAMMAM	15,00,00,000
	BARH-II	18,00,00,000
	VINDHYACHAL-IV	13,00,00,000
	MOUDA-I	12,00,00,000
To	otal Allocated Amount	4,00,00,000
- 1.	The state of the s	4,00,00,00,00

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

BP NO 5050000442	T00001	D00015
	Unsecured Loan From SBI-VIII	
Source of Loan :	SBI-VIII	
Currency:	INR	
Amount of Loan .	1,00,00,00,00,000	
Total Drawn amount :	1,50,00,00,000	
Interest Type :	Floating	
Fixed Interest Rate :	***************************************	
Base Rate, If Floating Interest	D00015-9.30%	
Margin, If Floating Interest:	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/ Floor		
Moratorium Period :	6 Years	
Moratorium effective from:	21.01.2015	
Repayment Period (Inc Moratorium) :	9 Years	
Repayment Frequency	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	31.01.2022	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate :	N.A.	

Project Code	Project Name	Amount
r roject douc	BARH-I	35,00,00,000
	BONGAIGAON	20,00,00,000
	DARLIPALU	20,00,00,000
	UNCHAHAR-IV	20,00,00,000
	GADARWARA	20,00,00,000
	MOUDA-II	20,00,00,000
	BARH-II	15,00,00,000
	Total Allocated Amount	1,50,00,00,000

1,50,00,00,00

Statement Giving Details of Project Financed through a Combination of loan Form 8

TRANCHE NO

BP NO 5050000442	T00001	D00021
	Unsecured Loan From SB	I-VIII
Source of Loan :	SBI-VIII	
Currency	INR	
Amount of Loan :	1,00,00,00,00,000	
Total Drawn amount:	2,50,00,00,000	
Date of Drawl	21.09.2016	
Interest Type :	Floating	
Fixed interest Rate :		
Base Rate, If Floating Interest	D00021-9:10%	
Margin, If Floating Interest	0.00%	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/		
Moratorium Period	6 Years	
Moratorium effective from :	21.09.2016	
Repayment Period (Inc Moratorium) :	15 Years	
Repayment Frequency	9 Yearly Installments	
Repayment Type ;	AVG	
First Repayment Date:	31.01.2022	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	T)
Project Code	Project Name	Amount
	BONGAIGAON	40,00,00,000
	MOUDA-II	15,00,00,000
	KUDGI	84,00,00,000
	BARH-II	8,00,00,000
	KOLDAM	18.00,00,000
	RIHAND-III	57,00,00,000
	VINDHYACHAL-IV	21,00,00,000
	MOUDA-I	7,00,00,000
Ti	THE PROPERTY OF THE PARTY OF TH	2,50,00,00,000
To	otal Allocated Amount	2,50,00,0

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000421	T00001	D00004
	Unsecured Loan From HDFC Bank L	tdIII
Source of Loan :	HDFC Bank LtdIII	
Currency :	INR	
Amount of Loan:	20,00,00,00,000	
Total Drawn amount:	1,50,00,00,000	
Date of Drawal:	21.04.2016	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	D00004-9:30%	
Margin, if Floating Interest:	NIL	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor		
Moratorium Period :	6 Years	
Moratorium effective from :	21.04.2016	
Repayment Period (Inc Moratorium)	15 Years	
Repayment Frequency:	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	04.12,2021	
Base Exchange Rate	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount
	TAPOVAN VISHNUGAD	25,00,00,000 21.04.2





	7 01111 0	
SOLAPUR	30,00,00,000 21.04	
KHARGONE	30,00,00,000 21.04	
BARH-II	57,00,00,000 21.04.	
SINGRAULI HYDRO	4,00,00,000 21.04.	
TELANGANA	4,00,00,000 21.04.	2016
 Total Allocated Amount	1,50,00,00,000	

Vitendre

	TRANCHE NO T00001	D00005	
BP NO 50500000451	Unsecured Loan From ICICI-IV		
	ICICI-IV		
Source of Loan :	INR		
Currency:	20,00,00,00,000		
Amount of Loan :	2,00,00,00,000		
Total Drawn amount:	10.10.2016		
Date of Drawal	Floating		
Interest Type	ribating		
Fixed Interest Rate :	D00005-9.10%		
Base Rate, If Floating Interest			
Margin, If Floating Interest	NIL		
Are there any Caps/ Floor:	MONTHLY		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor	Vince -		
Moratorium Period :	6 Years		
Moratorium effective from :	10.10.2016		
Repayment Period (Inc. Moratorium)	15 years		
Repayment Frequency:	9 Yearly Instalment		
Repayment Frequency	AVG		
Repayment Type : First Repayment Date :	16.02.2023		
Base Exchange Rate:	RUPEE		
Date of Base Exchange Rate	N.A.		ĺ
	To the second	Amount	
Project Code	Project Name	50,00,00,000 00	10.10.201
Warren and the same and the sam	LARA	50,00,00,000,00	10.10.201
	GADARWARA STORIN	15,00,00,000.00	10.10.201
	UNCHAHAR STPP IV	37,00,00,000.00	10.10.201
	NORTH KARANPURA	8,00,00,000,00	10.10.201
	BARH-II	20.00,00,000.00	10.10.201
	KHARGONE	20,00,00,000,00	
	TAPOVAN VISHNUGAD Total Allocated Amount	2,00,00,00,000.00	

Statement Giving Details of Project Financed through a Combination of loan Form 8

0202	TRANCHE NO T00001	D00002
3P NO 5050000511	Unsecured Loan From Jammu & Kashmir Ban	k-IV
	Unacedited and the control of the co	
Source of Loan	Jammu & Kashmir Bank-IV	
Currency:	INR	
Amount of Loan	7,00,00,00,000	
Total Drawn amount :	5,00,00.00,000	
Date of Drawl:	17.04.2017	
interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	7.85%	
Margin, If Floating Interest:		
Are there any Caps/ Floor	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/		
Floor:		
Moratorium Period	NIL	
Moratorium effective from :	17.04.2017	
Repayment Period (Inc	Towns and the second se	
Moratorium)	12 Years	
Repayment Frequency	9 Yearly Instalment	
Repayment Type:	AVG	
First Repayment Date	31,03:2021	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate:	N.A.	
Duty of Boss Children	11 230000	
		Amount
Project Code	Project Name	
Togota Golde		0
	012	1 line
	88	Sky

Total Allocated Amount	2,00,00,000,000.00
RIHAND-III	0,00,00,000
KOLDAM	5,00,00,000.00 17.0
	38,00,00,000.00 17.0
VINDHYACHAL-V	22,00,00,000.00 17.0
BARH - II	22,00,00,000.00 17.0
MOUDA-II	30,00,00,000.00 17.0
KUDGI	95,00,00,000.00 17.0
Trunci	10,00,00,000.00 17.0
List of the second seco	10.00.00.00

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Statement Giving Details of Project Financed through a Combination of loan Form 8

TRA		

3P NO 5050000531	T00001	D0004	
3P NO 3030000331	Unsecured Loan From SB	II-IX	
Source of Loan :	SBI-IX		
Currency :	INR		
Amount of Loan :	30,00,00,00,000		
Total Drawn amount :	2.00,00,00,000		
Date of Drawal:	01.09.2017		
Interest Type :	Floating		
Fixed Interest Rate:			à .
Base Rate, If Floating Interest	7.90%		
Margin, If Floating Interest :	0.00%		
Are there any Caps/ Floor :	Y/N		=
Frequency of Intt. Payment	Monthly		
If Above is yes, specify Caps/			
Floor :			
Moratorium Period :	3 Years		
Moratorium effective from	01.09.2017		1:
Repayment Period (Inc.			
Moratorium):	12 Years		
Repayment Frequency	9 Yearly Installments		ł
Repayment Type :	AVG		
First Repayment Date :	31.03.2021		ł
Base Exchange Rate	RUPEE		-
Date of Base Exchange Rate	N.A.		-
Date of base that the go rate	1000		-
			1
Project Code	Project Name	Amount	4
110,000	The second of th	25,00,00,000	04.00.2047
	UNCHAHAR STPP IV	25,00,00,000 55,00,00,000	01.09.2017
	ROJMAL WIND	5,00,00,000	01.09.2017
	BARH-II	1,15,00,00,000	01.09.2017
	KUDGI	1,15,00,00,000	01.09.2017
		2.00.00.000.000	
7	Total Allocated Amount	2,00,00,00,000.00	2

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

OD NO PARADODE 14	TRANCHE NO T00001	D00001
BP NO 50500000541	Unsecured Loan From ICICI-VI	
Source of Loan:	ICICI-VI	
Currency:	INR	
Amount of Loan:	30,00,00,00,000	
Total Drawn amount :	4,00,00,00,000	
Date of Drawal	11.09.2017	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, if Floating Interest	7.90%	
Margin, if Floating Interest :	NIL	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/		
Floor:		
Moratorium Period :	6 Years	
Moratorium effective from :	11.09.2017	
Repayment Period (Inc.		
Moratorium) :	15 years	
Repayment Frequency:	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	11.09.2024	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate:	N.A.	
	2 - 1 - 1 - 1	Amount
Project Code	Project Name	75,00,00,000.00
	GADARWARA	,

TAPOVAN VISHNUGARH	60,00,00,000.00 11.09.2017
BARH-I	1,75,00,00,000.00 11.09.2017
RAMMAM	25,00,00,000.00 11.09.2017
BARH - II	10,00,00,000.00 11.09.2017
VINDHYACHAL-V	55,00,00,000.00 11.09.2017
Total Allocated Amount	4,00,00,00,000.00
Total Allocated Allount	The second secon

Mendon

Statement Giving Details of Project Financed through a Combination of Ioan Form 8 TRANCHE NO

TRA	MCL	10	MC
TITAM	MO	-	MO

BP NO 5050000551	T00001	D00002	
37 140 000000000	Unsecured Loan From SB	I-X	
			4
ource of Loan :	SBI- X		1
urrency	INR		4
mount of Loan :	40.00,00,00,000		4
otal Drawn amount :	2,00,00,00,000		4
late of Drawal:	04.10.2017		-
nterest Type :	Floating		-
ixed Interest Rate:			-
lase Rate, If Floating Interest	7.90%		4
Margin, If Floating Interest:	0.00%		1
we there any Caps/ Floor:	Y/N		
requency of Intt. Payment	Monthly		-
Above is yes, specify Caps/			
Moratorium Period :	6 Years		4
Moratorium effective from ;	04.10.2017		-
Repayment Period (Inc.			
Moratorium)	15 Years		-
Repayment Frequency:	9 Yearly Installments		
Repayment Type :	AVG		1
irst Repayment Date :	01.10.2024		1
Base Exchange Rate	RUPEE		1
Date of Base Exchange Rate	N.A.		4
			-
Project Code	Project Name	Amount	1
	200 1000	20,00,00,000	04 10 2017
	SOLAPUR	20,00,00,000	
	LARA	25,00,00,000	04 10 2017
	DARLIPALLI	35,00,00,000	04.10.2017
	TANDA-II	30,00,00,000	
	KHARGONE	15,00,00,000	04.10.2017
	TELANGANA	15,00,00,000	
	BARH - II	20,00,00,000	
	KOLDAM	20,00,00,000	
	PAKRI BARWADIH CMB		
- 1	otal Allocated Amount	2,00,00,00,000.00	4

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000551	T00001	D00004
BF NO 3030000331	Unsecured Loan From SBI-X	
Source of Loan:	SBI-X	
Currency:	INR	
Amount of Loan:	40,00.00,00,000	
Total Drawn amount :	1,00,00,00,000	
Date of Drawal:	21.12.2017	
Interest Type :	Floating	
Fixed Interest Rate:		
Base Rate, If Floating Interest	7.90%	
Margin, If Floating Interest:	0.00%	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	Monthly	
If Above is yes, specify Caps/	1,000,000,000	
Floor:	No Marca Anna T	
Moratorium Period :	6 Years	
Moratorium effective from :	21.12.2017	
Repayment Period (Inc.	-J- 1030200-	
Moratorium)	15 Years	
Repayment Frequency:	9 Yearly Installments	
Repayment Type :	AVG	
First Repayment Date :	01,10,2024	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate :	N.A.	
	Disposer Programme Control of the Co	

92

	-	-		- 0
-	o	П	п	ď
	~	7.7		100

Project Code	Project Name	Amount	
	TELANGANA	5,00,00.000	
	KUDGI	75,00,00,000	
	BARH - II	5,00,00.000	21.12.2017
	VINDHYACHAL-V	15,00,00,000	21.12.2017
	Total Allocated Amount	1,00,00,00,000.00	

Viterdore

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

BP NO 5050000561	T00001	D00003	385
	Unsecured Loan From HDF	C Bank Ltd. V	
	1 - CONCRAMENCARIO CONCRA		
Source of Loan:	HDFC Bank Ltd. V		
Currency:	INR		- 5
Amount of Loan:	25,00,00,00,000		
Total Drawn amount :	2,00,00,00,000		
Date of drawl	13.11.2017		
Interest Type :	Floating		
Fixed Interest Rate :			
Base Rate, If Floating Interest	7.90%		
Margin, If Floating Interest:	NIL		
Are there any Caps/ Floor	Y/N		
Frequency of Intt. Payment	MONTHLY		
If Above is yes, specify Caps/ Floor	0		
Moratorium Period :	6 Years		
Moratorium effective from :	13.11.2017		
Repayment Period (Inc Moratorium)	15 Years		
Repayment Frequency:	9 Yearly Instalment		
Repayment Type :	AVG		
First Repayment Date:	25.09.2024		
Base Exchange Rate :	RUPEE		
Date of Base Exchange Rate	N.A		
Project Code	Project Name	Amount	
r tojout oode	SOLAPUR		000 13.11.2017
	PAKRI BARWADIH COAL MINE		000 13.11.2017
	BONGAIGAON		000 13.11.2017
	TELANGANA	12.00.00.	000 13.11.2017
	BARH - II		13.11.2017
	ROJMAL WIND		000 13.11.2017
	LARA		000 13.11.2017
	CHATTI BARIATU CMB		000 13.11.2017
	DULANGA COAL MINE		000 13.11.2017
Т.	otal Allocated Amount	2,00,00,00,	000

Statement Giving Details of Project Financed through a Combination of loan Form 8 TRANCHE NO

	I RANCHE NO	
BP NO 5050000711	T00001	D00001
- Commission Accommission (1)	Unsecured Loan From Punjab Na	ational Bank-IV
Source of Loan :	Punjab National Bank-IV	
Currency :	INR	
Amount of Loan :	20,00,00,00,000	
Total Drawn amount :	20,00,00,00,000	
Date of Drawl	01.01.2019	
The second secon	The state of the s	
Interest Type :	Floating -	
Fixed Interest Rate :	0.000/	
Base Rate, If Floating Interest	8.60%	
Margin, If Floating Interest:	0.00%	
Are there any Caps/ Floor :	Y/N	
Frequency of Intt. Payment	MONTHLY	
If Above is yes, specify Caps/ Floor;		
Moratorium Period :	3 Years	
Moratorium effective from :	01.01.2019	
Repayment Period (Inc Moratorium) :	12 Years	
Repayment Frequency:	9 Yearly Instalment	
Repayment Type :	AVG	
First Repayment Date :	14.02.2023	
Base Exchange Rate :	RUPEE	
Date of Base Exchange Rate :	N.A.	
Project Code	Project Name	Amount

IUNCHAHAR STPP IV	65,00,00,000.00 01.01.2019
TANDA-II	85,00,00,000.00 01.01.2019
NCTPP-II	36,43,00,000.00 01.01.2019
DADRI GAS R&M	56,00,00,000.00 01.01.2019
KORBA-III	15,00,00,000.00 01.01.2019
SIPAT-II	17,14,00,000.00 01.01.2019
FARAKKA-III	8,57,00,000.00 01.01.2019
KAHALGAON-II	17,14,00,000.00 01.01.2019
BARH-I	1,08,57,00,000.00 01.01.2019

W. Jender 1.01.2019

	DARWE	Form
	NORTH KARANPURA	8,00,00,000.0
	KOLDAM	1,09,00,00,000
	TAPOVAN VISHNUGAD	6,43,00,000.0
	PAKRI BARWADIH	28,57,00,000.0 1,42,00,00,000.0
	CHATTI BARIATU	10,00,00,000.0
	BONGAIGAON	36,43,00,000.0
	KUDGI	60,00,00,000.0
	LARA	1,23,00,00,000.0
	GADARWARA	2,27,72,00,000.0
	DARLIPALLI	2,73,00,00,000.0
	KHARGONE ANANTPUR SOLAR	50,00,00,000 0
	TALAIPALI COAL MINE	17,00,00,000.0
	Total Allocated Amount	5,00,00,00,000 0
		2.20
St	atement Giving Details of Project Financed thr Form 8	ough a Combination of Ioan
	TRANCHE NO	
BP NO 50500001041	T00001	D00001
	Unsecured Loan From Bank C	f India-IV
Source of Loan :	Bank Of India-IV	1001000 p. 200
Currency :	INR	
Amount of Loan :	2200000000	
Total Drawn amount :	16,00,00,00,000	
Date of Drawel:	07.12.2020	
Interest Type :	Floating	
Fixed Interest Rate :		
Base Rate, If Floating Interest	6.00%	
Margin, If Floating Interest	NIL	
Are there any Caps/ Floor:	Y/N	
Frequency of Intt. Payment	Monthly	
Above is yes, specify Caps/ loor :		
Moratorium Period :	3 Years	
Moratorium effective from :	07.12.2020	
Repayment Period (Inc.	Table 1	
Aoratorium):	15 Years	
Repayment Frequency:	Yearly	
Repayment Type :	AVG	
irst Repayment Date:	07.12.2024	
Base Exchange Rate : Date of Base Exchange Rate :	RUPEE	
Date of Base Excrange Rate :		
Project Code	Project Name	-
	UNCHAHAR SOLAR PV	Amount
		16,00,00,000
	VINDHYACHAL-V	60,00,00,000
	TALCHER SOLAR PV	20,00,00,000
	BARH I	20,00,00,000
	BARH-II	88,00,00,000
	KOLDAM	80,00,00,000
	PAKRI BARWADIH CMB	2,00,00,00,000
	I ARRI DARWADIN CIND	The state of the s
	SOLAPUR	1.77.00.00.000
	SOLAPUR	1,72,00,00,000
	SOLAPUR KUDGI	2,72,00,00,000
	SOLAPUR KUDGI LARA	2,72,00,00,000 1,36,00,00,000
	SOLAPUR KUDGI LARA GADARWARA	2,72,00,00,000 1,36,00,00,000 1,46,00,00,000
	SOLAPUR KUDGI LARA GADARWARA RAJGARH SOLAR PV	2,72,00,00,000 1,36,00,00,000
	SOLAPUR KUDGI LARA GADARWARA RAJGARH SOLAR PV LATA TAPOVAN	2,72,00,00,000 1,36,00,00,000 1,46,00,00,000
	SOLAPUR KUDGI LARA GADARWARA RAJGARH SOLAR PV	2,72,00,00,000 1,36,00,00,000 1,46,00,00,000 64,00,00,000 36,00,00,000
	SOLAPUR KUDGI LARA GADARWARA RAJGARH SOLAR PV LATA TAPOVAN	2,72,00,00,000 1,36,00,00,000 1,46,00,00,000 64,00,00,000 36,00,00,000 1,60,00,00,000
	SOLAPUR KUDGI LARA GADARWARA RAJGARH SOLAR PV LATA TAPOVAN DARLIPALLI	2,72,00,00,000 1,36,00,00,000 1,46,00,00,000 64,00,00,000 36,00,00,000 1,60,00,00,000 60,00,00,000
	SOLAPUR KUDGI LARA GADARWARA RAJGARH SOLAR PV LATA TAPOVAN DARLIPALLI BILHAUR SOLAR 140MW	2,72,00,00,000 1,36,00,00,000 1,46,00,00,000 64,00,00,000 36,00,00,000 1,60,00,00,000

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Sti	stement Giving Details of Project Financed the Form 8	eagn a comunication of reali
	TRANCHE NO	- V
BP NO 5050000981	T00001	D00004
31 110 3030000001	Unsecured Loan From HDFC B	
Source of Loan : *	HDFC Bank Ltd. IX	
Currency:	INR	
Amount of Loan:	50,00,00,00,000	
Total Drawn amount:	16,10,00,00,000	
Date of drawl	24.08.2020	
nterest Type :	Floating	
ixed Interest Rate		
Base Rate, If Floating Interest	6.30%	
Margin, If Floating Interest:	NIL	
Are there any Caps/ Floor:	Y/N	
requency of Intt. Payment	MONTHLY	
f Above is yes, specify Caps/		
Floor		
Moratorium Period :	3 Years	
Moratorium effective from :	24.08.2020	
Repayment Period (Inc.	00-10370-000	
Moratorium) :	15 Years	
Repayment Frequency:	12 Yearly Instalment	
Repayment Type	AVG	
irst Repayment Date :	30.06.2024	
Base Exchange Rate:	RUPEE	
Date of Base Exchange Rate:	N.A.	
		A
Project Code	Project Name	Amount
	BARH-II	2,54,31,57,06
	BONGAIGAON	2,06,81,00,00
	CHATTI BARIATU CMP	13,60,00,00
	JETSAR SOLAR	20,00,00,00
	KAHALGAON-II	11,43,64,13 1,20,00,00,00
	KHARGONE	4,54,00,00
	KOLDAM	2,14,43,26
	KORBA-III	45,00,00,00
	KUDGI	THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS O
	LARA-I	7,85,71,43 69,46,38,78
	MOUDA-I	1,50,00,00,00
	MOUDA-II	50,00,00,00
	NORTH KARANPURA PAKRI BARWADIH CMB	1,07,21,55,09
		50,00,00,00
	RAMMAM RIHAND-III	20,43,00,00
	The state of the s	22,70,00,00
	SIMHADRI-II SIPAT-I	18,57,38,78
	SOLAPUR	53,79,74,29
		1,20,00,00,00
	TANDA-II	18,00,00,00
	UNCHAHAR STPP IV	85,83,00,00
	VINDHYACHAL-IV VINDHYACHAL-V	1,48,28,57,14
	VINDITACIAL-V	1,40,28,37,141
	atal Allocated America	16 10 00 00 00
T	otal Allocated Amount	16,10,00,00,



	the Company: NTPC Ltd the Generating Station: Barh S	PS Stage - II (2	X660 MW)			_	
2019-20	The delicioning station : dains	- Joseph - II (E	nood in wy	T	г т		
Sr. No.	Bank	ROI on refinancing date	Date of refinancing	Refinanced with Bank	ROI of relplaced Loan	savings	saving to be retained
1	United Bank of India IV	8.15%	23-12-2019	Bonds series 69	7.32%	0.83%	0.42%
2020-21							
Sr. No.	Bank	ROI on refinancing date	Date of refinancing	Refinanced with Bank	ROI of relplaced Loan	savings	saving to be retained
1	Canara Bank-III	7.20%	24-08-2020	HDFC Bank-IX	6.30%	0.90%	
2	HUDCO	7.25%	24-08-2020	HDFC Bank-IX	6.30%	0.95%	
3	SYNDICATE -III	7.20%	24-08-2020	HDFC Bank-IX	6.30%	0.90%	0.45%
4	Vijaya Bank -IV	7.15%	24-08-2020	HDFC Bank-IX	6.30%	0.85%	
5	Vijaya bank -V	7.15%	24-08-2020	HDFC Bank-IX	6.30%	0.85%	
6	Power Finance Corporation - V	7.97%	15-10-2020	72	5.45%	2.52%	1.26%
7	Bank of India-II	6.70%	07-12-2020	Bank of India-IV	6.00%	0.70%	0.35%



Form 8- Domestic Bonds- Details of Allocation of corporate loans to various projects during the FY 2019-

	24	
<u>Particulars</u>	69	<u>72</u>
Source of Loan1	BONDS	BONDS
Currency2	INR	INR
Amount of Loan sanctioned	4,30,000.00	4,00,000.0
Interest Type6	Fixed	Fixed
Fixed Interest Rate, if applicable	7.32%	5.45%
Base Rate, if Floating Interest7	N/A	N/A
Margin, if Floating Interest8	N/A	N/A
Are there any Caps/Floor9	No	No
If above is yes, specify caps/floor	N/A	N/A
Moratorium Period10	10	5
Moratorium effective from #	17-07-2019	15-10-2020
Repayment Period11	Bullet Repayment	Bullet Repayment
Repayment effective from	17-07-2029	15-10-2025
Repayment Frequency12	110120	10 10 2020
	Bullet Repayment	Bullet Repayment
Repayment Instalment13,14	4,30,000,00	4,00,000.00
Base Exchange Rate16	N/A	N/A
Door to Door Maturity	10	5
Name of the Projects		
Anantpur Solar		
ANTA		
AURAIYA		
Auraiya R & M		
Badarpur R&M		
BARHI	04 200	0.007
BARHII	84,200	3,867
Shadla Solar	1,400	62,500
BONGAIGAON	17,100	27.000
Chatti Bariatu CMB	3,000	27,200
Dadri Gas R & M	3,000	
ADRI GAS		
DARLIPALLI	40,000	
Oulanga CMB	5,000	
ARAKKA II	5,000	
ARAKKA III		27 000
arakka R & M	1,000	37,900
ARIDABAD	1,000	
ADARWARA	47,600	
SANDHAR	47,000	
Sandhar R &M		
ahalgaon II Phase I		
ahalgaon II Phase II		0.000
hstpp R & M		3,800

99

TAL	4,12,000	4,00,000
	11,500	
laipali Coal Mine	11 500	
JGARH SOLAR		
NCHAHAR SOLAR RIDABAD SOLAR		
LCHER SOLAR		
AMAGUNDAM SOLAR		
RN SOLAR		
ADRI SOLAR		
ndhyachal R & M		nimenting.
ndhyachal V		39,30
ndhyachal III ndhyachal IV		
NDHYACHAL II		
nchahar III		
NCHAHAR II		
nchahar IV		50
nchahar R & M		- 2:
TPS R & M		
STPP R & M	37,000	
elangana	16,600	10,60
apovan Vishnugad	10.000	1,50
anda R & M	17,000	
anda II		3,4
ALCHER II		
ALCHERI	21,500	
SOLAPUR	100	9
SIPAT II		34,5
SIPAT I		
/indyachal Solar**	1,000	
/idhyachal Hydro** Singrauli R & M		
		20,1
Simhadari R & M		38,7
Simhadari II		
SIMHADRI		
Rihand R & M		31,4
RIHAND III		
RIHAND II	2,500	
Rammarn		
RAMAGUNDAM III	1,000	
RAMAGUNDAM SOLAR		
Ramagundam I&IIR&M		10,
Pakri Barwadih CMB	10,000	- 12
NORTH KARANPURA	15,000	
NCTPP R & M		31,
NCTPP II		- P.P.
NCTPP	6,500	
NCPS-FGD	6 500	
Mandsaur Solar	=0,000	
Mauda II	29,000	30
Mauda	6,000	
LOHARINAGPALA		
Lata Tapovan	10,000	
LARA I	10,600	
KUDGI-FGD	2,500	
Kudgi	21,500	
Korba R & M		9
KORBA III		18
KOLDAM	19,000	40
Khargone	13,500	
Kawas R & M		
KAWAS		

Name of the Company: NTPC Limited

Name of the Power Station : Barh Super Thermal Power Station Stage-II

Particulars					_				
1	3	3		5	_		5		
Source of Loan	5.625% Fixed Rate Notes due 2021°	4.75% Fixed Rate Notes due 2022#	ВТ	MU**		SBL NE	w york***		4.375% Fixed Rate Notes due 2024**
Drawal		2.00	E	11	3	11	III	IV	110005 000 2024
Currency	USD	USD	L	SD		100	JSD	10	USD
Amount of loan sanctioned	50,00,00,000	50,00,00,000		000,000			000,000		
Amount of Gross Loan drawn upto 17.02,2016 / COD	50,00,00,000	50,00,00,000	7,50,00,000	22,50,00,00	5,00,00,000		5,00,00,000	10.00.00.000	50,00,03,00
Interest Type	Fixed	Fixed	The second second	ating	2,40,00,00		pating	10,00,00,000	50,00,00,00
Fixed Interest Rate, if applicable	5.625% *	4.75%#		-		F-K	aung .		Fixed
Base Rate, if floating interest*		-	6 Mont	h LIBOR		2 14	th LIBOR		4.375%
Margin, if floating interest rate				.20					
Are there any Caps / Floor	NO	NO.		10	-		.85		
If above is Yes, specify Caps / Floor		- 110		-	_		NO		NO
Moratorium Period	10 Years	10 Years			_		-		4
Moratorium effective from	14-Jul-2011	03-Oct-2012	The state of the s	Years			Years		10 Years
Repayment period	Bullet payment	Bullet payment	The state of the s	c-2010			an-2013		26-Nov-2014
Repayment effective from	14-Jul-2021	03-Oct-2022		ears		1	Year		Bullet payment
Repayment frequency	One time	One time		n-2016		29-J	ul-2019		26-Nov-2024
Repayment installment	50,00,00,000	100000000000000000000000000000000000000		Annual			Annual		One time
Base Exchange Rate (17.02.2016)	69.14	50,00,00,000		4 Half Yearly Instalments		2. Half Yearly Instalments			
Are foreign currency loan hedged	NO NO	69.14		69.14		69.14			69,14
If above is Yes, specify details	NO	NO		NO .		- 3	NO		NO
							*		53
Name of the Projects	%	%	%	%	%	%	%	%	*
N-M							70	- "	76
Koldam	2.0570%	6.4273%							3,461000%
Sipat-I	1.0060%	1.0900%						***************************************	3,401000%
Bongaigaon	15,5700%	4.8526%		STATE OF THE STATE					1.935000%
Tapovan Vishnugad	1.6940%	3.1659%							
Rihand-III	17.5690%	9.5929%	13.69700%	17.93916%	1			8.38906%	1.095000%
Barh-II	19.3670%	2.7817%	14.15800%	31.38904%		Market Brown		12.62330%	
Vindhyachal-IV	19.7400%	10.6301%	19.78850%	17.77968%	†			13.58716%	1.457000%
Simhadri-II	2.3370%	3.9948%	11.11800%	7.47548%		*************		10.00/10%	
Mouda-I	20.6600%	8.4848%	41.23850%	25.41663%	†	E MICESUMOSE		0.010470	11
Barh-I		11.2669%						6.61617%	
Kudgi-l		5.0420%		***************************************		27 000 101		23.80681%	
Lara-I		15.2868%	***************************************			27.69642%	9.40359%	8.33242%	18.668000%
Mouda-II		3.6033%		***************************************		0.15026%	00.000		24.654000%
Solapur		5.4994%	***************************************			28.94482%	23.26666%	7.53019%	9.692000%
Vindhyachal-V			***************************************			14.89637%	10.07040%	5.57238%	13.495000%
Gadarwara					400.000000	19.72072%		13.64250%	5.351000%
Kawas R&M		4.4580%			100.00000%	8.59141%			7.783000%
Gendhar R&M	******************************	7.7500070					24.15102%		

Auraiya R&M	2 4361%	
Korba R&M	1.1375%	
North Karanpura		
Darlipalli		0,769000%
Tanda-II		2.433000%
Unchahar-IV		5.137000%
		4.070000%
Notes:-		18600-001010101000

- a) The Interest rate is exclusive of withholding tax currently @ 21.83%(Inclusive of surcharge & education cess)*
- b) The Interest rate is exclusive of withholding tax currently @ 5.4075%(Inclusive of surcharge & education cess)#
- c) The Interest rate is exclusive of withholding tax currently @ 10%(Inclusive of surcharge & education cess)**
- d) The Interest rate is exclusive of withholding tax currently @5.4075%(Inclusive of surcharge & education cess) on Mizuho portion (10% of Loan)***
- e) Base exchange rate are the SBI Bill selling rate as on 14.11.2014
- f) Distribution of loan package to various projects is based on utilisation of loan as on 14.11.2014



Year wise Statement of Addition	al Capitalisation after COD
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Name of the Petitioner Name of the Generating Station	NTPC Limited
COD	Barh Super Thermal Power Station Stage-II 08-03-2016
For Financial Year	2019-24 (Summary)

SI	MICHARAN INCOMES CO.		ACE CL	aimed (Actual / Pr	ojected)			Ai Ai	nount in Rs Lak
No.	Head of Work /Equipment	2019-20 (Actual)	2020-21 (Actual)	2021-22*	2022-23*	2023-24*	Total	Justification	Admitted Cos by the Commission
1	2	3	4	5	6	9			any
Α.	Works under Original scope, Change in Law etc. eligble for RoE at Nor	mul Rate					8	9	10
11	Conginal scope works of Plant & Machinery including givil waste	1,971.79	668.29	3475.00	0.00	0.00	211425		ilia —
125-1	Upgradation of HMI DCS (ABB)	0.00	0.00	0.00	0.00	600.00	6115.07		
111	New works (Installation of Roottop Solar, LED fixtures etc.)	391.43	55.31	0.00	0.00	0.00	600.00		1
IV	Capital spares capitalisation	3,369,82	1,523.97	0.00	0.00	0.00	446.73		
v	MBOA spares capitalisation	297.36	260 32	0.00	0.00	-	4893,79		
viii	Works towards augmentation of Railway infrastructure for transportation of coal up to receiving end of station.	-	-	39000.00	0.00	27465.00	557.68 66465.00	Provided in respective Form 9A.	
VII	Construction of storage shed for hazardous waste disposal	2 -	-	0.00	26,00	60.00	86.00		
viii	Zero Liquid Discharge system (ZLD)	E±	7.4	6,60	0.00	121.00	121.00		
D	Total (A)	6,030.39	2,507,88	42,475,00	26.00	28,246,00	JTREUVIA		
В	Decapitalization /adjustment			Tag 17 July	20,00	20,246,00	79,285.28		
1	Decap of spares part of capital cost.	1,643,17	-502.28	6		-	2045.45		
11	Decap of MBOA items part of capital cost	126.54	-32.29		-		-2145,45		
ш	Decap of Structures	120,07					-158.83	Unserviceable assets	
	Total (B)	1 700 74	-15.30		- 8		-15.30		
		1,769.71 -	549.87				2,319.58		
С	Works beyond Original scope extuding add-cap due to Change in Law el	ighle for RoE at V	Wtd. Average rate	c of Interest					
-	Total (C)	0.00	0.00	0.00	0.00	0.00	0.00		
D	Add: Discharge of Liabilities (D)	14026.15	3519.68	0.00	0.00	0.00	17545.82	Discharge of liabilities	
								exaction Re of manufactures.	
otal A	idd. Cap. Claimed (A+B+C+D)	18286.83	5477,69	42475.00	26.00	28246,00	94511.52		

	Name of the Petitioner Name of the Generating Station					NTPC	Lid			
	Station COD/ Date of Take over							al Power Station	Stage-II	
	For Financial Year					08,03.2	016			
					L LOWER WAY	2019-2				
SL N	o. Head of Work/Equipment	Accrual basis	lođ AS Adj.	Accruat basis as per IGAAP	ACE Claime Un-discharged Liability included in cut.	Cash hasis	IDC	Regulations under which claimed	Justification	Admitte Cost by t
1	2	3	3A	3B = 3+3A	4	5= (3B-4)	6	7		if any
A	Items claimed		MESONS.			2 (20-4)		-1		9
Al	Original Scope Works plant and mathinery (in	cluding chil Works)								
AL	Steam Generator Island & ESP	229.96	-197.80	32.17	0.60	32,17	0.00	25(1) along with Reg 76	Part of original scope, the work was completed before cutoff date with completion of facility on 17.02.2618, corresponding document attached of (Annexare-1). Further, the agency was required to complete the remaining small works such as outstanding trens/balance works, lests, defects etc. The current additional capitalization pertains to release of balance payment subsequent to rectification of balance works/defects, vendor discounting adj. etc. processed after cut off date. Hon ble Commission may be pleased to allow the same.	
ALZ	Turbine Generator& Auxiliaries	693,83	-693.83	0.00	0.00	0.00	0.00	25(1) along with		
A1.3	BOP Mechanical					25,420	2010200	Reg 76	Vendor discounting adj. towards work under Original Scope	
31	Ath Handling System & AWRS	14.06	0.00	34.06	8 67	25:38	0.00	25(1) along with Reg 76	Part of Original Scope, the work was owarded to M/s. United Machines fimited and. M/s DCIPS Por. Ltd. The agencies executing the original scope works of Ash Handling system and AWRS are in NCLT which has deligoed the execution of work, (refer Annexure_2). While major works under the package have been completed before cutoff date, the current additional capitalization penalists to balance works and release of payments to sub-vendors on basis of conflict letter from agency. Horfish Commission may be pleased to allow the same.	
2	Coal Handling System	1007.92	0,00	1007-92	4.19	1003.73	0,00	25(1) along with Rog 76	Part of original scope, the work was completed before cutoff date with completion of facility on 15.92 2018, corresponding document attached at (Anaexare-3) and the agency was required to complete constanding items/halance works, tests and defects of the original scope towards the completion of facility and PG test of original scope works of Coal Handling carried out before out-off date. The current additional capitalization pertains to release of balance payment subsequent to halance works/defects out-rectification processed after out off date. Hon'ble Commission may be pleased to allow the same.	
3	Station Piping	0.24	0.00	9.24	6.23	0.00	0.00	25(1) along with Reg 76	Part of original scope, the work was completed before cutoff date with completion of facility on 14.02.2018, corresponding document attached at (Annexure-4) and the agency was required to complete outstanding items/halancy works, tests and defects of the original scope rowards the completion of facility of Station piping carried out before out-off date. However, the agency (Mr. Unitech) executing the works is in NCLT attached at Annexure_2. The current additional capitalization pertains to referse of balance payments to sub-versions subsequent to halance works/defects etc. rectification processed after cut off date. However, may be planted to allow the same.	
	Air Candition & Ventilation System	105	0.00	3.05	0.46	2.59	e.00	25(1) slong with Reg 76	Part of original Scope, the works are part of original scape of airconditioning and vemiliation related to Air water room commissioning & ducting at TG, BC bay & ESP locations of Plant area. TG and part BC & ESP works of the system was completed and commissioned before not of date and expiralized (Annexure-5). The current expenditure pertains to release of balance payments subsequent to balance works/defects etc. rectification processed after out off date. How the Commission may be pleased to allow the same. Further, the balance works of part HC & part ESP in plant area got delayed due to Covid-19, as these are non COD related balance works though necessary for the long-term operation of the generating units, the petisioner will claim balance works at time of training up. Hon/bit Commission may presse give liberty to claim the same of the time of Toseup.	

Titendre

5	Fire Fighting System	2.62	0.00	2,62	0.37	2.05	0.00	25(1) along wit Reg 76	Part of Original Scope, the work was awarded to M/s. United Machines limited. The agency executing the original is ope works of furfighting system is in NCLT which has delayed the execution of work, refer Annexure, 2, Work is being executed through direct payments to sub-vendors on basis of constort letter from agency. These works are required for safety and security of station as per CEA Regulation, 2010 for construction of power plants. However, the property of station as per CEA Regulation, 2010 for construction of power plants.
	TOTAL BOP Mechanical	1047.88	0.00	1047.88	14.13	1033.75	0.00		The state of the s
AL	4 Civil works							1	
1	Main Plant/ Admn. Bldg.	255,52	0.00	255,52	27.01	228.50	0.00	25(1) along with Reg 75	related to flooring, painting, finishing etc. were taken up after completion of facility of Steam Turbine generator package on 20.01, 2017, corresponding document attached at Assessment Bulletin and Completion of Steam Turbine generator
ľ		160.29	9.00	160.29	23.05	137.24	0.00	25(1) along with Rog 76	out off dine
2	CW & Makeup water System	99.81	0.00	99.81	0.00	99.81	0.00	25(1) along with Reg 76	These works are part of original scope of works and majority of works were executed before the cut off date with completion of facility on \$11.08.2018, corresponding document attached at Annexare-7 and the agency was required to complete occatanding balance works and defects of the original scope. Further, hinderances created by local people on fand compensation issue for fiver bank protection and land filling in makeup water corridor works affected the halance work execution. Letter regarding hinderance by local people from the executing agency. Nagations Construction Company Ltd (NCCL) are attached at Annexare-8. The current additional capitalization pertains to release of balance payment processed after out off date. Hon'bic Commission may be pleased to allow the same.
3	Township & Colony	59.96	0.00	59.96	0.00	59.96	8.01	25(1) along with Reg 76	These works are part of original scope of works and were executed before the cut off date. The correct additional capitalization pertains to release of balance payment processed after our off date. How the Commission may be pleased to allow the same.
e#	Road & Drainage	121.68	0.00	121.68	0.00	121.68	0.00	25(1) along with Reg.76	These works are part of original scope of works and were executed before the cut off date. The current additional capitalization pertains to release of balance payments: processed after out off date. Hon'ble Commission may be pleased to allow the same.
5	Interconnection ECR	258.67	0.00	258.67	0.00	258 67	0.00	25(1) along with Reg 76	The balance capitalisation is towards original scope works of S&T corried out before out-off date. The current additional capitalization pertains to release of balance payments processed after out-off date. Howble Commission may be pleased to allow the same.
	Total Civil works	955.93	0.00	955.93	50,05	905.87	8.01		
	Sub Total (A1)	2927.61	-891.63	2835.98	64.19	1971,79	8.01		
A2	New Works						32.7		
A2,1	Installation of ReofTop Solar PV system	40.95	0.00	40.95	1.95	39.00	0:00	Rest 26(1) (b)	Installation of most sep solar would reduce energy consumption of the station and help in reducing APC of station, benefits of the same have been reoped by the beneficiaries. Please refer to Para 54 of the petition. In a similar case, Hon'ble Commission in its order dated 11.07.2020 in petition in. 270/GT/2019 has considered the additional capital expenditure incurred and stated as under: "21. Considering the revolve of the Control Generation to promote resemble energy and in terms of Regulation 861 of the 2014 Yarriff Regulations which provide for thorug of gains in respect of variation of Auxiliary Energy consumption (b) way of linear ECR because of lower auxiliary consumption in comparison to momentive auxiliary consumption), we allow the additional capital expenditure of Rs. 35 lable incurred by the Petitioner amounts the installation of Solar Power Roof Top System."



A2.2	Installation of LED Lighting Fixtures			12					Hon'ble Prime Minister of India on 05.01.2015 launched National LED Programme with an objective to reduce energy consumption by using energy efficient lighting. In line with the objective, Unnat Jyon by Affordable LEDs for
		352.43	0.00	.00 352.43	0.00	352.43	0.00	Reg 25(1) (b) along with Reg 76	Gol vide fetter dated 20 d8,2017 NTPC was mandated to replace all old bulbs with LED bulb in all NTPC building including compound' street lighting occupied by NTPC. Any directions of Government of India is required to the compound' street lighting occupied by NTPC. Any directions of Government of India is required to the compound's street lighting occupied by NTPC.
_	Sub Total (A2)	393,38	0.00	393,38	1.95	391.43	0,00	1	The state of the s
A3 A4 A4	Capital spares capitalisation	3605.27	0.00	3605,27	235.45	3369,82	0.00	Reg 24(1)(c) with Reg 76	P.O. for these capital spores within original scope was placed, before the cut-off date of untion i.e. 31.03.2019, some of these purchase orders are placed at Annexure-9. However materials were in transit and received in store after out-off date. The receipt of these spares was delayed beyond cut-off date due to normal lead time in delivery of capital spares, imported type nature out. Also, spares are must for efficient and sustained operation of the station and are replaced with time for availability of system. Horible Commission may be pleased to allow the same.
	MBOA capitalisation								
	1 Miscellanesus Tools & Tackles (P&M) etc.	346.37	9:00	A 80 mm	2,000	varya sanah	7500000		These are the miscellineous assets which have been bounded.
	temper (see a second factor) etc.	249.37	0,00	346.37	85.28	261.09	9.00		These are the miscellaneous assets which have been bought and capitalised to replace such assets whose life is not commensurate with the useful life of the plant and have been decapitalised. Purther, to replace such assets of minor nature, Regulation 25(2)(a) has been provided in ficu of Compensation Allowance. Therefore, capitalisation of theses MBOA assets of minor nature may please be allowed accordingly under Reg. 25(2)(a)
At	2 Communication Equipment	13-14	0,00	13.14	10.31	2.83	U.0G		
002	3 Other Office Equipments & Furniture	33.63	0.00	33.63	0.19	33.44	0.00	Reg 25 (2) (a)	
	Sub Total (A4)	393,14	0,00	393,14	95.78	297.36	0.00		
	Decap of MBOA items part of capital cost	-49,52	-77.02	-126.54	6.90	-126.54	0.00		
	Package FERV								
	BHEL-SG	1051.41	0.00	1051,41	1651.41	0.00	6.00		
A6	BHEL-ESP	15.65	0.00	15.65	15.65	0.00	0.00	25(1)	
40	BHEL-TG	534.56	0.00	534.56	534.56	0.00	0.00		These are reinstatement of liabilities due to Foreign Exchange Rate Variation corresponding to Original Scope of works. Hortble Commission may be pleased to allow the same.
	ABB India Limited	13.95	0.00	13.95	13.95	0.00	0.00		
	UNITECH MACHINES LTD	3,94	0.00	3.94	3.94	0.00	0.00		
	Sub Total (A6)	1619.51	0.00	1619.51	1619.51	0.00	0.00		
A7	Decap of spaces part of capital cost.	-1,447,66	-195.51	-1643,17	0.00	-1643.17	0.00	Reg 35(2)	Those spares were part of capital cost, have become unservaciable. Therefore, to be removed from capital cost after
	Subtotal Add Cap (A1 to A7)	7441,73	-1164.16	6277,57	2016,89	4269,65	2.01	10.776.00000	de-capitalization.
A8	Add: Discharge of liability corresponding to allowed/Claimed works						0.00	Reg 25(1)(f)	Denails in Form 18 i.e. Liability Flow Statement
	Total of Additional Capitalization (A)	7,441.73	- 1,164.16	6,277,57	2,016.89	18286.83	8,01	39 COM	

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	Name of the Petitioner Name of the Generating Station					NTP	Ltd						
	Station COD/ Date of Take over					Barth Super Thermal Power Station Stage-II							
	For Financial Year					04.03.	0114	L'Aner Statistic Still	(6)H				
	TOTAL TOTAL				300-31								
Or					ACE Claimed (/	ectual for 20	20-21)						
SI. No		Account basis	lmi AS Adj.	Accrual basis as per IGAAP	Un-discharged Liability included in cel. 3	Cash basis	IDC included in cal. J	Regulations under which claimed	- Junification	Admitted Cost by the Commission,			
1	1		3.4	3R = 3+3A	4	5= (38-4)	-	4		any			
۸	forms claimed		11-1020-0-20			- ton-st		1	A	0			
A	Original Scope Works plant and machinery (in												
	BOP Mechanical	cluding civil Wo	rics)										
	The state of the s												
ř	Ash Handling System & AWRS	84.67	0,00	84,67	5.22	79.45	0.00	25(1) along with Reg 76	Balance capitalisation of works claimed in 2020-21 Justification growthed in Form 9 of 2019-20				
		45.93	0.00	45.93	45.74	0.19	6.00	25(1) along with Rug 76					
3:	Station Piping	39.67	0.00	39.67	0.00	39.67	0.00	25(1) along with Res 76	Balance capitalisation of works claimed in 2020-21, Junification provided in Form 9 of 2019-20				
3	Air Condition & Ventilation System	0.69	0.00	0.60	0.60	0.00	0.00	25(1) along with Reg 76	Balance capitalization of works claimed as 2020-24. Junification provided at Form 9 of 2019-20				
	TOTAL BOP Mechanical	170,87	9.00	170.87	51.55	119,32	0,00	et gra	7 Police Committee at 2020-21, Financiation provided in Form 9 of 2019-20				
ΔLZ	Civil works												
1	Main Plant: Admn. Bidg.	11.37	0.06	11.37	0.00	T1:37	0.00	25(1) along with	• • • • • • • • • • • • • • • • • • • •				
2	Township & Colony	0.25	9.00	0.25	0.00	0.25	0.00	Ray 76 25(1) along with	Balance expensions of works claimed in 2020-28. Justiliantian provided in Form 9 of 2019-20				
	Tetal Civil works	11.62	0.00	11.62	0.06	11.62	0.00	Reg 76: 25(1) along with	Balance capitalization of works claimed in 2020-21. Justification provided in Form 9 of 2019-20				
				1000000	1000	11.02	9.011	Reg 76					
MA	Online coal Analyzee	569.73	0.00	569.73	.79,11	450 62	9.00		MOEF Vide OM dated 26.08.2015 (Annexure 10.) had mandated all coal based thermal power plans with installed capacity of 100 MW and above located at a distance of 500 kms and above from coal source for tampling and analysis of coal and reporting of complinate in respect of use and supply of mic or blended real with ash costors not exceeding 34% as content in road. It is also directed that real time members using such mochanical sampling (online) from moving stream of coal to be used for sampling feels. As the present station is located at a distance from the limited mine and also source coal from other mines under flexible coal additional scheme, the putitioner has to necessarily incur the expenditure for installation on ealine coal analyser to comply with the direction of MOEF, Gol. PO for some was awared within cut-off period but delivery of the equipment was delayed to to the fact that Coal analyser is fitted with redocative source, hence due to safety reason it is required by AERB. NOC for some was issued by AERB for import of coal analyser in FY 20-21 (Annexure 11). In a similar costs, Host bia Commission in its order dated 12.12 2021 in Petition No. 438/CIT/2020 has considered the additional capital expenditure incurred and stated its under "30. The matrix has been examined. The MOE/E/GC/CM detail 20.8, 2015 mandates that all coal-based discreasi power pixels with an intentiest expecting of 100 MW or obove and located between 300-749 km from the pix heart proposal with analysis of 12-481, in againsty correspond to the frontier and with anh content on a capacitage date in the coal analysis with an intenties of 24-481, in againsty correspond to the frontier of the coal area for generation. Since the Perintenter was now required in manuser the ask content of the coal area for generation. Since the Perintenter is a supersoning that on the coal analysis of the coal area of the coal and with ash content may exceeding that provide the posted and analysis and additional copinalization claimed by the Petitioner to				

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	Name of the Petitioner Name of the Generating Station						Clan			
	Station COD/ Date of Take over					Borts	Super Therma	Power Station Sta	ge-II	
_	For Financial Year					08.01.				
			1		ACE Claimed (2020-2				_
SI, N		Accrual basis	Ind AS Adj.	Accruat basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IBC included in col. 3	Regulations unde which claimed	Justification Co.	Admitte ost by t
1	2	3	3A	38 × 3+3.4	4	5-(38-4)		7		amy
	i					1000000	-		9	9
ALS	Automatic Generation Control (AGC)	51.45	0.00	51.45	4,72	46.73	(0.48)	26(1)(b)	Histoble Constitution in its order dated 25.01.2022 in Petition No. 418/GT/2020 htm considered the additional impital expendation incurred and stated as under. "37. The submissions have been considered. It is observed that the Abal-FdCC munification aloned 28.0 2013 mentions all earl based thermal power planus for incupling, analysis of conditions of content not considered and incurred in programme in receptor at a observed to a programme in the content not exceeding. 34%. In this background and inner the generating seation is forested at observed 60% for the projected and Millional capital expenditures claimed by the Petitioner is allowed under Regulation 26(1)(b) of the 2019 Tariff Regulations." Accordingly Hordble Commission may be pleased to allow the same. AGC has been implemented in quangliance with Hardble Commission direction vials order dated 18.08.2019 in printion to 319/RC/2018. Orders is attached at (Aninexine_13). It is admitted that Hordble Commission in its order dated 27.09.2022 in Petition No. 350/GT/2020 of Bhilla Expension Fower Plant has considered the additional expenditure incurred on implementation of AGC and stated as under. "If The matter has been commission had directed as made." "If the matter has been expended. It has been observed that in order during 2.8.2019 in Petition No. 319/RC-2018, the Commission had directed as made." "All thermal IXXS mattern with unrealisal expensions of 200 ARV and observed will highly a sustions having generating matter and whose world is determined as adopted by Petition Projects interpretation in interface of the generating matter and whose world is determined as adopted by PLEC. BLEC and the interface of the period of the control of this order." 19. It is therefore evaluate that for additional expenditure claimed by the Petitioner is for compliance to the directions contained in order during the programment of the control of the control of the commission may be pleased to allow the commission and has allowed claim in smile cases. How the loss	
	Subtotal (A1)	803.66	6.00	#03.66	135.38	668,29	0,00			
A2	New Works				I SAMOO	, , , , , , , , , , , , , , , , , , ,	ALTERNATION .			
12.1	Installation of LED Lighting Fixtures	55.31	0.00	55.31	0.00	55,31	6.00	Reg 26(T) (b) along with Rey 76	Balance capitalisation of works claimed in 2020-21, Justification provided in Form 9 of 2019-20	
A.3	Capital spures capitalisation	1661.99	0.00	1661,99	134.02	1523,97	0.00	Barriera Santana	Bolance capitalisation of works claimed in 2020-21, Junification provided in Form 9 of 2019-20	
14	MBOA capitalisation							alongwith Reg 76	2020-61, Americanon provided in Form 9 of 2019-20	
4.1	Miscellaneous Tools & Tackles (P&M) etc.	77.25	0.00	77.25	5.27	71.97	0.00		There are the miscellaneous arress which have been bought and capitalised in replace such assets whose	
4.2	Construction Equipments	181,89	0.60	181.59	2.74	179.15	0.00	U.	such assets of minor nature. Resultation 25/23(a) has been accorded to 10 and 10 feet from the replace	
**	Other Office Equipments	2.75	0.00	2.73	2.52	0(23	11.00		Therefore, capitalisation of theses MBOA masts of minor nature may please be allowed accordingly under Reg. 25(2)(a)	

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	Name of the Petitioner Name of the Generating Station					NTP	C Lad			
- 53	Station COD/ Date of Take over							Power Station Sta	re II	
	For Financial Year					49,03.	1916			
						2420-2	1			
St. No.	122/02/02/03/03/03/03/03/03				ACE Claimed (Actual for 20	20-21)			
		Accrual basis	Ind AS Adj.	Accrual basis as per IGAAP	Un-discharged Liability included in col. 3	Cash basis	IDC included in col. 3	Regulations unde which claimed	Justification	Admittee Cost by th
1	2	3	3A	3B = 3+3A	4	- TANK 11	11-10-2000			Cammission
A4.4	Furniture & Fixtures	4.85	0.00	4.85	0.00	5-(3B-4) 4.85	0,00	7	8	any 9
A4.5		2,93	0.00	2.93	2.99	0.00	0.00	Reg 22 (2) (a)		
A4.6	EDP, WP machines and satcom equipment etc.	4.50	0.00	4.50	0.38	4.12	0.00	DOUGHAMAE VIII	1	
	Sob Tetal (A4)	274,16	0.00	274.16	13.84	260.32	9.00		20	
A5	Decup of MBOA items part of capital cost	-26.41	-5.88	-32.29	6,00	-32.29	0.00			
An	Parkage FERV							<u></u>		
A6.1	Fire Fighting -Unitech Machines Ltd.	-1.25	0.00	-1.25	-1.25	0.00	9,00			
A6.2	C&I- ARR	-4.43	0.00	-4.43	-443	0.00	800		Variation and the second and the sec	
A6.3	TG - BHEL	285.00	0.00	285,00	285.09	0,00	0.00	25(1)	These are reinstalement of liabilities due to Foreign Evaluage Rate Variation corresponding to Original Scope of works. Horsbe Commission rate be pleased to allow the same.	
A6,4	SG - RHEL	92.21	0.00	92.21	92.21	0.00	0,00			
	Sub Total (A6)	371.61	0,00	371,61	371.61	00.0	0.00			
		-								
A7	Ducup of spares part of capital cost.	-399,76	-102.52	-502.28	9.00	-502.21	0.00	Reg 25(2)	These spares were part of capital cost, have become asserviceable. Therefore, to be removed from capital cost after de-capitalization.	
A8	Decap of Structures	-9.57	-5.73	-15.30	0.00	-15.36	0.00		These, were part of capital cost. Therefore, to be removed from capital cost after de-capitalization.	
	Subtotal Add Cap (A1 to A8)	2731.00	-114.13	2616.87	659.85	1958.62	0.00			
A9	Add: Discharge of liability corresponding to allow	ed works				3519,68	0.00	Reg 25(1Xf)	Details in Form-18 i.e. Liability Flow Statement	
bistal	of Additional Capitalization (A)	2731.00	-114.13	2616.87	658.85	5477.60	0.00		Sandray, Frank Aussentein	

							Na. 13 22 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PAR
Sar	ne of the Peritment			Thirties of the Land			Year wise Summent of Additional Capitalisation after COD	PANES
Mar	so of the Generaling Station			NTPC Lambs		Wester, Stage-II		
XII				98-02-1016	Chicago Leads	Homes Stage-II		
Ħ.	Phonesial Vene				ant Properties			
51				C. R. G. C. 177	STORY STORY	200 00000		_
No.			ACE China	and (Activity)	Projected)	Regulations		have been dealer than the
	Hond of Work Æquapment	Accreal books as per	Un-discharged Linfolity	Calcture	IDC included in	under which claimed	Nasalization	Admitted Cost by th
1		HGAAP	included in ror. 3	STATUTE .	col. 3			Commanu
		- 3	4	5= (3-4)		7.		
÷	Works under Original scope, Change in Lew e	c, eligible for	RoE at Normal	1 libric				- 6
•	Original scope Works of Plant & Machinery is	clutting civil	narks.					-
1	Payment of Teasonisson Devianos Charges - that-4 for percel 15.11.2914 so 07 mt 2016-4 peur to COO + 6.08,00.2010)	547.5 mi		3475.00		27(2) (6) along with Rag 76.	It is submood that the How by CERC wide as order dated 20.05 20.75 to position an 1300MIV2013 had period the COD date of Unit 4 (660MIV) of Back 5TP5-II as 08.05 2016. Consequent to the above order, EBPC on 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period for Back 5TP5 Line 1.05 2018 by EBPC for this period on 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this period for Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this Back 5TP5 Line 1.05 2019 by EBPC for this period 5TP5 Line 1.05 2019 by EBPC for this period 5TP5 Line 1.05 2019 by EBPC for this period 5TP5 Line 1.05 2019 by EBPC for this period 5TP5 Line 1.05 2019 by EBPC for this period 5TP5 Line 1.05 2019 by EBPC for this period 5TP5 Line 1.05 2019 by EBP	
11	Works towards augmentation of Railway infras	ructure for to	ransportation of	f cost up to r	receiving and	of stations.		
							In Burk Suge-If major betileneck in rate novement is encountered in the two surface creamings in Manque and Bakhnyarpur.	_
*	fiskhtivagur Froner including 3rd fruc & sufface Triangle	25000-00		25000.00		19(3) (c)	The meface consumption a basis section in a time of consuming pairway as the mid smaller (both goods as well as proscorage reason) conversal in both direction secols to be haltest. Further, as the Mangar-Bakesympur line is an electrified, take converses is half up for change of Local This takes large time for movement of east rakes and hence continuous cost supply to the aution gots. It is substitude that for exporting suscepted each supply from each mines on Hardkard to the form Supple, occasion of now rait infrastructure and augmentation of existing tail mayorit is required for account of success of flowers as Bakhdapapar including that line & surface triseogie. It is substituted on the earth of the part of the form of the earth of	



							Constanting of the Constanting	PAR FORM
-	of the Pessional			INVESTIGATION	el.	_	Year now Statement of Additional Capitalisation after COD	- III
:00	of the Generalitae Number				Thornal Ferror	Stefan Step-II		_
	annual Vene	_		19.43.7016	Control of the control	A STATE OF THE PARTY OF THE PAR		
			1	2821-22 As	tast Projected)			
51.			AFFF	ned (Actual)	Particular III	400		
No.		-			PROJECTORY	Regulations utilize which	At A state of the	Admitto
	Hoad of Work /Equipment	Accrusi Issus as per IGAAP	Liability	Cash basis	noc sucheded in cot. 3	claimed	Jentification	Cost by ti Communi if ney
1	1	- 3	4	5+ (3-4)	6	.7		
							station that the record of Scales are the control of Scales are the co	9
	Manque-Tilaiga flyever Elecunfleation of Manque-Tilaiga - Bakkinyoqur	0.00 14/60.00		8,00) 34000.00		P(3) (e)	hating that the request of 5 rates per day could not be may without informative measure and in the scheme. The is maintain of Rathunya to extend the forestant above and infinational markets are second of the scheme and scheme and scheme and advances of Rathunya to Academy and the above and infinational markets introperation of could not be signing as facilitated. The perimeter has already given an advance of Rathuny for carrying out these works of capital nature, hated on which satimops has already developed (augmented these infinational markets) put to use. The amount claimed is beaut on completion of these works of capital nature, hated on which satimops has already put to use. The amount claimed is beaut on completion of these works in subsequent years, refer auditor conditions attached at (Amounted-D). The Current which is: (i) Balkingour Statutes triangle and 3rd line is in service. Plyone work in advance stage of completion. (ii) The Managar Statutes triangle and 5rd line is in service. Plyone work in advance stage of completion. (iii) The Managar Statutes triangle and 5rd line is in service. Plyone work in advance stage of completion. (iii) The Managar Statutes triangle and 5rd line is in service. Plyone work in advance stage of completion. (iii) The Managar Statutes work of Managar-Talaya-Balking apput line completed. Further, the above infination work of Managar-Talaya-Balking apput line completed. Further, the above infination work of Managar-Talaya-Balking apput line completed. Further, the above infination work of Managar-Talaya-Balking apput line completed. Further, the above infination work of Managar-Talaya-Balking apput line completed. Further, the above infination work of Managar-Talaya-Balking apput line completed. Further, the above infination work of Managar-Talaya-Balking apput line completed. Further and the above infinite infinite section of managar-Talaya-Balking apput in the extension of the section of the section of the position and the proportion of the position and the a	
	SUR Tend II	79000,00	11,00	39000,01	0.00		The state of the s	
	Total (A)= (I+II)	42,475.00		42,475,00				
B. 1	Works beyond Original scope exhaling add-cap	due to Chan	prin Law eligi	ble for HoK a	Will Average	e care of Interes		
1				-	T	THE TOTAL PROPERTY.		
	Totali (B	- 0		7.8	-			
	Total Add. Cap. Claimed (A+B)	42,475,00		42,415,00				
ites:	The details regarding Liability included, EX., D	ecapitalismin	n & Exclusions			аГено-ир.		
							245	Mele

					Vasanda	Maria de la compania		PART
Name	of the Petitioner			NTPC Limit	1 car wise	Statement of Additi	onal Capitalisation after COD	FORM
COD	of the Generating Station					Station Stage-II		
	nancial Year			08-03-2016	a merimai Puwei	Station Stage-II		
CALCA	mancas rear			2022-23 (Pro	jected)			
St. No.			ACE Clain	ed (Actual /	Projected)	Regulations under		
			Land Agency Control of the Control o		1	which claimed	A	mount in Rs La
	Head of Work /Equipment	Accrual basis as per IGAAP	Linbility	Cash basis	IDC included in col. 3	which classes	Justification	Admitted Cost by th Commissio if any
1	Waster J. O. J. 2	3	4	5= (3-4)	6	-		20000
111	Works under Original scope, Change in Law etc	eligble for	RoE at Normal	Rate		MC (8	9
1	Construction of storage shed for Hazardous Waste disposal	26.00		26.00		Reg 26(1) (b) & (d) with Reg 76	The management of municipal solid waste/Hazardous Waste/E-Waste/Plastic Waste/ Bio-Medical/Battery waste etc. are the most important obligatory functions of the any industry & urban local bodies. Hazardous waste poses threat not only to the environment but also to the human health. Further, in view of the safety concerns, the storing and handling of hazardous wastes (like used oil/lube oil, used oil filters, oil contaminated waste etc.) in an environmentally sound manner is necessary. Hazardous waste cannot be kept in open condition and needs to be landled based on based on Rules notified by the Ministry of Environment, Forest & Climate Change, Govt. of India time to time for categories as per schedule. As per provisoins of Hazardous and Other Wastes (Management and 1986 hazardous wastes are to be managed in environmentally sound manner. In compliance of above the petitioner shall incurr the said expenditure for construction of storage shed. Hon'ble Commission may be pleased to allow the same.	
	Fotal (A)= (I)	26,00		26,00				
В.	Works beyond Original scope exhiding add-cap d	lue to Chance	e in I we aliable		20.1			
			on each engine	for ROE at	Wid. Averag	e rate of Interest		
1	otal (B)	94	(2)					
	dd. Cap. Claimed (A+B)	26.00		25.00				
tal A	The details regarding Liability included, IDC, Dec.		-	26.00	-	27		

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For Foundal SI No. A. Work Origin	Generating Station	as per IGAAP I L eligible for R	ACE Claim Un-discharged Liability included in cold 4 oe at Normal	98-43-2016 2823-24 (Project (Actual / J Cash bases	retral Power retral rojected) IDC included in col. 3	Station Stage-II Regulations under which claimed	t of Additional Capitalisation after COD	ount is Re La
For Foundal SI No. A. Work Origin	Year Head of Work /Equipment 2 23 uniter Original scope, Change in Law etc.	as per IGAAP I L eligible for R	ACE Claim Un-discharged Liability included in cold 4 oe at Normal	Back Super Ti 48-43-2016 2823-24 (Project (Actual / J Cash bases	retral Power retral rojected) IDC included in col. 3	Regulations under	Ass	ment in Ha La
SI No.	Head of Work Æquipment 2 x under Original scope, Change in Law etz	as per IGAAP I L eligible for R	ACE Claim Un-discharged Liability included in cold 4 oe at Normal	2023-24 (Project of (Actual / J Cash bases	rojected) IDC included in col. 3			unit is fit La
I A. Werk I Origin	2 to unider Original scope, Change in Law etc	as per IGAAP I L eligible for R	Un-discharged Liability included in col 3 4 oE at Normal	Cash bases	IDC included in col. 3		A98	ount in Re La
1 A. Works 1 Origin	2 to unider Original scope, Change in Law etc	as per IGAAP I L eligible for R	Un-discharged Liability included in col 3 4 oE at Normal	Cash bases	IDC included in col. 3		Att	count in life Las
A. Werks	2 sunder Original scope, Change in Law etc nul scope Works of Plant & Machinery inc	I r. eligible for R duding civil w	oE at Normal	5= (3-4) Rate	100000000000000000000000000000000000000		Junification	Admitted Cust by the Commission
1 Origin	nul scope Works of Plant & Machinery inc	clighte for R	oE at Normal orics.	Rate	6	7		if any
	nul scope Works of Plant & Machinery Inc.	duding civil w	ortes.					9
1 Upgras				-				
	dation of FIMI DCS system (ABB)	440.00		600.00		25(2) (C) along with Reg 7ti	The DCS worksteinus Human Machine Interface (HMI) are based on Microsoft Windows XP Operating platform. Microsoft has declared Windows XP as obsolete and has withdrawn the support for all XP based systems including amounts accurity updates, non-security heathest. In the absence of such support from Microsoft one cannot update the critical virus definition files until this, nuises the system vulnerable for the system recurity. Hence, the system needs up-gradation to higher version of Windows platform to ensure improved reliability and availability and availability and availability and availability of availability of document (Annexiate-14). DCS work stations needs to be upgraded to latest operating system due to relational obsolutor and cyber security issues to ensure smooth functioning of plant, refer CEM vulnerabilities. It is submitted that the Hon-bit Convenission vide its arriar dated 22.09.2022 in petition 489/07/2020 for ICSTPPS, in perition 390/07/2020 for Reliability and and 29.03.2021 and in upgradation of EIMI DCS system. Hon-bit Contrassion may be pleased to allow the same in instant station.	
II Works	s towards augmentation of Railway infrast	ructure for to	insportation of	coal up to re	criving end	of station.		
(Manpu	ir-Tilaiya flyuver	27465.00		27455.00		19(3) (e)	Balance capitalisation of works claimed in 2023-24. Junification provided in Form 9 of 2021-22.	
SUB To	Total (11)	27465.00	0,00	27465,00				
Constru disposal	uction of stimuge shed for Hazardius Waste	60.00		60.00		Rog 26(1) (b) & (d) with Reg 76	Balance capitalisation of works claimed in 2023-24, Junification provided in Form 9 of 2022-23.	
IV Zero Lii	quad Dischaege system (ZLD)	121.00		T21.00		Reg 26(1) (b) with Reg 26	Bihar state pollution control board has manadated for implementation of Zero Liquid Discharge for Li04 and U85 of Bark -E vide consent order dated. 20.09, 18 and 12.03,19 refer Para. 39 of petition. Hon'ble Commission vide its order dated 08.01, 2022 in Pention No. 408/67/2020 and in order dated 27.09, 2022 in Pention No. 398/GT/2020. Res considered similar additional capital expenditure accurated in order to ensure compliance with directions of SPCB. How ble Commission may be pleased to allow the some under Change in Law under Reg. 20(1)(b) with Power to relace.	
	Total (A)= (1+H+H+IV)	28,246,00		28,246,60	-			
B. Works i	beyond Original scope extuding add-cup do	ar to Chance	in Law effects	for the same	ar v	SUSTRIBUTES		
Total (B		- to cominge	m slaw engale (or not at W	td. Average	rate of Interest		
	sp. Claimed (A+B)	25.246.00	-	28,246.00				
	tetails regarding Liability included, IDC, Deca		Destroit					-
1. 110 0	garante constant account to C. Deca	geranization & I	exclusions to be	submitted at i	the same of the	іе-ир		

Barh Super Thermal Power Station, Stage-II: Reconciliation of Additional Capitalization with Balance Sheet

Summary of Gross Block Reconciliation (2019-20)

Sr.	2.20					Amount in Rs Laki
Sr. No.	Particular	Total	Stage I	Stage II	Stg-I capitalised with Stage-II	
101	Closing Gross Block as per Books as on 31.03,2020	10,52,045.22	29,267,61	9,00,826,65	1,21,950.95	
2	Opening Gross Block as per Books as on 01.04,2019 *	10,31,028,20	26,095.09	8,83,414.14	1,21,518.97	
1	Total Addition During the Year as per books (Ind-AS)	21,017.02	3,172.52	17,412.51	431.98	
į.	Ind-AS Adjustment	-2,745.94	-5.34	-2,656.75	-83.86	
ě	Total Addition During the Year (3+4) (IGAAP) BARH	18,271.07	3,167,19	14,755,77	348.12	

Difference in Cosmo Black in 2018-19 closing and 2019-30 opening that to COU origination of 31 100 Cr show in backs draine 2018-(8 name and committee original origin

		20	Year wise Statement of Add	itional Capitalisation of	er COD				Annesur
	Name of the Petitioner				NTPC List				Amount is
	Name of the Generating Station Station COD/ Date of Take over				Barh Super Thermal Pewer Statio	in Stage-11			
	For Financial Year				08.03,2016	OVIVATE TO THE			
					2019-20				
Sl. No	Hend of Work /Equipment	Farty Name	DANSE COLLEGE STORY CONTROL OF	Varietiesenere	ACE Claimed (Actual for 20)	Un discharged	-		F-90 (44.000)
-	SVAL-	5200,300,000	Accrual basis as per Note 2	Ind AS Adj.	Asserted basis as per IGAAP	Linbility	Casti busin	IDC included in vol. 3	Jentification
-	2		3	3A	3B = 3-3A	4	5+ (3)1-4)	6	7
Δ	Claimed Items						in the second		
	Original Scope Warks								
ALL	Steam Generator Island & ESP	in the second se	1.97,79,757	-1,97,79,757	TW.	9	al		
Other	steast tieneratur issina w ESP	BHEL on	32,16,645		32,16,145		0		
		Sub Total	1,29,96,462	2 200 20 200			32,16,645		
		par remi	2,29,76,402	-1,97,29,757	32,16,645		32,16,648		
1.7	Workford Commenced in the Commenced in t	Live -							
Mid.	Turbine Generator& Ausiliaries	BHEL etc.	4,93,83,409	-6.93.83,400	4	.01	0		
_		Sub Total	6,93,83,409	-6.93.83,409		0	0		
41.3	BOP Mechanical								
T	Ash Handling System & AWRS	DC Industrial , UNITECH MACHINES LTD	G-042802	2.1	F 55 00 - 1				
	The state of the s		34,315,6917		34,03,097	8,67,492	25,34,205		
2	Coal Handling System	TREAL CALCUITA ELECTRIC MOTOR REWINDING	10,07,91,919	0	10,07.91.919	4.19.303	10,03,72,615		
3.	Station Piping	UNITECH MACHINES LTD	. 23,878	0	23,878	23,401			
4	Air Condition & Ventilation System	C DOCTOR & COMPANY PVT LTD-ex	3,95,213	0			477		
4	Fire Fighting System	UNITECH MACHINES LTD			3,05,213	45,743	2,59,430		
		The state of the s	2,61,766	0	2,61,766	57,000	2,04,766		As per Form !
_	TOTAL BOP Mechanical	Selt Total	19,47,58,473	0	10,47,88,472	14,12,979	10,33,75,493	7	
Δld	Ciril works								
i.	Main Plant/ Admn. Bidg,	NAVAYUGA ENGINEERING CO LTD, UNIQUE POWER TECH ENGINEERING	25551546	0	2,53,51,546	27(135)	22850188		
		NAVAYUGA ENGINEERING CO LTD	1,00,29,175	0	1,69,29,175	23,05,632	13724143		
2	CW & Makeup water System	Natarjana Construction Co Ltd	5981374		99,81,374	0	9981374		
4	Tawnship & Colony Rout & Drainage	Multiple parties, Concern Storf ltd etc.	5996319		59,96,319	0	5956719	861416	
		Eve Engiteer	1.21,68,000	0	1,21,68,000	0	12168000		
5	Interconnection ECR	DCR , Ricce	2,58,66,586	0	2,58,66,386	0	25866386		
	Tatal Civil wucks	Sub Total	9,55,93,000	-	9,55,93,000	59,06,398	9,65,76,610	8,01,410	
		Sub Total (A1)	29,27,61,283 -	8,91,63,166	26,35,98,118	64,19,369	19,71,78,749	8,01,410	
A2	New Warks								
		646-90009 (191200000000000000000000000000000000000	ALCONO DE		0.000	TAN FORMAL DE			
A2.1	Installation of RoofTop Solar PV system	Highground Energy Pvt List.	40,95,000	0	49.95,000	1,95,000	39,00,000		As per Form 9
42.2	Installation of LEO Lighting Fixtures	EESC	3,52,42,834	à	3,52,42,834	9	3,52,42,834		As per Form
		Sub Total	3,93,37,834		3,93,37,834	1,95,060	3,91,42,534	76	
A3	Capital spaces capitalisation		36,05,27,832		31,05,27,032	2,95,45,360	33,69,41,662		
AŦ	MBOA capitalisation		3,93,14,074	(i)	3,93,14,674	95,74,098	2,97,35,977		
	Decup of Capital Spares part of Capital Cost		14,47,65,894	-1.95,30,844	16 10 16 201		10,70,70,70		
A5	been a capital spaces part in Capital Cast		17/44/00/000	1-0-0-0-0-0-4	-16,43,16,744	-	-16,43,16,744		As per Form



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	а	Р	۹	L

4.7	Package FERV		16,19,50,797		16,19,30,797	16,19,50,797	0		
		Total Chim (Al to A7)	74,41,73,253 -	11,64,16,359	62,77,56,854	20,16,88,633	62,60,68,221	8,01,410	
11	Exclusions								
BI	Overhauling.								
1,13	Overhauling		15,65,60,593	-13,69,60,597	0	0	0		
			15,09,00,593	-15,49,40,393	0	0			
B2	Interesit Transfer		-1,72,311	-4,83,783	-15,56,094	0	-15,56,694		
B3	ERV Lann		95,84,84,892	it	95,84,68,892	0	95,84,68,892		
184	Miner Adjustment						74,64,646,44		
B4.1	Turbine Generator& Auxiliaries	DHEL etc.	-3.51,522	a a	+3,59,522		-3.51.522		
04.2	Water Pre-treatment Plant	MCNALLY BHARAT ENGG COMPANY	-0,36	0.00	-0.36	0.00	-0.36		As per Form
		Subtetal	-3,51,522	n	-3.51.522	0	-3,51,522		
		Sub Total (B1 to B5)	1,11,42,05,652 -	15,76,44,376	95,65,61,276		95,68,61,276		
85	Liability Reversal								
H5.1	Structural Steel Works	NAVAYUGA ENGINEERING CO LTD	-6,73,951	0	-6,73,951	-6.73.951			
H5.2	ESP	DHUL	-3,12,38,455	0	-3,12,38,455	-3,12,38,495			
853	Generator Transformer	BHEL	-4.20,17,042	0	-4.20,17.042	4,20,17,942			
-		Sub Total (B4)	7,39,29,448		7,39,29,448 -	7,39,29,448	08		
	Total Exclusion (B)		1,94,92,76,294 -	15,76,44,376	58,26,31,028 -	7,39,29,448	95,65,61,276		
	Grand Total A+B		1,78,44,49,157	27,49,50,775	1,51,03,88,682	12,27,59,185	1.38.36,29,497	8.01,410	



-	Barh Super Thern	nal Power Station,	Stage-II: Reconciliation o	f Additional Conits	Head - to D.	
		All of the state o		чистоват Сяріс	Bization with Balance	Sheet
			Summary of Gross Bl	ock reconciliation	(2020-21)	
						Amount in Rs Lakh
Sr. No.	Particular	Total	Stage I	Stage II	Stg-I capitalised with Stage-	Stg-II capitalised with Stage-
10	Closing Gross Block as per Books as on 31.03.2021	10,55,056 66	30,702.19	9,01,870 29	1,21,936.70	547.47
2	Opening Gross Block as per Books as on 91.04.2020	10,52,045,22	29,267.61	9,00,825.65	1,21,950.95	400
1	Total Addition During the Year as per books (Ind-AS)	3,011.44	1,434.58	1,043,54	-14.25	547.47
4	ind-AS Adjustment	-15.79	117.30	-121,76	-11.32	
5 0	fotal Addition During the Year 3+4) (IGAAP) BARH	2,995.66	1,551,88	921,88	-25.57	547,47

_	Name of the Petitioner	_	Year wire Statement	of Additional Capitalisati	on after COD				PAR
	Name of the Generating Station				NTPC Ltd				Amount in
	Statine COIM Date of Take over				Bark Soper Thermal Power Station	Store ()			, , , , , , , , , , , , , , , , , , ,
	For Financial Year				98.03.2016	nug-ei			
					2620-21				
SL N	o. Head of Work Æquipment	Party Name	11877 11871		ACE Chimed (Actual for 20	20-21)			
1	A CONTRACTOR OF THE PROPERTY O	100000000	Accrual basis as per Note 2	Ind AS Adj.	Account basis as per IGAAP	En-discharged Liability			Justification
-	Petrocesty-		3	24	3B = 3+3A	included in est. 3	Cresh basis	IDC included in est, 3	300000000000000000000000000000000000000
۵	Claimed Items		1		30 3 20	4	5-(38-4)	6	7.
	Original Scope Works								
ALI	BOP Mechanical								_
112	Paragraphic Control	DC Industrial Plant Services etc.	18155017		E-17				4
or.	Ash Handling System & AWRS	100000000000000000000000000000000000000	84,67,115	0	84,67,115	5.21,688	79,45,427		
		District Martings Ltd. C&S Ehrers	Distance				77.77		
		sta	45,92,730	0	45.92.730	45,73,525	15,204		
2	Station Piping	UNITED MACHINES LTD	PLACE SOLUTION OF THE PROPERTY				17,274		1
	1500 XX 1400 21	THE PERSON NAMED IN THE PE	38.66.927		39.66.927	197	39,66,927		1
-	All the Control of th	C DOCUME & COMMISSION					anti-		1
3	Air Condition & Ventilation System	C DOCTOR & COMPANY PV1	-66,000	5.6	60,000	107/3320			+
	The second secon				64,000	60,000	0		
	TOTAL BOP Mecha	enical Sub Total	1,76,86,772	0	30221-03300	9097			4
					1,70,86,772	51,55,214	1,49,31,588		
557	101112								4
61.2	Citil works								
		Strate							
1	Main Plant/ Admn. Bldg.	NAVAYUGA ENGINEERING	1127197						1
		CO LTD.	102197	0	11.37,197		1137197		
	V 200						1(500,000.0)		
2	Township & Colony	SPML Infla Limited	24688	2.00	Forest		7,000		1
			0.5572	- 7	24,688	0	24698		
	Total Civil w	terics Sub Total	11,61,885		Zarwar Sudi				
			170/08/03		11,61,885		11,41,885		
41.1	Online coal Analyzer	America designation and the second	000000000000000000000000000000000000000						
***	Onnie com Anny 222	DANDONG DONGFANG	5,69,72,553	-0	5.69,72,553	20.00	V6522006		
						79,10,747	4.99,61,906		As per Form 9A
	44 900 1040 4000 0000 0000 0000 0000 000	1	0.10	10					
TH	Automatic Generation Control (AGC)	SIEMENS LTD	51.45,234	w	14V 4F480	NW4000			
					91,45,238	4.71,949	46,73,289		As per Form 9A.
					1				STANSON S
		Sub Total (A1)	8,83,66,448		continuous at an				
		2 000000000000000000000000000000000000	0,83,06,448		8,03,66,448	1,35,37,916	6,68,28,538		
	2000000	1					120000000000000000000000000000000000000		
A2 .	New Works								
**	e et al abititat merzi serbenerrenn.	- Lawrence -							
2.1	Installation of LED Lighting Fixtures	FESI.	55,39,547		19 SHALLEY				
		Washington and a			35,30,347		55.30,547		As per Form 9A
		Sub Yotal (A2)	55,36,547	2	******				
13	Constant reasons and the state of	1	11000-00310		55,30,547	델	55,30,547		
	Cupital spares capitalisation		16,61,59,498		16,67,99,498	Fall on Con	W2000000		
14	MBOA capitalisation				130,00,00,498	1,38,02,127	15,23,97,371		
137			2,74,5n,54s	<u>:</u> :	2,74,16,348	17,84,352	242040000		
15	Decap of Capital Spares part of Capital Con-		Marchine,			13,64,332	2,40.31,996		
-	Provide Capture Cal	- t	3,99,76,282	-1,02,52,160	-5,02,78.451		<5.02,28,431		
16	Decup of MBOA items part of capital cost				DOWNS AS A STATE OF		-10.00E_085(\$3.1		- 000 mm
-		1	26,40,690	5,87,877	-32,28,567	7.0	+32,28,567		As Per Form 9A

A7	Decap of structures		9,57,259	-5.72.564	-85.29.822				ri .
AH	Fackage FERV		3,71,61,972		255670	EQUIDADA DE	-15,29,K22		
		Total Claim (A1 to A3)	27,00,59,582		3,71,60,972	3,71,60,972	0		
			27,00,7232	1,14,12,610	26,16,86,971	6,58,85,362	19,59,01,618	11.20	
B	Exclusions								
81	Overhauling		19.35,715	-1935,715			0		
R2	Intermit Transfer		3,30,891	7/2000	"	ŭ.	D		
83	ERV Lean		- 3800/00/0	+0,669	3,70,960	٥	3.70,960		
Bá	Minor Adjustment		-14,37,67,593	.0	+14,37,67,693	0	-14.37,67,003		
B4,1	Steam Generator Island & ESP	1917.						-	
81.2	Air Condition & Ventilation System	C DOCTOR & COMPANY PVT	-8,820	- 6	-8.900	0	8.820		
(25)T	Fire fighting System	LTD en.	-23.219	0	-23.219	-0	-20,219		Ī
		UNITED MACHINES LTD	31,593		23,593	- 1	-33,593		
B4.4	Township & Colony	Rom Krigal ningh	-9619	0	-9,619	10	9619		
		Sub Total (ISI to B4)	14,35,76,337	18,95,646	14,34,71,984		2010		As Per Fort
RS	Liability Reversal				10,500,000		14,34,75,964		
95,1	Steam Generatur	PRIVATE LIMITED 300	-1,80,94,110	0	-1.80,04,110	+1,80,04,110			
85.2	Starlon Piping	UNITEGH MACHINES LTD	-35,07,133			11000000000	0		
35,3	Ash Handling	DC INDUADRIAL PLANT REPORTS		- 1	-15,07,233	-05.07.233	.0		
15.4	Coal Bandling	DRF(JI)	45.11.515	0	-45,11,515	-45,11,515			
85.5	Electrical Eqpt Supply & Erection		+7,23,064	0	-7,23,068	-7.23,868	a		
	- An right & areans	REMINS LTO	-18,38,212	0	+18.38,212	-18.38,212	0		
	Total Park Control	Sub Total (B4)	2.85,84,738	* 2	3,85,84,138 -	2,85,84,138			
-	Total Exclusion (B)	-	17,81,60,415	18,95,646 -	17,28,56,122 -	2,95,94,138	14,54,71,984		
-	Name and the second sec								
	Grand Total (A+B)		10,29,39,107	1,33,08,257	8,96,30,850	3,73,01,223	5.23.29,627		

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										PART- FORM- 1
Name of the Petitioner				NTPC Li	mited					
Name of the Generating Stati	ion					al Power S	tation Ct.	- 11		
Date of Commercial Operation)n			08-03-201	16	al Lower 8	tation Sta	ge-11		
Financial Year (Starting from	Т			7.5				Amount i	in Rs Lakh	
COD)1	-	T comment	Actual				we are	Admitted	j.	
	2019-20	2020-21	2021-22	2022-23	2023-24	2019-20	2020-21	2021-22	2022-23	2023-24
l Amount capitalised in Work/ E		3	4	5	6	7	8	9	10	11
Loan-1 Loan-2 Loan-3 and so on Total Loan2			No. of the control of							
Equity	1	P	add cap is	proposed f	to be finan	ice in Debt	:Equity ra	tio of 70:3	0	
Internal Resources										
Others (Pl. specify)	1									
Total										
Note:										
Year 1 refers to Financial Year Loan details for meeting the add	of COD and	V- 2 W	200 E 0							

Calculation of Depreciation

Name of the Petitioner: NTPC Limited

Name of the Generating Station: Barh STPS Stage - II (2X660 MW)

			Service -				(Amount in Rs Lakh
Sl.No.	Name of the Assets	Gross Block as on 01.04.2019	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount on Gross Block as on 01.04.2019	Gross Block as on 01.04.2020	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount on Gross Block as on 01.04,2020
1	Freehold Land	3	4	5=Col.3 X Col.4	6	7	
2		11712.34	0.00%	0	11712.3		8=Col.6 X Col.7
3	Leasehold Land	657,44	3.34%	21.96	657.4	0.00%	(
4	Roads, bridges, culverts & helipads	9891.58	3.34%	330.38	10013.3	3.34%	21.96
5	Main plant Building	52078.43	3.34%	1739.42	52333.9	3.34%	334.44
6	Other Buildings	14937.55	3.34%	498.91	14993.4	3.34%	1747.95
7	Temporary erection	733.86	100.00%	733.86	733.9		500.78
8	Water supply, drainage & sewerage	1207.10	5.28%	63.74	1207.1	100.00%	733.86
9	MGR track and signalling system	10533.20	5.28%	556,15	10857.9	5.28%	63.74
10	Railway siding	29435.59	5.28%	1554.2	29369.6	5.28%	573,3
11	Plant and machinery	883462.51	5.28%	46646.82	897936.9	5.28%	1550.71
12	Furniture and fixtures	1473.83	6.33%	93.29	1474.1	5.28%	47411.07
13	Vehicles - Owned	51.68	9.50%	4.91	54.5	6,33%	93.31
14	Construction equipment	1483.19	5.28%	78.31	1412.3	9.50%	5.18
15	Other Office Equipments	376.10	6.33%	23.81	409.5	5.28%	74.57
16	EDP, WP machines & SATCOM equipment	634.10	15.00%	95.11	589.1	6.33%	25.92
17	Electrical installations	2986.00	5.28%	157.66	2990.1	15,00%	88.36
18	Communication equipment	295.74	6.33%	18.72	308.9	5.28%	157.88
19	Hospital equipment	15.56	5.28%	0.82	15.6	6.33%	19.55
19	Software TOTAL	111.69	15.00%	16.75		5.28%	0.82
	TOTAL	1022077.5	19-1000	52634.82	1037181.37	15.00%	16.75
	NECESTRATION VANCES PROTECT AND CONSTRUCT AND CONTRACT			CAUSTINE	103/181.37		53420.15
	Weighted Average Rate of Depreciation (%)			5.1498	1		5.1505

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							PART-I
							FORM- 12
	Sta	tement of De	preciation				
Name	e of the Company :	NTPC Limited	i				
Name	e of the Power Station :	Barh Super T	hermal Power	Station Stage-	11		
						(Amoun	t in Rs Lakh
S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
			366	365	365	365	366
1	2	3	4	5	6	7	8
1	Opening Capital Cost	949509.82	9,61,303.26	9,79,590.09	9,85,067.78	10,27,542.78	10,27,568.78
2	Closing Capital Cost	961303.26	9,79,590.09	9,85,067.78	10,27,542.78	10,27,568.78	10,55,814.78
3	Average Capital Cost	955406.54	9,70,446,67	9,82,328.93	10,06,305.28	10,27,555.78	10,41,691.78
la	Cost of IT Equipments & Software included in (1) above		745.70	745.70	749.82	749.82	749.82
2a	Cost of IT Equipments & Software included in (2) above		745.70	749.82	749.82	749.82	749.82
3a	Average Cost of IT Equipments & Software		745.70	747.76	749.82	749.82	749.82
4	Freehold land	8,532.42	8,532.42	8,532.42	8,532.42	8,532.42	8,532.42
5	Rate of depreciation	5.1599	5.1498	5.1505	5.1505	5.1505	5.150:
6	Depreciable value	8,52,186.71	8,65,797.40	8,76,491.64	8,98,070.56	9,17,196.01	9,29,918.41
.7.	Balance useful life at the beginning of the period	- 22.91	21.91	20.91	19.91	18.91	17.9
8	Remaining depreciable value	7,50,645.09	7,15,091.42	6,76,174.94	6,47,297.31	6,14,592.89	5,74,390.90
9	Depreciation (for the period)		49,975.94	50,594.97	51,829.87	52,924.38	53,652.46
10	Depreciation (annualised)	49,298.02	49,975.94	50,594.97	51,829.87	52,924.38	53,652.40
11	Cumulative depreciation at the end of the period	1,50,839.64	2,00,681.92	2,50,911.66	3,02,603.12	3,55,527.50	4,09,179.96
12	Less: Cumulative depreciation adjustment on account of un- discharged liabilities deducted as on 01.04.2009	0.00	9	52		\$	
13	Less: Cumulative depreciation adjustment on account of de- capitalisation	133.66	365.23	138.42	9.0		98
14	Net Cumulative depreciation at the end of the period after adjustments	1,50,705.98	2,00,316.70	2,50,773.24	3,02,603.12	3,55,527.50	4,09,179.90

	Name of the Generating Station: Barh STPS Stage - I MWJ	(ZX660				FO
5.1	No. Particulars					Rs
3	Kfw, Barh	2019-20	2020-21	2021-22	2022-23	2023
	Gross Drawl opening	60.000.00		-		
	Cummulative repayment of drawl till prev yr	53,906.48 23,032.88		40,000.40	34,000,40	53
	Net Loan opening	30.873.62		2	1111111111	41
_	Increase decrease due to FERV	50,073.02	26,194,8	5 21,516.08	16,837,30	12
	increase decrease due to ACE			-		
_	Total	30,873.62	26,194,8			
_	Repayment of loan during the year	4,678.77	4.678.7	100	16,837.30	12,
	Net loan closing	26,194.85	21,516.06	Que sail s	4,678.77	4
_	Average net loan	28 534 24	23,655.46	10100100	12,158.53	7
_	Rate of interest on loan	3,5000%		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14,497.91	9,
_	Interest on Ican	998.70	834.94	P.0000 16	3.5000%	3
-	5 6359/ From B			077.18	507.43	
2	5.625% Euro Bonds 2021					_
-	Gross Drawl opening	65,421.73	65,421,73	65,421.73	65,421.73	
-	Cummulative repayment of drawl till prev yr			75114		65.4
_	Net Edan opening	65,421.73	65,421.73	65,421.73	65,421.73	55,4
	Increase decrease due to FERV		-	33(18.13.0		
-	Increase decrease due to ACE					
-	Total	65,421.73	65,421.73	65,421,73		
-	Repayment of loan during the year		34	66,421.73		
	Net loan closing	85,421.73	65,421.73	-		-
-	Average not loan	55,421.73	65,421,73	32,710.86	91	
-	Rate of interest on loan	7.1775%	7.1775%	7.1775%	0.0000%	0.0
3	Interest on loan	4,695.64	4,695.64	2,347.62	8.000000	0.0
	4.75% Euro Bonds 2022			12710		
	Gross Drawl opening					
	Cummulative repayment of drawl till prev yr	9,396.58	9,396.58	9,398.58	9,390.58	9,39
	Net Loan opening					9,39
	Increase decrease due to FERV	9,396.50	9,396,58	9,396 5a	9.396.58	-
	Increase decrease due to ACF					
	Total					
	Repayment of loan during the year	9,356.58	9,396.58	9,398.58	9,398.58	
	Net loan closing			+ 1	9,396.58	
	Average net loan	9,396.58	9,395,58	9,396.58		
	Rate of Interest on Ivan	9,396.58	9,396.58	9,396.58	4,698.29	
	Interest on Ipan	5.0215%	5.0215%	5.0215%	5.0215%	0.000
		471,85	471.85	471.85	235 92	
	SBI, New York					
	Gress Drawf opening	******				
	Cummulative repayment of drawf till pray yr	8,460,74	8,480.74	8,460.74	8,480.74	8,460
	Net Loan opening		8,480.74	8,460.74	8,460.74	9,460
	Increase decrease due to FERV	8,460,74			¥ 1	
Ì	Increase decrease due to ACE					
	Total					
_	Repayment of loan during the year	8,460,74 8,460.74	+		21	
	Net loan closing	0,400.74				
3	Average net loan	4,230.37		*(1)		
	Rate of interest on loan	3.8251%	0.000001	+)())		
j	Interest on loan	161.81	0.0000%	0.0000%	0.0000%	0.0000
4				-		
	BTMU					_
	Grass Drawl opening	54,888.34	54,988.34	54.888,34	54 500	
	Cummulative repayment of drawl till prev yr	54,888,34	54,888.34	54,888.34	54,888.34	54,888.3
	Not Loan opening		S. S. Leanning St. St.	94,008.34	54,868.34	54,888.3
	increase decrease due to FERV			-		
	norease decrease due to ACE					
_	fotal					
	lepsyment of lose during the year				-	
7	let loan closing					_
11	verage net loan			-	-	

Therder

	Name of the Generating Station: Bark STPS Stage - II (2) MW)	NODU				
	NW)				-	Rs. in
5.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Rate of interest on loan					
	Interest on loan				-	
6	4.375% Euro Bonds 2024	_	-			
	Gross Drawl opening	4,921.75	4,921.75	4,921.75	4,921,75	4,92
	Cummulative repayment of drawl till prev yr		-		-	
	Net Loan opening	4,921.75	4,921.75	4,921.75	4,921.75	4,92
	Increase decrease due to FERV		500		~ 1	
	Increase decrease due to ACE					
	Total	4,921.75	4,921.75	4,921.75	4,921.75	4,92
	Repayment of loan during the year	-				
	Net loan closing	4,921.75	4,921.75	4,921.75	4,921.75	4,92
_	Average net loan	4,921.75	4,921.75	4,921.75	4,821.75	4,92
	Rate of interest on loan	4.6277%	4,5277%	4.6277%	4.6277%	4.67
_	Interest on Ican	227.78	227.76	227.78	227.76	22
7	BOND-XXVIII					
	Gross Drawl opening	20,000.00	20,000.00	20,000.00	20,000.00	20,00
	Cummulative repayment of drawf till prev yr	20,000.00	20,000.00	20,000.00	20,000.00	20,00
	Net Loan opening			2	- 1	2,343.0
	Increase decrease due to FERV			-		
	Increase decrease due to ACE					
	Total	\$	Ş		- 5	
	Repayment of loan during the year	2	- 31	翠		
	Net loan closing		+ 1	+		
	Average net loan			- 53		
	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.00
	Interest on loan					_
8	BOND-XXX					
2 - 0	Gross Drawl opening	12,500,00	12,500.00	12,500.00	12,500.00	12,50
	Cummulative repayment of drawl till prev yr		12,500.00	12,500.00	12,500.00	12,50
	Net Loan opening	12,500.00				
	Increase decrease due to FERV	4760035000	- 121			
	Increase decrease due to ACE					
	Total	12,500.00	-			
	Repayment of loan during the year	12,500.00				
	Net loan closing		**	- 1		3
	Average net loan	6,250,00	+4	-		
	Rate of interest on loan	7.9200%	0.0000%	0.0000%	0.0000%	0.00
_	Interest on loan	495.00	-	E.	-	-
р	BOND-XLII					
p.	Gross Drawl opening	2,000.00	2,000.00	2,000.00	2,000.00	2,00
	Cummulative repayment of drawl till prev yr	2,000.00	2,000.00	2,000.00	2,000.00	333
	Net Loan opening	2,000.00	2,000.00	2,000.00	2,000.00	1,666
	Increase decrease due to FERV	2,000,00	2,400,40	.599.93.55	2(444.24)	11,500
	Increase decrease due to ACE					
	Total	2,000.00	2,000.00	2,000.00	2,000.00	1,866
	Repayment of loan during the year	20	100		333.33	333
	Net loan closing	2,000.00	2,000.00	2,000.00	1,668.67	1,333
	Average net loan	2,000.00	2,000.00	2,000.00	1,833.33	1,500
	Rate of interest on loan	9.0300%	9,0300%	9,0300%	9.0300%	9.03
	Interest on loan	180.60	180.60	180.60	165.55	136
10	BOND-XLVII					
1	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2.500
	Cummulative repayment of drawl till prevyr	2,000.00	e, ann. ou	2,000.00	2,000,00	2,500
	Net Loan opening	2,500.00	2,500.00	2,500.00	2,500.00	2,000
	Increase decrease due to FERV				00000 (040) (44)	

Richards Average Communicate Increase I	Particulars Repayment of form during the year Net ioan closing Average net loan Rate of interest on loan Interest on loan BOND-XLVIII Dross Drawl opening Cummulative repayment of drawl till prev yr let Loan opening horresse decrease due to PERV Increase decrease due to ACE otal	2019-20 2,500.00 2,500.00 8,8700* 221.75 2,500.00	2,500,00 6 8,87004 221,78	2,500.00	2022-23 2,600.00 1,250.00 8.87po%	Rs. 2023-
Real Interest Increase Increas	Net ioan closing Average net loan Rate of interest on loan Interest on loan BOND-XLVIII Bross Drawl opening Cummulative repayment of drawl till prev yr let Loan opening Interesse decrease due to FERV Increase decrease due to ACE otal	2,500.00 2,500.00 8,8700* 221.75	2,500.00 2,500.00 6 8,700% 221.75	2,500.00 2,500.00 8.8700%	2,500.00 1,250.00	2023-
Real Interest Increase Increas	Net ioan closing Average net loan Rate of interest on loan Interest on loan BOND-XLVIII Bross Drawl opening Cummulative repayment of drawl till prev yr let Loan opening Interesse decrease due to FERV Increase decrease due to ACE otal	2,500.00 8.87009 221.75 2,500.00	2 2 500.00 6 8 87004 221.76	2,500.00 2,500.00 8.8700%	1,250.00	
Rabilitation of the control of the c	Rate of interest on loan Interest on loan BOND-XLVIII Bross Drawl opening Cummulative repayment of drawl till prev yr let Loan opening Increase decrease due to FERV Increase decrease due to ACE	2,500.00 8,87009 221.75 2,500.00	2 2 500.00 6 8 87004 221.76	2,500.00 8.8700%		
Increase Inc	BOND-XLVIII Stores Drawl opening Cummulative repayment of drawl till prev yr let Loan opening norcesse decrease due to FERV norcesse decrease due to ACE	2500.60 2,500.60	8 8700% 221.75	8.8700%		
Increase Inc	BOND-XLVIII Diviss Drawl opening Cummulative repayment of drawl till previye let Loan opening noresse discresse due to FERV noresse decrease due to ACE otal	225.75	221,75	200	8.8700%	
Gross Cummul Net Loan	Pross Drawl opening Cummulative repayment of drawl till prev yr let Loan opening noresse ducresse due to FERV noresse decrease due to ACE otal	2,500.00		221.75		0.
Gross Cummul Net Loan	Pross Drawl opening Cummulative repayment of drawl till prev yr let Loan opening noresse ducresse due to FERV noresse decrease due to ACE otal		2,500.00		110.88	
Current Increase Incr	Cummulative repayment of drawl till prev yr let Loan opening horresse ducresse due to FERV icrosse decrease due to ACE otal		2,500.00			
Net Increase	let Loan opening noresse ducresse due to FERV noresse decrease due to ACE otal		2,000:00	2000		
Increase Inc	ncresse decrease due to FERV ncresse decrease due to ACE otal	FUEL RESERVE		2.500.00	2.500,00	2,5
Incident of the control of the contr	rcrosse decrease due to ACE otal		2,500.00	2 500 40		2,5
Total Repayment L3A B Gross D Cummul Repayment	otal		2,000,00	2,500.00	2,500.00	_
Rep Net I Average Increase Inc						_
Net Average Rate of Interest Increase I	Applications of the State of th	2,600.00	2,500.00	2 500 00	12000000	
Average Rate of Interest Increase Incre	epayment of loan during the year		E/oco.co.	2,500.00	2,500,00	
Rate of Interest Increase Incr	et loan closing	2,500.00	2,800.00	2 500 00	2,500.00	
Interest Increase Inc	verage net loan	2,500.00	2,500.00	2,500.00	0.00000	
L1 II Gross Cumming Net II Increase Increase Interesse Increase In	ate of interest on loan	8.7600%	9.7600%	2,500.00	1,250.00	_
Gross Communicates of Communic	terest on loan	219.00	219.00	8.7600% 219.00	8.7600%	0.0
Gross Communicates of Communic	110		2,000	219.00	109.50	_
Cum Net I Increase In	I A Bond			-		
Net II Increase	oss Drawl opening	1,729.01	1,729.01	1 720 04		
Increase Inc	mmulative repsyment of drawl till pres yr		1,120.01	1,729.01	1,729.01	1,72
Increase Inc	t Loan opening	1,729.01	1,729,01	1,729,01		11111
Net Ice Average Rate of Interest Increase Increase Increase Interest Increase	rease decrease due to FERV			1,729,01	1,729.01	1,72
Repayment Local Repayment Increase	rease decrease due to ACE					
Net ice Average Rate co Interes L2A Gross Continue Net ice Increase Total Repaym Net ice Average Rate of Interess Cummul Net ice Increase		1,729.01	1,729.01	1,729.01	0.0000000	0.000
Average Hate of Interest Increase Incre	payment of loan during the year		110000	1,729.01	1,729.01	1,729
Hate of Interest Increase Incr	Town closing	1,729.01	1,729.01	1,729.01	- The st	1,720
Interest L3A B Gross Increase Increase Repayment Ret Loan Repayment Ret Loan Repayment Repayment Repayment Repayment	rage net loan	1,729,01	1,729.01	1,729.01	1,729.01	
L2A Gross Committee Net Local Increase Total Repayme Net local Repayme L3A B Gross D Cummul Net Local Increase Increase Increase Increase Increase Increase	s of interest on loan	8,4400%	8.4400%	8.4400%	1,729.01	854
Gross Continued of the	rest on loan	145,93	145.93	145.93	8.4400%	8,440
Gross Continued of the	Bond			140.52	145.93	72
Comment Net Los Increase Incre						
Net Los Increase Total Repaym Net los Average Rate of Interest L3A B Gross Dr Cummul Net Losn Increase Increase Increase Increase	s Drawl opening	865.52	885.52	885.52	885.52	1900
Increase	mulative repsyment of drawl till preyyr		1.5		993.32	885,
Increase Total Repaym Net loar Average Rate of Interest L3A B Gross De Cummul Net Loar Increase Increase Total Repayme	coan opening	885.52	885,62	885.52	885.52	222
Total Repaym Net loar Average Rate of Interest L3A B Gross De Cummul Net Loar Increase Increase Increase Increase Increase Increase	ase decrease due to FE/CV				0012.52	885
Repayment Repayment Reterest L3A Bridge Reterest L3A Bridge Reterest Reterest Reterest Reterest Reterest Reterest Repayment Reterest R	ase decrease due to ACE					
Net load Average Rate of Interest L3A B Gross D Cummul Net Load Increase Total Repsyme		865.52	885.52	885,52	990 62	-
Average Rate of Interest L3A B. Gross Dr Cummul Net Loan Increase Increase Total Repsyme	yment of loan during the year			-	885,52	885
Rate of Interest L3A B. Gross D. Cummut Net Loan Increase Increase Total Repsyme	777 1111 2 7 7 7	885.52	885.52	885.52	885.52	
L3A B Gross Dr Cummui Net Lean Increase Increase Total Repsyme		885.52	885.52	885.52	885.52	885.5
L3A Bo Gross Dr Cummut Net Loan Increase Increase Total Repsyme	of interest on loan	8.5100%	8.5100%	8.5100%	8.5100%	885,6
Gross Dr Cummut Net Losn Increase Increase Total	ost on loan	75.36	75.36	75.36	75.38	8,5100
Gross Dr Cummut Net Losn Increase Increase Total	Bonds				13,35	76.3
Cummui Net Loan Increase Increase Total Repayme						
Net Loan Increase Increase Total Repsyme		1,105,47	1,105.47	1,105.47	1,105.47	1.10E 4
Increase Increase Total Repsyme	sulative repayment of drawl till previyr		2		6100.47	1,105.4
Increase Total Repsyme	se decrease due to FERV	1,105.47	1,105.47	1,105,47	1,105.47	1 100 1
Total Repsyme	se decrease due to PERV				11140.47	1,105.47
Repsyme	SE GRECIEGUE DUR (O ACE					
	ment of loan during the year	1,105.47	1,105.47	1,105.47	1,105.47	1.106.47
				- 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	1,100.11	1,105.47
N. N. 13 - 13 - 13	e net loan	1,105.47	1,105.47	1,105.47	1,105.47	1 105 47
	interest on loan	1,105.47	1,105.47	1,105.47	1,105.47	1,105.47
	t on loan	8,6900%	8.6900%	8.6900%	8.9900%	1,105.47 8.6900%
- Interest C	TO THE PARTY OF TH	96.07	96.07	96.07	96.07	96.07
L1 B Bo						90.07
-						
	Sonds					739.18
Not Loan o		739.18	739.18	739.18	739.18	C. N. S

Virtendes

	Name of the Generating Station: Barh STPS Stage - II (2X660				FOR
	MW)				Ü.L	
S.No	Particulars	2019-20	2020-21	7024.00	7000.00	Rs.
	Increase decrease due to FERV		4040-41	2021-22	2022-23	2023-
	Increase decrease due to ACE		7.			_
	Total	739.18	739.18	739.18	739.18	-
	Repayment of loan during the year		7.00110	700.10	709.10	7
	Net loan dosing	739.18	739.18	739.18	739.18	. 7
	Average not loan	739 18	739.10	739.18	739.18	3
	Rate of interest on loan	8.9900%	8.6900%	8.6900%	8.6900%	86
_	Interest on loan	64.23	64.23	64.23	64.23	0.0
	13 8 8 4 -				01,60	
16	L2 B Bonds					
	Gross Drawl opening	323.79	323,79	323.79	323.79	30
	Cummulative repayment of drawl till prev yr	-				
_	Net Loan opening	323.79	323.79	323,79	323.79	32
	Increase decrease due to FERV					
	Increase decrease due to ACE					
_	Total	223.79	323.79	323.79	323.79	32
	Repayment of loan during the year			-		
	Net loan closing	323.79	323.79	323.79	323,79	32
	Average not loan	323.79	323.79	323.79	323.79	32
_	Rate of interest on loan	8.7600%	8.7600%	8.7600%	8.7600%	8.76
	Interest on loan	28,36	28.36	28.36	28,26	2
7	L3 B Bonds					
1	The State of the S					
_	Gross Drawl opening	1,417,03	1,417.03	1,417,03	1,417.03	1,41
	Commulative repayment of drawl till prev yr					
	Net Loan opening	1,417.03	1,417,03	1,417.03	1,417.03	1,41
	Intresse decrease due to FERV		75.000			
-	Increase decrease due to ACE					
-	Total	1,417.03	1,417.03	1,417.03	1,417.03	1,417
	Repayment of Joan during the year		41	(4)		
-	Net loan closing	1,417.03	1,417.03	1,417.03	1,417.03	1,417
	Average net loan	1,417.03	1,417.03	1,417.03	1,417.03	1,417
_	Rate of interest on loan	8.9400%	8.9400%	8.9400%	8.9400%	8.94
-	Interest on loan	128.68	126.68	126.68	128,68	126
	L II Bonds					
_	Gross Drawl opening	400.00	400.00	400.00	400.00	400
	Cummulative repayment of drawl till prev yr					- 5
_	Net Loan opening	400.00	400.00	400.00	400.00	400
	Increase decrease due to FERV					
	Increase decreese due to ACE					
	Total	400.00	400.00	400.00	400.00	400.
	Repayment of loan during the year	-		-		400
	Net loan closing	400.00	400.08	400.00	400.00	-
-	Average net loan	400.00	400.00	400.00	400.00	200.
	Rate of Interest on loan	9.3700%	9.3700%	9.3700%	9.3700%	9.370
_	Interest on loan	37.48	37.48	37.48	37.48	18
	L III Bonds					0.00
	Gress Drawl opening					
-	The state of the s	3,500.00	3,500.00	3,500.00	3,500.00	3,500.0
	Cummulative repsyment of drawl till prev yr	300000000000000000000000000000000000000			==#/>CV-3	-
	Net Loan aponing	3,500.00	3,500.00	3,500.00	3,500.00	3,500.0
	Increase decrease due to FERV		1/			
	Increase decrease due to ACE	1000000				
-	Total	3.500,00	3,500.00	3,500.00	3,500.00	3,500.0
	Repayment of loan during the year		\$5	100		
	Net loan closing	3,500.00	3,500.00	3,500.00	3,500.00	3,500.0
_	Average net loan	3,500.00	3,500.00	3.500.00	3,600.00	3,500.0
	Rate of interest on loan	9.2000%	9.2000%	9 2000%	9.2000%	9.2000
-	Interest on loan	322.00	322.00	322.00	322.00	322.0
						-

ķ	particulars	2019-20	2020-21	2027.00		Rs. In lak
	Gross Drawl opening	63,500.00	53,500 gc	2021-22	2022-23	2023-24
	Cummulative repayment of drawl till prev yr	53,500.00	93,900 00	63,500.00	63,500.00	63,500.00
	Net Loan opening	63,500.00	63,500.00	63,500.00	F2 F22 64	12,700.00
	Increase decrease due to FERV	77.77.00	43,230,00	63,300.00	63,500.00	50,800.00
	Increase decresse due to ACE					
_	Total	63,500,00	83,500,00	63,500.00	63,500,00	60 000 00
	Repayment of loan during the year		- 1	55000.00	12,700.00	50,800.00 25,400.00
	Net loan closing	63,500,00	63,500.00	83,500.00	50,800.00	25,400.00
	Average net loan	63,500,00	63,500.00	63,500.00	57,150.00	38,100.00
_	Rate of interest on loan	8.5200%	8,5206%	8.5200%	8.5200%	8,52009
-	Interest on loan	5,410,20	5,410,20	5,410.20	4,889.18	3,245,12
21	Bond LVIII					
21						
=	Gross Drawl opening	2,400.00	2,400.00	2,400.00	2,400.00	2,400.00
	Commulative repayment of drawl till prev yz Net Loan opening	(2)	- 0	2,400.00	2,400.00	2,400.00
	Increase decrease due to FERV	2,400.00	2,400.00	- 12	- 2	
	Increase decrease due to ACE					
	Total	78144444	12/02/04/04			
	Repayment of loan during the year	2,400.00	2,400,00			
	Net loan closing	2 400.00	2,400.00			
	Average net loan	2,400,00	1 200 00		- 1	
	Rate of Interest on loan	8,2100%	1,200,00 8,2100%	0.00000	200	-
	Interest on loan	197.04	98.52	0.0006%	0.0000%	0.0000%
		133.504	30.02			
2	Bond 59					
_	Gross Drawl opening	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00
	Cummulative repayment of drawl till prev yr			2,700.00	2,700.00	2,700.00
-	Net Loan opening	2,700.00	2,700.00	201	-	4,100.00
_	increase decrease due to FERV		100 101 101			
-	Increase decrease due to ACF					
	Total	2,700.00	2,700.00		2+3	
_	Repayment of loan during the year		2,700.00	25%	9200	
	Net loan closing	2,700 00			34.7	(4)
	Average not loan Rate of interest on loan	2,700.00	1,350,00	-		/
	Interest on loan	8.3600%	8.3600%	0.0000%	0.0000%	0.0000%
F	and the control of th	225,72	112.85	-	-	- 1
ĵ.	Bond 60					
	Gross Drawl opening	4 700 mg				
	Cummulative repayment of drawl till prev yr	1,700.00	1,700.00	1,700.00	1,700.00	1,700.00
	Net Losn opening	1,700.00	1 700 oc	1900	um t	
	Increase decrease due to FERV	1,700.00	1,700.00	1,700.00	1,700.00	1,700.00
	Increase decrease due to ACE					
	Total	1,700.00	1,700,00	1,700.00	1 700 00	1.700.00
	Repayment of loss during the year	1,700.00	1,100,00	1,700.00	1,700.00	1,700.00
_	Net loan closing	1,700.00	1,700.00	1,700.00	1,700.00	1,700,00
_	Average net loan	1,700.00	1,700.00	1,700.00	1,700.00	
_	Rate of interest on loan	8.0800%	8.0800%	8.0800%	8.0800%	1,700.00 8.0800%
_	Interest on loan	137.36	137.36	137.36	137.36	137.35
_	- AND CO				101.00	137.35
_	Bond 61					
-	Gross Drawl opening	500.00	500.00	500.00	500.00	500.00
	Cummulative repayment of drawl till prev yr		-		166.67	186.67
	Net Loan opening	500.00	500.00	500,00	333.33	333.33
1	Increase decrease due to FERV					
-	Increase decrease due to ACE					
	Total	500.00	500.00	500,00	333.33	332.33
	Repayment of loan during the year	-	2	168.67		+ +
	Net loan closing	500.00	500.00	333.33	333.33	333.33
	Average net foan	500.00	500.00	416.67	333.33	333.33 8 1300%
	Rate of interest on loan	8.1300%	8 1300%			

	Name of the Generating Station: Barh STPS Stage - II (2:	K660				FORM
	MW)				4	
5.No.	Particulars	2019-20	2020-21	2021-22	2022-23	Rs. in) 2023-24
	Interest on loan	40.85	40.65	33.88	27.10	2023-24
		10.00	40.00	33.60	27,10	- 21
25	Bond 66					
	Gross Drawl opening	2,000.00	2,000.00	2,000.00	2,000,00	2,000
	Cummulative repayment of drawl till previye	595	- 3			
	Net Loan opening	2,000.00	2,000.00	2,000.00	2,000.00	2,000
	Increase decrease that to FERV					
	Increase decrease due to ACE					
_	Total	2,000.00	2,000.00	2,000.00	2,000.00	2,000
	Repayment of loan during the year					
	Net iden closing	2,000.00	2,000.00	2,000,00	2,000.00	2,000
	Average net loan	2,000.00	2,000.00	2,000.00	2.000.00	2,000
	Rate of interest on loan	7.4080%	7.4000%	7.4000%	7.4060%	7.40
_	Interest on loan	148.00	148.00	148.00	148.00	148
40	Bond 67	-				
26	E-90 VC Shippor G-909	4 500 45	722742	A 100 TO 1	787743	30.00
_	Gross Drawl opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000
	Cummulative repayment of draw till prev yr	3 222 22	* 000.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2000	Section
	Net Loan opening Increase decrease due to FERV	1,009,00	1,000.00	1,000.00	1,000.00	1,000
	Increase decrease due to ACE				_	
	Total	1 000 00	1,000.00	(200.00		112400
	Repayment of loan during the year	1,000.00	1,000.00	1,000.00	1,000.00	1,000
	Net loan closing	1,000.00	100000000000000000000000000000000000000	1 000 00	4 900 00	4 000
	Average net loan	1,000.00	1,000.00	1,000,00	1,000.00	1,000
	Rate of interest on loan	8.3300%	1,000.00 8.3300%	1,000.00	1,000.00	1,000
	Interest on Ioan	83.50	83.30	8.3300%	8.3300%	8.330
		00.00	00.30	83.30	83.30	63
27	Bond 69					
	Gross Drawl opening		1,400.00	1,400.00	1.400.00	1,400.
	Cummulative repayment of drawl till previy		1,750,30	1,400.00	1,400.00	1,400.
_	Net Loan opening	1 1	1,400.00	1,400.00	1,400.00	1,400
	Increase decrease due to FERV			7,000	1,400.00	1,400
	Increase decrease due to ACE	1,400.00				
	Total	1,400.00	1,400.00	1,400.00	1,400,00	1,400
	Repayment of loan during the year			1.1	-	- 1,100
_	Net loss closing	1,400.00	1,400.00	1,400.00	1,400.00	1,400
	Average nat loan	700.00	1,400.00	1,400.00	1,400.00	1,400.
	Rate of interest on loan	7,7850%	7.7650%	7.7650%	7.7650%	7.765
	Interest on loan	54.36	108,71	108.71	108.71	108
18	Bond 72					
	Gross Drawl opening			62,500,00	62,500,00	62,500.0
_	Cummulative repayment of drawl till grev yr					
_	Net Loan opening	18		62,500.00	82,500.00	62,500.0
	Increase decrease due to FERV			JO 0-20013		A12313424042
-	Increase decresse due to ACE		62,500.00			
_	Total	(4)	62,500.00	62,500,00	62,500,00	82,500.0
_	Repayment of loan during the year	1.00	- 1	190	4	
_	Net loan closing		52,500.00	62,500.00	62,500,00	62,500,0
_	Average net loan	1 0	31,250.00	62,500.00	62,500.00	82,500.0
_	Rete of interest on Joan		8.7401%	6.7401%	6,7401%	6.7401
	Interest on loan	-	2,106.29	4,212.58	4,212.58	4,212.5
	Bank of Maharashtra V-T-1-D1					
9						
_	Gross Drawl opening	2,500.00	2,500.00	2,500.00	2,500.00	2,500.0
	Cummulative repayment of drawl till prev yr	2,500.00	2,500.00	2,500.00	2,500.00	2,500.0
	Net Loan opening	- 12	12	-		
	Increase decrease due to FERV					
_	Increase decrease due to ACE					
	Total					-

	Name of the Generating Station: Bark STPS Stage - II (2X660 MW)					FORM-
					1	Rs. In I
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Net loan closing	**	- 50		-	
	Average net loan	2				
_	Rate of Interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.000
	Interest on loan			-	5-07-0	200000
30	Bank of Maharashtra V-T-1-D7					
	Gross Drawl opening	5 000 00		_		
	Cummulative repayment of drawl till prev yr	5,000.00	5,000.00	5,000.00	5,000.00	5,000.
	Net Loan opening	5,000.00	5,000.00	5,000.00	5,000,00	5,000
	Increase decreese due to FERV			-	-	-
	Increase decrease due to ACE			-		
	Total	:245	-			
	Repayment of loan during the year		94			-
	Net loan closing					
	Average net loan			1		
	Hate of interest on loan	0.0000%	0,0000%	0.0000%	0.0000%	0,000
-	interest on loan				-	
22	Bank of Maharakha 1/ 7 4 8 6					
	Bank of Maharashtra V-T-1-D9					
	Gross Drawl opening	6,500.00	6,500.00	6,500.00	8,500.00	6,500.0
	Cummulative repayment of drawl till prev yr	6,500.00	6,500.00	6,500.00	6,500,00	6,500.0
	Net Loan opening Increase decrease due to FERV	72				
_	Increase decrease due to ACE					
	Total					
_	Repayment of loan during the year		- 1			
	Net loan closing	*	-	-		
	Average net loan	-	- 8	*		-
	Rate of interest on loan	0.0000%	0.0000%	0.000096	- Armanian	-
- 16	nterest on loan	2 000079	-	G DCOOM	0,0000%	0.00001
						-
32	Karnataka Bank-II- Repayment from 28.03.2021(Bank					
- 18	Pross Drawl opening	13,125.00	13,125.00	13,125.00	13,125.00	13,125.00
	ummulative repayment of drawl till prev yr			1,459.33	2,918.67	4,375.00
	let Loan opening	13,125.00	13,125.00	11,666.67	10,208.33	8,750.00
	ncrease decrease due to FERV					
	ncrease decrease due to ACE					
	otal	13,125.00	13,125.00	11,688.67	10,208.33	8,750.00
	epzyment of loan during the year	100	1,458.33	1,458.33	1,458.33	1,458.33
	et laan closing verage net loan	13,125.00	11,666,67	10,208.53	8,750.00	7,291,67
	ste of interest on loan	13,125.00	12,395.83	10,937.50	9,479.17	6,020.83
	terest on loan	7,4476%	5.3763%	5,2200%	5.2200%	5.2200%
	100 (00.000)	977.50	686.44	570.94	494.81	418.89
3 C	anara Bank-III-T-1-D-2			_		
	ross Drawf opening	15,300.00	45 200 00		24.00	1900/1800
C.	ammulative repayment of drawl till previye	1,530.00	15,300.00 2,295.00	15,300.00	15,300.00	15,300.00
100	et Loan opening	13,770.00	13,005.00	15,300,00	15,300.00	15,300,00
Im	crease decrease due to FERV		10,000.00			-
Inc	trease decrease due to ACE					
To	rtal	13,770.00	13,005.00			¥
Re	payment of loan during the year	765.00	13,005.00			
	et loan closing	13,005.00	. 4.		20	
	erage net loan	13,387.50	6,502,50		¥7110	- 8
	te of interest on loan	8.1906%	7.1644%	7.0000%	7.0000%	7.0000%
Int	erest on lown	1,096.51	465.88	2/		-
D.	ena Rank-T-1-D-2					-
	ena Bank-T-1-D-2	1,000 4.00				
	oss Drawf opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	mmulative repayment of drawl till prov yr	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	t Loan opening	T. P. P. S.		10,000.00	10,000.00	10,000.00

Prepaid on 24-66-2020

Vitendre

	Name of the Generating Station: Barh STPS Stage - II (MW)	2x660				FORM
	ww)				- 1	
5.No.	Particulars	2015-20	2020-21	2021-22	2022-23	Rs. in 2023-24
_	Increase decrease due to ACE					2020-24
	Total	¥	22	-		
_	Repayment of loan during the year	0.00	0.00	0.00	0.00	
_	Net loan closing					
	Average net loan	2				
_	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.000
_	Interest on Joan			4		0.500
42	HDFC Bank LtdII T-1-D-1					
35						
	Gross Drawl opening	7,500.00	7,500.00	7,500.00	7,500.00	7.500
-	Cummulative repayment of drawl till prev yr	5,357.14	5,428.57	7,500.00	7,500.00	7,500.
_	Net Loan opening	2.142.66	1,071,43			
_	Increase decrease due to FERV					
	Increase decrease due to ACE					
	Total	2,142.88	1.071.43			
	Repayment of loan during the year	1971.43	1071.43			
	Net loan closing	1,071,43	-4			2
	Average net loan	1,007,14	535.71			
	Rate of interest on loan	8.0594%	6.3982%	0.0000%	0.0000%	0.0000
	Interest on loan	129.53	34.28	*	-	-
36	HUDCO LTD-I T1-D1					
30						
	Gross Drawl opening	5,000.00	5,000.00	5,000.00	5,000.00	5,000.0
	Cummulative repayment of drawl till prev yr	2,275.00	2,730.00	5,000.00	5,000.00	5,000.0
-	Net Loan opening	2,725.00	2,270.00			
- 1	Increase decrease due to FERV					
	Increase due to ACE					
-	Total	2,725.00	2.270,00			- 2
	Repayment of loan during the year	455.00	2270.00	0		
_	Net loan closing	2,270.00	+=	18	2.20	
	Average net loan	2,497 50	1,135.00		4.0	- 4
	Rate of interest on loan Interest on loan	8.0131%	7.1584%	7,0000%	7.0000%	7.00005
-1	DILLIGATE OF IDAIL	200.13	81.25			
,	Indian Overseas Bank-III-T-1-D-6					
- 1	Pross Drawl opening					
		10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
	Cummulative repayment of drawl till pray yr Net Loan opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000,00
-	ncrease decrease due to FERV	-		74.0		
100						
	ncrease decrease due to ACE otal					_
_	epayment of loan during the year			-		2
	let lean closing	0.00	0.00	0.00	0.00	0.00
	werage net loan	- 1-	4	- 3		
_	ate of interest on losn			-	2017	9.
	therest on Joan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
-1"	mens ovrodii	- 2	- 4 .	2		*
I	ndian Overseas Bank-III-T-1-D-7					
	ross Driewi opening					
1.1	ammulative repayment of drawl till prev yr	5,000.00	5,000.00	5,000.00	5,000,00	5,000.00
		5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	of Loan opening crease decrease due to FERV	-		-5		
11.50	crease decrease due to FERV					
-	rease decrease due to ACE					
				= = =	243	(FF)
100	payment of loan during the year at loan closing	0.00	0.00	0.00	0.00	0.00
1000		-	20/10			
	erage net loan te of interest on loan		-	100	्यो । विशेष	
1,000	erest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
- Int	or ver ver		1.			
	dian Overseas Bank-III-T-1-D-10					

Prepaid on 24/08/2020

4,000.00 4,000.00

	Name of the Generating Station: Barh STPS Stage - II (2X660 MW)					FOR
S.N	o. Particulars	2019-20				Rs. i
	Cummulative repayment of drawl till prev yr	-	2020-21	2021-22	2022-23	2023-2
	Net Loan opening	4,000.00	4,000.00	4,000.00	4,000.00	4,0
	Increase decrease due to FERV		-			
	Increase decrease due to ACE					
	Total	1 11				
	Repayment of loan during the year	0.00	0.00	0.00	0.00	
_	Net loan closing		10	4.10	0.00	
_	Average net loan	(III)				
_	Rate of interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0
_	Interest on Joan	15. 17		-	-	0.0
40	Indian Overseas Bank -III T-1-D-12					
	Gross Drawl opening					
	Cummulative repayment of drawl till prev yr	8,000.00	8,000.00	00.000,00	8,000.00	8,00
	Not Loan opening	8,000.00	8,000.00	8,000.00	8,000.00	8,00
	Increase decrease due to FERV	1/2-10	-			
	Increase decrease due to ACE					
	Total					
	Repayment of loan during the year					
	Net loan closing	0.00	0.00	0.00	0.00	
	Average not loan	- :	*	-		
	Rate of interest on Joan	0.0000%	0.0000%	7.550000		
	Interest on loan	U-1100075	0.000%	0.0000%	0.0000%	0.00
				-	-	
41	ICICI Bank-V D1- Total- Repayment from 20.12.2020(Dena					
	Gross Drawf opening	67,575.89	67,575.89	67,575.89	67,575.89	67,575
	Commutative repsyment of drawl till prev yr	67,575,89	67,575.89	67,575.89	67,575.89	67,575
	Net Lean opening	-	- 0		- 10	07,575
	Increase decrease due to FERV	¥ .	211			
	Increase decrease due to ACE		- 40	F		
	Total				100	
	Repayment of loan during the year					
	Net loan closing Average not loan	- 8	= (**		
	Rate of interest on loan	-			14	
	Interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.000
	The second secon		-			- 3
2	Corporation Bank-IV D1- Repayment from					
_	Gross Iden - Opening	67575.89	67575,89	67575.89	63636 no	-
	Cumulative repsyments of Loans upto providus period	0.00	0.00	0.00	67575.89	67575
	Not loan - Opening	67575.89	67575.89	67575.89	67575.89	7508.
	Increase/ Decrease due to FERV	0.00	0.00	0.00	0.00	60067
_	Increase/ Decrease due to ACE/Drawl during the period	0.00	0.00	0.00	0.00	0.
_	Total	67575.89	67575.89	67575.89	67575.89	60067.
	Repayments of Loans during the period	0.00	0.00	0.00	7508.43	7508.
_	Net loan - Closing	67575.09	67575.89	67575.89	60057.45	52559.
	Average Net Loan	67575.89	67575.89	67575.89	63821.68	56313.
	Rate of interest on Loan	8.0556%	6.6705%	6.0000%	5.0000%	6.0000
-	Interest on Loan Annualised	5443.64	4507.68	4054.55	3829.30	3378.7
	SBI-IV T-1-D-5			0.41		
	A PART OF THE PART					
	Gross Drawl opining	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
	Cummulative repayment of drawl till prey yr Net Loan opening	5,000.00	5,000.00	5,000,00	5,000.00	5,000.00
	Increase decrease due to FERV					
	Increase decresse due to ACE					
_	Total					
	Repayment of loan during the year				220	-
- 1	Net loan closing	0,00	0.00	0.00	0.00	0.0
	Average net loan	-				- 19
-	Nate of Interest on loan	2.00000	0.000000	4	74	
	interest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
		471				Jin
		13			U	m

	Name of the Generating Station: Bach STPS Stage - II (MW)	28000				FOR
No.	Particulars	2019-20	2020-21	2021-22	2022-23	Rs.
			5007.75		2022-23	2023
44	SBI-V-T-1-D-2					
_	Gross Drawf opening	4,000.00	4,000.00	4,000.00	4,000.00	4
_	Cummulative repayment of drawl till previyr	4,000.00	4,000.00	4,000.00	4,000.00	4.
-	Net Loan opening					-
_	Increase docrease due to FERV					
_	Increase decrease due to ACE					
_	Total				- 4	
_	Repayment of loan during the year	0.00	0.00	0.00	0.00	
_	Net loan closing		- 27			
	Average not loan					
-	Rate of interest on joan	0.0000%	0.0000%	0.0000%	0.0000%	. 0.
-	Interest on loan			100000000		
_	SBI-V-T-1-D-7			_		
5	O TO THE TOTAL OF					
-	Gross Drawl opening	5,000.00	5,000,00	5,000.00	5,000.00	5,0
	Cummulative repayment of drawl till previye	5,000.00	5,000.00	5,000.00	5,000,00	5.0
	Net Loan opening					210
	increase decrease due to FERV					
-	Increase decrease due to ACE					
	Total	-			-	
-	Repayment of loan during the year	0.00	0.00	0.00	0.00	
	Net loan closing		-	2 1		
_	Average net loan			-	2	
$\overline{}$	Rate of interest on loan	0.0000%	0.0000%	9.0000%	0.0000%	0.0
-	Interest on loan					
	SBI-VI-T-1-D-5					
	Gress Drawl opening	2000	7.22	2		
_	Cummulative repayment of drawl till previy:	3,500.00	3,500.00	3,500.00	3,500.00	3,50
	Net Loan opening	3,500.00	3,500,00	3,500.00	3,500.00	3,50
-	Increase decrease due to FERV			- 40		
	noncess decrease due to ACE			- 1		
	Total					
_	Repayment of loan during the year					
	let loan closing	0.00	0.00	0.00	0.00	- 3
	swerage net loan			-		
_	tate of interest on loan	¥	2025	-	-	
	nterest on loan	0.0000%	0.0000%	0.0000%	0.0000%	0.00
S	BI-VII-T-1-D-1					
5	irces Drawl opening	00.600.00	A4 24 2 2 2	1.395.0030		
-	ummulative repayment of drewt till pray yr	20,000.00	20,000.00	20.000.00	20,000.00	20,000
100	et Loan opening	10,000.00	12,500.00	15,000.00	17,500.00	20,000
_	crease decrease due to FERV	10,000,00	7,500,00	5,900.00	2.500.00	
100	crease decrease due to ACE	-	_			
	otal	10.000.00	7 800 00	Windows VIII		
_	epayment of loan during the year	10,000.00	7,500.00	5,000.00	2,500.00	_
	et loan closing	2500.00	2500.00	2500.00	2500.00	
	rurage net loan	7,500.00	5,000.00	2,500.00	C	
	ite of interest on Ipan	8,750.00	6,250.00	3,750.00	1,250,00	_
-	terest on loan	7 9342% 694 24	6,8580% 428.50	6,6500%	6.6500%	0.000
		*****	420,50	240,38	83.13	-
	BI-VII-T-1-D-3					
	ous Drawl opening	5,400.00	5,400.00	5,400.00	5,400.00	5,400
	mmulative repayment of drawl till previyr	2,700.00	3,375.00	4,050.00	4,725.00	5,400.0
	t Loan opening	2,700.00	2,025.00	1,350.00	675.00	0,400.0
	roase decrease due to FERV				575.50	-
1.000	rease decrease due to ACE					
Tot		2,700.00	2,025.00	1,350.00	675.00	
Reg	payment of losn during the year	675.00	675.00	675.00	675.00	D.i
	loan closing	100000	The second secon	and the second in	10 m and 40	12.7

	Name of the Generating Station: Barh STPS Stage - II (MW)	2X660				FOR
No.	Particulars	2040.00	T			Rs.
	Average net fosn	2019-20	2020-21	2021-22	2022-23	2023-
	Rate of Interest on Ipan	7,362.50	1,687.50	1,012.50	337.50	
	Interest on loan	7.9342%	8.8560%	6.6500%	6,5500%	0
		187,44	115.70	87.33	22.44	
45	SBI-VII-T-1-D-7					_
	Gross Drawl opening	8,000,00	8,000.00	8,000.00	8,000.00	
	Cummulative repayment of drawl till prevyr	4,000.00	5,000.00	6.000.00	7,000.00	8,0
_	Net Loan opening	4,000,00	3,000.00	2,000.00	1,000.00	0,0
	Increase decrease due to FERV					
_	Increase decrease due to ACE					
	Total	4,000.00	3,000.00	2,000.00	1,000.00	
	Repayment of loan during the year	1000.00	1000.00	1000.00	1000.00	
	Net loan closing Average net loan	3,000.00	2,000.00	1,000.00		
	Rato of Interest on loan	3,500,00	2,500.00	1,500.00	500.00	
	Interest on Ioan	7.9342%	6,8660%	5.6500%	6.6600%	0.0
		277.70	171,40	99.75	33.25	
0	SBI-VII-T-1-D-9					
	Gross Drawl opening	6,000.00	6,000.00	E 000 00	6.000.00	22
	Cummulative repayment of drawl till prev yr	3,000.00	3,750.00	6,000.00 4,500.00	5,250,00	8,00
	Net Loan opening	3,000.00	2,250.00	1,500.00	750.00	6,00
	Increase decrease due to FERV		-	7,000.00	150.00	
-	Increase decreese due to ACE					
	Total	3,000.00	2,250.00	1,500.00	750.00	
	Repayment of losn during the year	750.00	750.00	750.00	750.00	
-	Net loan closing	2,250.00	1,500.00	750.00		
	Awarege net loan Rate of interest on loan	2,625.00	1,875.00	1,125,00	375.00	
	Interest on loan	7.9342%	6.8560%	8.6500%	8.6500%	0.00
		208.27	128.55	74.81	24.94	
e l	SBI-VII-T-1-D-12					_
	Grass Diswil opening	6,700.00	6,700.00	6,700.00	g 700 gg	
_	Cummulative repayment of drawl till prev yr	3,350.00	4,187.50	5,025.00	5,852.50	6,700
	Net Loan opening	3,350.00	2,512.50	1,675.00	837.50	6,700
	Increase decrease due to FERV					
	Increase decrease due to ACE					
_	Total	3,350,00	2.512.50	1,675.00	837.50	
	Repayment of loan during the year	837.50	837.50	837.50	837.50	3
	Net loan closing Average net Idan	2,512.50	1,675.00	837.50		
_	Rate of interest on loan	2,931,25	2,069.75	1,256.25	418.75	
	Interest on loan	7.9342%	6.8560%	8,6500%	6.6500%	0.000
		232.57	143.55	83,54	27,85	
	SBI-VII-T-1-D-16					
- 0	Gross Drawl opening	2,500.00	2,600.00	2,500.00	2,500.00	2.500
- (Cummulative repayment of drawl till prev yr	1,256.00	1,562.50	1,875.00	2,187.50	2,500
_	Not Loan opening	1,250.00	937.50	625.00	312.50	2,500
- 1	ncrease decrease due to FERV				75,000	
	ncrease decrease due to ACE					
- 1	fotal	1,250,00	937.50	625.00	312.50	
- 1	lepayment of loan during the year	312,50	312.50	312.50	312.50	0
	verlage net loan	937.50	625.00	312,50		
11 1/2	tate of interest on loan	1,093.75	781.25	468,75	158.25	-
	nterest on loan	7.8342%	6.8560%	8.6500%	6.6500%	0.000
		86.78	53.56	31.17	10,39	-
S	BI-VII-T-1-D-19					
G	ross Drawl opening	2,000,00	2,000.00	2.000.00	0.000.00	Carlo Carlo
	ummulative repayment of drawl till pray yr	1,000,00	1,250.00	1,500.00	1,750.00	2,000.0
	et Loan opening	1,000.00	750.00	500.00	1,750.00 250.00	2,000.0
	crease decrease due to FERV				10000 Miles	-

V	o. Particulars					Rs. in lai
414	Total	2019-20	2020-21	2021-22	2022-23	2023-24
	Repayment of loan during the year	1,000.00	1.000	500.00	250.00	-
ī	Net foan closing	250,00	0.62777		250,00	0.0
_	Average net loan	750.00				
7	Rate of Interest on Ioan	875.00			125.00	-
-	Interest on loan	7 9342%	12.00		8.6800W	0.00009
		69.42	42.85	24.94	8.31	
54	UCO Bank-II D1					
	Gross-Drawl opening	2,500.00	2,500.00	2.500.00		
	Cummulative repayment of drawl till previye	2,500.00	2,500.00	2,500.00	2,500.00	2,500.00
	Net Loan opening		autoric do	2,500.00	2,500.00	2,500.00
_	Increase decrease due to FERV					
_	Increase decrease due to ACE					
_	Total		-	20		
_	Repayment of loan during the year					-
_	Net loan closing					
-	Assurage net loan	- (-)		-		
	Rate of Interest on Ioan	9.2000%	9.2000%	9.200016	9.2000%	9.2000%
-	Interest on loan					
5	UCO Bank-II D7					
Ŧ	Gross Drawl opening					
-	Curamulative repayment of drawl till prev yr	5,000.00	5,000,00	5,000.00	5,000.00	5,000.00
Ī	Net Loan opening	5,000.00	5,000,00	5,000.00	5,000.00	5,000,00
	Increase decrease due to FERV	-	- 2		-	
Ī	Increase decrease due to ACE					
	Total					
	Repayment of loan during the year		-			
	Net loan closing				-	
	Average net loan		-			- 6
	Rate of interest on loan	9.2000%	9.2000%	0.300001		1140100
	Interest on loan	9200m	9.2000%	9.2000%	9.2000%	9.2000%
						141
_	UCO Bank-II D8					
	Grass Drawl opening	5,000.00	5,000.00	5,000.00	5,000,00	E 000 00
	Cummulative repayment of drawl till previye	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
_	Net Loan apening		1741	-	0,000.00	5,000.00
_	Increase decrease due to FERV					
	Increase decrease due to ACE					
_	Total	41	- 4			-
-	Repayment of loan during the year					1
-	Net loan closing Average net loan	-		- 3	- 2	- 2
	Rate of interest on loan	-		+	4	· ·
	Interest on loan	9 2000%	9.2000%	9.2000%	9.2000%	9.2000%
	20.0017001					
	UCO Bank-II D9					
	Gross Drawl opening	16,000.00	10.555	Take the second second		
	Cummulative repayment of drawl till prev yr	10,000,00	10,000.00	10,000.00	10,000.00	10,000.00
	Not Loan opening	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
ĺ	Increase decrease due to FERV			-		
1	Increase decrease due to ACE					
	Total	2				
	Repayment of loan during the year				-	-
	Not loan closing	-				10-6
	Average out loan					-
	Rate of interest on loan	9.2000%	9.2000%	9.2000%	9.2000%	6.2000%
	Interest on loan		-	2	0.200076	9.2000%
	Holon Bank of Yallian Bank					-
	Union Bank of India-II D3					
-	farmer firmed done in a	40,000,00	10,000.00	10,000.00	10 000 00	G 9 5 4 4 4 4 4 5 5 1
-	Gross Drawl opening Cummulative repayment of drawl till prev yr	10,000.00	10,000.00	10,000.00	10,000:00	10,000,00

	Name of the Generating Station: Bark STPS Stage - II (MW)	2X660	+0			FOR	
S.No	Particulars			4	Ł	Rs.	
2.140		2019-20	2020-21	2021-22	2022-23	2023-	
-	Net Loan opening	7,500.00	8,500.00	5,500.00	4,500.00	3,	
_	Increase decrease due to FERV						
	Increase decresse due to ACE Total						
_		7,500,00	6,500.00	5,500.00	4,500.00	2,	
	Repayment of loan during the year	1000.00	1000,00	1000.00	1000.00		
_	Net loan closing	6,500.00	5,500.00	4,500.00	3,500.00	2,	
_	Average not loan	7,000.00	6,000.00	5,000.00	4,000.00	3,	
_	Rate of interest on loan	8.0795%	6.7019%	6.0000%	€ 0000%	6.	
	interest on loan	565.57	402.12	300.00	240.00		
59	Union Bank of India-II D4						
-	Gross Drawl opening						
7	Cummulative repayment of drawl till prev yr	5,000,00	5,000.00	5,000.00	5,000.00	5.0	
	Net Loan opening	1,250.00	1,750.00	2,250.00	2,750.00	3,2	
	Increase decrease due to FERV	3,750.00	3.250.00	2,750.00	2,250.00	1,7	
	Increase decrease due to ACE						
_	Total						
	The state of the s	3,750.00	3,250.00	2,750.00	2,250.00	1,7	
	Repayment of loan during the year Net loan closing	500,00	500.00	500.00	500.00		
		3,250.00	2,750.00	2,250.00	1,750.00	1,2	
	Average net loan	3,500.00	3,000.00	2,500.00	2,000.00	1,5	
	Rate of Interest on Ioan	8.0795%	6.7019%	6.0000%	6.0000%	6.0	
	Interest on loan	282.78	201.06	150.00	120.00		
60	Union Bank of India-II D9						
	Gross Drawl opening						
		5,000,00	5,000.00	5,000.00	5,000.00	5,00	
	Communicative repayment of drawl till previye	1,250,00	1,750.00	2.260.00	2,750.00	3,25	
	Net Loan opening Increase decrease due to FERV	3,750.00	3,250.00	2,750.00	2,250.00	1,75	
	The state of the s						
	Increase decrease due to ACE Total				010		
	- Children and the second seco	3,750.00	3,250.00	2,750.00	2,250.00	1.75	
	Repayment of loan during the year	500.00	500.00	500.00	500.00	50	
	Net loan closing	3,250.00	2,750.00	2,250.00	1,750.00	1,25	
	Average net loan Rate of Interest on Joan	3,600.00	3,000.00	2,500.00	2,000.00	1,50	
	Control Contro	8.0795%	6.7019%	6.0000%	6.0000%	8.00	
	Interest on loan	282.78	201.06	150.00	120.00	9	
	Union Bank of India -II D12					==:7;4	
	Gross Drawl opening						
	Cummulative repayment of drawl till previye	10,000.00	19,000.00	10,000.00	10,000.00	10,000	
	Net Loan opening	2,500.00	3,500.00	4,500.00	5,500.00	6,500	
_	Increase degreese due to FERV	7,500.00	8,500.00	5,500.00	4,500.00	3,500	
	Increase decrease due to ACE						
	Total	1 90700000					
	Repayment of Idan during the year	7,600.00	6,600.00	5.500.00	4,500.00	3,500	
	Net loan closing	1000,00	1000.00	1000.00	1000.00	100	
	Average net loan	6,500.00	5,500.00	4,500.00	3,500.00	2,500	
	Rate of interest on loan	7,000.00	6,000.00	5,000.00	4,000.00	8,000	
	Interest on loan	8.0795%	6,7019%	6.0000%	6.0000%	6.000	
	man escari (cess	565,57	402.12	300.00	240.00	180	
	United Bank of India-IV T-1-D-1						
	Gross Drawl opening						
_	Cummulative repayment of drawl till prev yr	2,500,00	2,500.00	2,500 00	2,500.00	2,500	
	Not Loan opening	937.50	2,500.00	2,500.00	2,500.00	2.500	
\neg	increase decrease due to FERV	1,562.50			-		
- 1	Incresse decrease due to ACE						
	Total	Mesorson					
_		1,562.50	-				
1.0	Repayment of loan during the year	1562.50					
\neg	Net loan closing		*	- EN	(*)		
	Average not loan	781.25				-	
_	Rate of interest on learn	8.2277%	8.1500%	8.1500%	8.1500%	B.1500	
-10	nterest on loan	64,28	- 10 - 17 - 17		20	Contract Con	

	Name of the Company: NTPC Ltd Name of the Generating Station: Barh STPS Stage - II (2X6)	50				FOR
	MW)					
S.No.	Particulars	2019-20				Rs. i
63	Vijay Bank -IV T-1-D-4	2018-20	2020-21	2021-22	2022-23	2023-2
	Gross Drawl opening	2,900,00	2 000 86			
	Cummulative repayment of drawl till prev yr	2,278,46	2,900.00	2,900.00	2,900.00	2,9
	Net Loan opening	821.54	207.27	2,900.00	2,900.00	2,9
	Increase decrease due to FERV	35,181	201.27			
	Increase decrease due to ACE					
_	Total	621.54	207.27		7/2	
_	Repsyment of loan during the year	414.26	207.27			
	Not lose closing	207,27		- 1		
	Average net loan	414.41	103.64	2.0		
	Rate of interest on loan interest on loan	8,0117%	7.2048%	0.0000%	0.0000%	0.0
	interest on soon	33.20	7,47			- 72
64	Vijaya Bank -V T1 D1					
04	Gross Drawl opening					
	Cummulative repayment of drawl till prev yr	2,500,00	2,500.00	2,500.00	2,500.00	2,50
	Net Loan opening	1,428 57	1,607,14	2,500.00	2,500.00	2,50
	increase decrease due to FERV	1,071.43	092.86		- S	
	Increase decrease due to ACE					
	Total	4.079(48)	174400-0			
	Repayment of loan during the year	1,071,43	892.86	4		
	Net loan closing	178.57 892.8E	892.86			
	Average net loan	982.14	446.43			
	Rate of interest on loan	8.0117%	7.2048%	7.1500%		7/2-22
	Interest on loan	78.69	32.15	7.1300%	0.0000%	0.00
-						
5	Bank of India -II T-1-D-6					
	Gross Drawl opening	11,000.00	11.000.00	11,000.00	11,000.00	11,000
-	Cummulative repayment of drawl till prev yr	20	1,100.00	11,000,00	11,000.00	11,000
-	Net Loan opening	11,000.00	9,900.00			111300
	Increase decrease due to FERV					
	Increase decrease due to ACE Total		- 2			
	Repayment of loan during the year	11,000.00	9,900.00			
	Net loan closing	1100.00	9930.00			
	Average net loan	9,900.00	Telephone I	-		
	Rate of interest on loan	10,450.00 5.0783%	4,950.00	The sea block		1
	Interest on loan	844.18	8:8452% 338.89	6.7000%	6.7000%	6 700
		314.10	330.66	-	-	_
	Syndicate Bank -III D-10 repayment from					_
_	Gross Drawf opening	10,000,00	10,000.00	19,000.00	10,000.00	10,000
	Cummulative repayment of drawl till prev yr	3,125,00	4,375.00	5,525.00	6,875.00	8,125
_	Net Loan opening	6,875.00	5,625.00	4,375.00	3,125.00	1,876
	Increase decrease due to FERV					(3410)
- 1	normase decrease due to ACE					
	Total	6,875.00	5,625.00	4,375,00	3,125.00	1.875.
	Repayment of loan during the year Vet loan closing	1250.90	1250,00	1250.00	1250.00	1250
	ver roan closing	5,625.00	4,375.00	3,125.00	1,875.00	625.0
	Rate of Interest on loan	6,250.00	5,000.00	3,750.00	2,500.00	1,250
	interest on loan	8.1036%	7.3004%	7.2000%	7.2000%	7.2000
1		506,47	365.02	270.00	180.00	90.0
	Syndicate Bank -III D-11 repayment from					
S				*******	38 22 22	52701.6617
	iross Drawl opening	10,000,00	40 000 oo 1		10 000 00 1	10,000.0
G		10,000.00	10,000.00	10.000.00	10,000.00	
G N	iross Brawl opening immulative repayment of drawl till provyr et Loan opening	3,125,00	4,375.00	5,625.00	6,875.00	8,125.0
G N	cross Drawi opening immulative repayment of drawi till prev yr	Control Control Control Control				8,125.0
G N In	iross Brawl opening immulative repayment of drawl till provyr et Loan opening	3,125,00	4,375.00	5,625.00	6,875.00	8,125.0
G N In	iross Brawl opening immulative repayment of drawl till prev yr let Loan opening increase doorease due to FERV increase decrease due to ACE	3,125,00	4,375.00 5,625.00	5,625.00 4,375.00	6,875.00 3,125.00	8,125.0 1,875.0
G N In In	iross Brawl opening immulative repayment of drawl till prev yr let Loan opening increase docrease due to FERV increase decrease due to ACE potal epsyment of loan during the year	3,125.00 6,876.00	4,375.00	5,625.00 4,375.00 4,375.00	6,875.00 3,125.00 3,125.00	8,125.0 1,875.0 1,875.0
G N In In To Re	iross Brawl opening immulative repayment of drawl till prev yr let Loan opening increase doorease due to FERV increase decrease due to ACE	3,125.00 6,875.00 6,875.00	4,375.00 5,625.00 5,625.00	5,625.00 4,375.00	6,875.00 3,125.00	8,125.0 1,875.0

Prepaid on 24/08/2020

Prepaid on 07/12/2020

	Name of the Generating Station: Barh STPS Stage - II (2) MW)					
S.No.	Particulars	2007.00	9955 51	****		Rs. in lai
LIVO	Rate of interest on loan	2019-20	2020-21	2021-22	2022-23	2023-24
	Interest on loan	8.1036%	7.3004%	7.2000%	7.2000%	7.2000
	interest on loan	508.47	365.02	270.00	180,00	90.0
18	PFC-V-T-1-D-13					
-	Gross Drawl opening	20,000.00	20 000 00	20.000.00	22 222 22	
	Cummulative repayment of drawl till prey yr	20,000.00	20,000.00	20,000.00	20,000,00	26,000.00
	Net Loan opening	20,000.00	20,000.00	20,000.00	20,000,00	20,000.00
	Increase decrease due to FERV		- 34		-	-
	Increase decrease due to ACE		_			
	Total			-		-
	Repayment of loan-during the year	0.00	0.00	0.00	0.00	0.0
	Net loan closing			9.50		0.0
	Average net loan					
	Rate of interest on loan	8.7000%	8.7600%	8.7600%	8.7500%	8,78005
	Interest on loan		0.7000.0	0.700076	a,7000 m	77.000.000.000
	PFC-V-T-1-D-18					
	Gross Drawi opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Cummulative repayment of drawl till prev yr	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	Net Loan opening	1,000.50	1,000.00	1,000.00	1,000,00	1,000.00
	Increase decrease due to FERV				***	**
	Increase decrease due to ACF					
	Total					
	Repayment of lean during the year					-
	Net loan closing		2			
	Average net loan			97		- 1
	Rate of interest on loan	8.6400%	8 5400%	8.6400%	8.6400%	
	Interest on loan	0.040.70	11.040076	0.040074		8.6400%
				-		1200
70	PFC-V-T-1-D-20					
	Gross Drawl opening	6,000.00	6,000.00	8,000.00	6,000,00	6,000.00
_	Cummulative repayment of drawl till prev yr	6.000.00	6,000.00	8,000.00	6,000.00	1017/1933
	Net Loan opening	0,000.00	4,000,00	5,000.00	0,002,00	6,000.00
_	Increase decrease due to FERV		-	-	- 1	
	Increase decrease due to ACE					
	Total		- 1	134	-	
	Repayment of loan during the year				- : -	
_	Net loan closing	- 9	- 5			
	Average net loan			- 320	83	
	Rate of Interest on Ioan	8.4000%	8,4000%	8.4000%	8.4030%	D 40hoet
	Interest on loan	0.4000.4	0,400078	g.sungar.	D. 40/JUN	8.4000%
	PFC-V-T-1-D-22			_		
	Gross Drawl opening	5,500.00	5,500.00	5,500.00	5,500.00	£ 500.00
	Cummulative repayment of drawl till prev yr	5,500.00	5,500.00	5,500.00	24222777777	5,500.00
	Net Loan opening	5,500.00	5,500.00	5,500.00	5,500.00	5,500.00
	Increase decrease due to FERV				-	- 0
	Increase decrease due to ACE					
	Total		-		-	-
Ī	Repayment of loan during the year	-				
	Net loan closing					- 3
	Average not loan		- 1			
Ī	Rate of interest on loan			7.00000	720000	- Amanasi
	Interest on Ioan	7.6200%	7.6200%	7.6200%	7.6200%	7.6200%
	1	-			-	-
	PFC-V-T-1-D-23					
	Gross Drawl opening	3 500 00	a see on	2.500.00	0.500.00	
	Cummulative repayment of drawl till prev yr	2,500.00	2,500.00	2,500.00	2.500.00	2,500.00
	Net Loan opening	2,500.00	2,500.00	2.500.00	2,500.00	2,500.00
	Increase decrease due to FERV		-			4
	Increase decrease due to ACE					
	Total					المل
	I See See See See See See See See See Se	. 4	-		2000	

	MW)				- [
S.No.	Particulars	2019-20	2020 24	2024 92	2000 00	Rs. in la
240	Repayment of loan during the year		2020-21	2021-22	2022-23	2023-24
_	Net loan closing		-			
	Average net loan					-
	Hate of interest on loan	7,4300%	7.4300%	7.4300%	7,4300%	7.4000
	Interest on loan	1,430071	7.4300%	7,4300%	7.430076	7.4300
73	PFC-V-T-1-D-29					
	Gross Drawl opening	13,000,00	13,000.00	12,000,00	13,000.00	13,000.0
	Cummulative repayment of drawl till previye		-	13,000.00	13,000.00	13,000.0
	Net Loan opening	13,000.00	13,000.00		1111/20/20/20	-
	Increase decrease due to FERV					
_	Increase decrease due to ACE					
	Total	13,000.00	13,000.00	- Y	31	35
	Repayment of loan during the year		13,000.00	-	· 180	33
	Net loan closing	13,000.00		-		
_	Average net loan	13,000.00	6,500.00	-	- 3	+
-	Rate of interest on loan	7.7800%	7.3100%	7.3100%	7.3100%	7.3100
_	Interest on loan	1,008.60	475.15	-	- 1	- :
7.0	PFC-V-T-1-D-31					
74	The State of the S				2222-224	.,,88787
	Cummulative repayment of drawl till prey ye	4,000.00	4,000.00	4,000,00	4,000.00	4,000.00
	Not Loan opening	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
	Increase decrease due to FERV	4,000.00	4,000,00			
	Increase decrease due to ACE				_	
	Total	4,000.00	4,000.00	28	8	1.0
	Repayment of loan during the year		4,000.00			
	Net loan closing	4,000.00				
	Average not loan	4,000,00	2,000.00			-
	Rate of interest on loan	7.4400%	7.4400%	7.4400%	7.4400%	7.44009
	Interest on loan	297.60	148.80			+
75	PFC-V-T-1-D-33					
_	Gross Drawl opening	8,000.00	8,000.00	8,000.00	8,000,00	8,000,00
	Cummulative repayment of drawl till pray yr			8,000.00	8,000.00	8,000.00
	Net Loan opening	8,000.00	8,000.00	T PS (-	- 2
_	Increase decrease due to FERV					
_	Increase decreese due to ACE					
	Total	8,000.00	8,000.06	240	21	- 4
_	Repayment of loan during the year		90.000,8	160	9	- 3
_	Net loan closing	8,000.00	172,000		-	_
	Average net loan Rate of interest on loan	8,000.00	4,000.00	7.00000	7	The back and
	Interest on loan	7.8300%	7,8300%	7.8300%	7.8300%	7.8300%
		626.40	313.20			
76	PFC-V-T-1-D-36		-			
	Gross Drawl opening	27,500.00	27;500:00	27,500.00	27.500.00	27,500.00
	Cummulative repayment of drawl till prev yr	W-1900000	E. Deres A.A.	27,500.00	27,500.00	27,500.00
	Net Loan opening	27,500.00	27,500.00	10,250,000	2.1300.30	47,000.00
	Increase decrease due to FERV		70.00000			
	Increase decrease due to ACE					
	Total	27,500.00	27,500.00		-	
	Repayment of loan during the year		27,500.00	-		- 5
	Net loan dosing	27,500.00	- 1			
	Average net loan	27,500.00	13,750.00			-
	Rate of interest on loan	8.3000%	8.3000%	8.3000%	8.3000%	6.3000%
	Interest on loan	2,262,50	1,141.25			343000000 (#)
_						
7	PFC-V-T-1-D-37					
	Gross Drawl opening	8,000.00	8,000.00	8,000.00	8,000.00	8,000.00
	Commulative repsyment of drawl till prey yr		-	8,000.00	8,000.00	000008
_	Net toan opening	8,000.00	8,000.00			

	Name of the Generating Station: Bark STPS Stage - II (MW)					
s.N	o. Particulars				13	Rs. in lai
	Increase decrease due to FERV	2019-20	2020-21	2021-22	2022-23	2023-24
	Increase decrease due to ACE					
	Total	5.000.00	14 924 927			
	Rapsyment of loan during the year	9,000.00	8,000.00			
	Net loan closing	8,000,00	8,000.00	-		
	Average not loan	8,000.00	10000	•		
	Rate of interest on loan	8.2500%	4,000.00 8,2500%	T OF SALE		
	Interest on loan	550 DQ	330.00	8.2500%	8.2500%	8.2500
		300 30	330.00		-	
70	PFC-V-T-1-D-38					
_	Gross Drawl opening	2,000.00	2,000.00	2,000:00	2,000.00	2.000.00
	Cummulative repayment of drawl till previye			2,000.00	2,000.00	2,000,00
_	Net Loan opening	2,000.00	2,000.00		2,000,00	2,000.00
_	Increase decrease due to FERV		========			
-	increase decrease due to ACE					
_	Total	2,000.00	2,000.00		-	
_	Repayment of loan during the year		2,000.00		- 2	
-	Not loan closing	2.000.00	-			
_	Average not loan	2,000.00	1,000.00		-	
_	Rate of interest on loan	8.2300%	8.2300%	8.2300%	8.2300%	8.2300%
	Interest on loan	154.60	82.30			
9	Allahabad Bank -IV D1				100	
-	Gross Drawl opening					
	Cummulative repayment of drawl till prev yr	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
3	Net Loan opening	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
_	Increase docrease due to FERV	-		-		
	Increase decrease due to ACE		_			
	Total					
	Repayment of loan during the year	-				+-
	Net loan closing					
Ξ	Average net loan		-	-		- 4
	Hate of interest on loan	9.5500%	9.5500%	0.55000	0.7546	
	Interest on laen		6.555576	9.5500%	9.5500%	9.5500%
	State Bank of India-VIII D-4					
_	Gross Drawl opening	2,300.00	2,200.00	2,300.00	2,300.00	2,300 00
	Cummulative repayment of drawl till prov yr				255.56	511.11
	Net Loan opening	2,300.00	2.300.00	2,300.00	2.044.44	1,788.89
_	Increase decrease due to FERV					7,700.00
	Increase ducreise due to ACE					
	Total	2,300.00	2,300,60	2,300.00	2,044,44	1,788.89
_	Repayment of loan during the year		Ŧ	255.56	255,56	255.56
	Net loan closing	2,300.00	2,300.00	2,044,44	1,788.89	1,533.33
	Average net loan	2,300.00	2,300.00	2,172.22	1,916.67	1,661.11
-	Rate of interest on loan	7.9342%	6.8560%	6.6500%	8.6500%	6.6500%
-	Interest on loan	182.49	157.69	144.45	127.46	110,46
	State Bank of India-VIII D-8					
	Gross Drawl opening					
	Cummulative repayment of drawl till previye	2,200.00	2,200.00	2,200.00	2.200.00	2,200.00
-	Net Loan opening	4040000	-	-	244.44	488.89
	Increase decrease due to FERV	2,290.00	2,200.00	2,200.00	1,955.55	1,711.11
	WEST STATE OF THE		7.7.0			
	Increase decrease due to ACE	2.2222.2		2 222 24	1,955.56	1,711.11
	Increase decrease due to ACE Total	2,200,00	2,200.00	2,200.00		
	Increase decrease due to ACE Total Repayment of loan during the year	= 1		244.44	244.44	244.44
	Increase decrease due to ACE Total Repayment of loan during the year Net loan closing	2,200.00	2,200.00	244.44 1,955.56	244.44 1,711.11	
	Increase decrease due to ACE Total Repayment of loan during the year	2,200.00 2,200.00	2,200.00 2,200.00	244.44 1,955.56 2,077.76	244.44 1,711.11 1,833.33	244.44 1.466.67 1.588.99
	Increase decrease due to ACE Total Repayment of loan during the year Net loan closing Average net loan	2,200.00 2,200.00 7,5942%	2,200.00 2,200.00 6,8560%	244.44 1,955.56 2,077.76 6,8500%	244.44 1,711.11 1,833.33 6,6500%	244.44 1,466.67 1,588.69 6,6500%
	Increase decrease due to ACE Total Repayment of loan during the year Net loan closing Average net loan Rate of interest on loan	2,200.00 2,200.00	2,200.00 2,200.00	244.44 1,955.56 2,077.76	244.44 1,711.11 1,833.33	244.44 1.466.67 1.588.99



	Name of the Generating Station: Both STPS Stage - II (2 MW)	X660				FORM-
	2000				L	Rs. in l
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	2023-24
	Gross Drawl opening	1,800.00	1,800.00	1,800.00	1,800.00	1,800
_	Commulative repayment of drawl till prev yr	1		-	200.00	400
_	Net Losn opening	1,800.00	1,800.00	1,800.00	1,600.00	1,400.
	Increase decrease due to FERV					
_	Increase decrease due to ACE		- 9			
_	Total	1,600.00	1,800.00	1,800.00	1,600.00	1,400
_	Repayment of Ican during the year			200.80	200.00	200.
_	Net loan closing	1,800,00	1,800.00	1,600.00	1,400.00	1,200
	Average net loan	1,800.00	1,300.00	1,700.00	1,500.00	1,300.0
	Rate of interest on loan	7.9342%	6.8560%	6.6500%	6,6500%	8,6500
_	Interest on loan	142.81	123.41	113.05	99.75	86.4
00	State Bank of India-VIII D-15					
83						
_	Gross Drawl opening	1,500.00	1,500.00	1,560.00	1,500.00	1,500.0
_	Cummulative repsyment of drawl till proviyr	-			168 67	333.3
_	Net Loan opening	1,500.00	1,500.00	1,500.00	1,333.33	1,166.6
	Increase decrease due to FERV					- function
-	Increase due to ACE					
_	Total	1,500.00	1,500.00	1,500.00	1,333.33	1,186.6
_	Repayment of loan during the year		- 4	196,67	166.67	156.5
	Net loan closing	1,500.00	1,500.00	1,333.33	1,168.67	1,000.0
	Average net loan	1,500,60	1,500.00	1.416.67	1,250,00	1,083.3
_	Rate of Interest on loan	7.9342%	6.8560%	6.6500%	6,6600%	6.6500
-	Interest on loan	119.01	102.84	94.21	83.13	72.04
	Uncon a Little was					
14	HDFC Bank LtdIII					
-	Gross Drawf opening	5,700.00	5,700.00	5,790.00	5,700,00	5,700.00
-	Cummulative repayment of drawf till prev yr	-			633.33	1,266.67
	Net Loan opening	5,700,00	5,700.00	5,700.00	5,068.67	4,433,33
-	Increase decrease due to FERV					
_	Increase decrease due to ACE					
	Total	5,700.00	5,700.00	5,700.00	5,066 87	4,433.33
-	Repayment of loan during the yeer			633.33	633.33	633.33
-	Net loan closing	5,700.00	5,700.00	5.088.67	4,433.33	3,800.00
-	Average net loan	5,700.00	5,700.00	5,363.33	4,750.00	4,116.67
-	Rate of interest on foan	8.0594%	6.3982%	5.9500%	5,9500%	5 9500%
-	Interest on lose	459.39	384.70	320.31	282.63	244.94
	Chat Day Late 1					110
	State Bank of India-VIII D-21					
_	Gross Drawl opening	800.00	800.00	800.00	800.00	800.00
	Cummulative repayment of drawl till prev yr	-			88.69	177.78
	Net Loan opening	800.00	800.00	800:00	711.21	622.22
- 1	Increase decrease due to FERV					7533.55
	Increese decrease due to ACE					
\rightarrow	Total	800.00	900,00	890,00	711.11	622.22
	Repayment of loan during the year		- 1	88.89	88.89	88.89
\neg	Net loan closing	800.00	800.00	711.11	622.22	533.33
_	Average net Ican	800.00	800.00	765.56	686.67	577.78
F	Rate of interest on lean	8.0594%	6.3962%	5.9500%	5.9500%	5.9500%
- 1	nterest on loan	64.48	51.19	44.96	39.67	34.38
12	CICI-IV D5					
_	rest Drawl opening	800.00	800.00	600.00	800.00	800.00
	Jummulative repayment of drawl till prey yr	800.00	800.00	800.00	800.00	800.00
N	let Loan opening			-	+	500.00
le	crease decrease due to FERV	100				
- li	ncrease decrease due to ACE					
_	otal					
R	epsyment of loan during the year					-
TV.	et loan closing		99			
A	verage not loan					-
	ate of interest on loan		17.000		*	1.00

Prepaid on 01/01/19

Stender

	Name of the Company: NTPC Ltd Name of the Generating Station: Barh STPS Stage - II (2X660				FORM
	MW)					<u> </u>
S.No.	Particulars	2019-20	2020-21	2021-22	2022-23	Rs. in
	interest on foan			A021-22	2022-23	2023-24
- Charles	Inman 0 K. J. J. B. J. S. J.					
87	Jammu & Kashmir Bank-IV D2					
_	Gross Drawl opening	3,000 00	3,000.00	3,000.00	3,000.00	3,000
	Cummulative repayment of drawl till prev yr Net Loan opening			333.33	686.67	1,000
	Increase decrease due to FERV	3,000.00	3,000.00	2,665.67	2,833.33	2,000
	Increase decrease due to ACE					
	Total	0.000.00				
	Repayment of loan during the year	3,000.00	3,000.00	2,688.67	2,333 33	2,000
	Net loan closing	3,000.00	333.38	333.93	333.33	333
	Average not loan	3,000.00	2,883.33	2,333,33	2,000.00	1,666
	Rate of Interest on Ioan	7.9880%	6.6804%	2,500.00 5.8600%	2,166.67	1,833
	Interest on loan	239.54	189.28	147.00	5.9800%	5.890
250-1	CON THE D		7,55,25	147.00	127.40	107.
88	SBI-IX D4					
	Gross Drawl opening	500.00	500,00	500.00	500.00	500
	Cummulative repayment of drawl till prev yr	- 1		55.58	111.11	160
	Net Loan opening	500.00	500,00	444.44	398.89	333.0
	Increase decrease due to FERV Increase decrease due to ACE		A-, V-		- AMILINES	-
	Total	201900				
	Repayment of loan during the year	500.00	500.00	444.44	388,89	333.3
	Net loan closing		55.56	55.56	55.56	55.5
	Average net loan	500.00	444.44	388.89	333.33	277.7
	Rate of interest on loan	7.8342%	472.22	418.67	361.11	305.5
	Interest on loan	39.67	6.8560%	6.6500%	8.6500%	6,6500
18	ICICI-VI D1		32.30	27,71	24.01	20.3
	Gross Drawl opening					
	Cummulative repayment of drawl till prevyr	1,000.00	1,000.00	1.000.00	1,000.00	1,000.00
	Net Loan opening	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
	normane decrease due to FERV		(2-1)	-	-	
	ncrease decrease due to ACE		-			
	ntal					
R	epayment of loan during the year				-	- 14
	let loan closing					-
	verage net loan			- 1		
R	ste of interest on loan	8.2949%	8.2949%	8.2949%	0.204081	2.00.000
in	Merest on loan		-	0434270	8.2949%	8.2949%
5	BI-X D-2					
	ross Orawl opening					
	immulative repayment of drawl till prev yr	1,500.00	1,500.00	1,500.00	1,500,00	1,500.00
Ne	M Loan opening	4 700'64		= =	2	-
11000	crease decrease due to FERV	1,500.00	1,500,00	1,500.00	1,500.00	1,500.00
	crease decrease due to ACE					
	(a)	1,500.00	1,500.00	1 500 00		
Re	payment of loan during the year	1,000 00	1,000.00	1,500.00	1,500.G0	1,500.00
Ne	rt loan closing	1,500.00	1,500:00	1,500.00	1 500 00	0.44135
100	crage net loan	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
11 11 11 11	te of interest on loan	7.9743%	6.8732%	6.6500%	1,500.00 6.6500%	1,500.00
linb	erest on loan	119.61	103,10	99.75	99.75	6.6500% 99.75
SB	NI-X D-4					14.74
	oss Drawl opening	200.00	1000	-		
	mmulative repayment of drawl till pray yr	500.00	500.00	500.00	500.00	500.00
	Loan opening	500.00	500 00	1	-	-
liner	rease decreese due to FERV	300.00	500.00	500.00	500.00	500.00
	ease decrease due to ACE					
Tota		500.00	500,00	500.00	500.00	Erro no
	eyment of loan during the year.	The state of the s	550,50	244,66	000.00	500.00

Prepaid on 15/01/2019

Situation

	Name of the Generating Station: Barh STPS Stage - II (MW)	2X660				FOR
No.	Particulars	2019-20	2020-21	700v T	- L	Rs,
	Net loan closing	- 110000		2021-22	2022-23	2023-
	Average net loan	500.00	500.00	500.00	500.00	
	Rate of interest on loan		500.00	500.00	500.00	1
	Interest on loan	7,9743%		6.8500%	6,6500%	- 6
		39,07	34.37	33.25	33.25	_
92	HDFC Bank Ltd-V D3					
_	Gross Drawl opening	1,000.00	1,000.00	1,000.00	1,000.00	1.0
-	Cummulative repayment of drawl till previye	-				
_	Not Loan opening	1,000.00	1,000.00	1,000.00	1,000.00	1,0
	Increase decrease due to FERV					
	Increase decrease due to ACE Total	10000000				
		1,000.00	1,000.00	1,000,00	1,000.00	1,0
_	Repsyment of loan during the year Not loan closing		-			
		1,000.00	1,000.00	1,009:00	1,000.00	1,0
	Average not loan Rate of interest on loan	1,000,00			1,000.00	1,0
	Interest on loan	8.0588%	6.3962%	5.9600%	5,9500%	5.9
	The state of the s	80.59	63.58	59.50	59.50	
3	Punjab National Bank-IV D1					
	Grass Drawl opening	600,00	800.00	Contraction of	7242300	
	Cummulative rapayment of drawl till prevyr	555,00	500.00	900.00	800.00	30
	Net Loan opening	800.00	800.00	200.00		- 1
	Increase decrease due to FERV		220.00	800.00	800.00	
	Increase decrease due to ACE					
	Total	800.00	800.00 800.00		800.00	24
	Repayment of loan during the year			800.00	88.89	71
	Net loan closing	800.00	800.00	800.00	711,11	62
	Average net loan	800.00			755.5E	66
	Rate of interest on loan	8 0102%	6.8567%	5.9896%	5.9898%	5.96
-	Interest on loan	64.08	54.85	47.92	45.25	3
	Bank Of India-IV T1 D1				- ALISES	
	Gross Drawl opening			0.00000	2000000	12177
	Commulative repayment of drawl till prev yr		0.40	8,800.00	8,800,00	5,80
	Net Loan opening		-	0.000.00		
	Increase decrease due to FERV		-	8,800.00	8,800.00	8,800
	Increase decrease due to ACE		8.800.00		_	_
	Total		8,600.00	8.800.00	8,800,00	0.044
	Repayment of loan during the year			5,000,00	0,000,00	8,800
_	Net loan closing		6,800.00	8,800.00	8,800.00	8,800
	Average net loan		4,400.00	8,800.00	8,800.00	8,800
	Rate of Interest on loan		6.3500%	6.3500%	6.3500%	6.356
-	interest on loan		279.40	668.60	558.80	558
	HDFC Bank Ltd. IX D4				115500000	
	Gross Drawl opening		_	200000000000000000000000000000000000000		-
_	Cummulative repayment of drawl till prev yr		-	25,431.57	25,431.57	25,431
	Net Loan opening		-	*	- 2	
-	ncrease decrease due to FERV			25,431,57	25,431.57	25,431
- 1	ncrease decresse due to ACE		25,431.57			
1	fotal		25,431.57	25 494 57	W. 40. (CT	George
3	repayment of loan during the year		550551197	25,431.57	25,431,57	25,431.
٨	eet loan closing		25,431.57	25,431.57	25,431.57	25 444
_	verage net loan		12.715.79	25,431.57	25,431.57	25,431.
R	ate of interest on loan		6.6203%	5.3950%	6.3950%	25,431. 6:395
1	nterest on loan		841.82	1,626.35	1,626.35	1,826
10	Cotal Lawrence Comment				1000000	1,000
	otal Loan-Commulative					
	ross Drawl opening	7,80,297	7,81,697	8,78,428	8.78,428	8,78,42
	ummulative repayment of drawl till previyr	3,68,154	4,09,165	5,22,463	6,07,991	6,55,45
	et Loan opening	4,14,143	1001100	Diesi-ton	0,01,001	0,00,40

	Name of the Company: NTPC Ltd Name of the Generating Station: Barh STP5 Stage - II MW)	(ZX660	-;			FORM-13
5.No.	Particulars 2018-20 2020-21 2021-22 2022-22					
	Increase decrease due to ACE	100000	77.0	2021-22	2022-23	2023-24
	Total	1,400	96,732			F. 1
_	A STATE OF THE PROPERTY OF THE PARTY OF THE	4,83,119	5,38,839	4,23,541	3,36,013	7,83,046
	Repayment of loan during the year	43,011	1,13,298	85,528	21.072.5330	-
	Net loan closing	3,72,531			47,459	42,305
	Average net loan	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3,55,965	2,70,437	2,22,979	1,80,673
		4,60,913	4,31,824	3,80,777	3,10,530	2,58,139
_	Rate of interest on loan(%)	5.4049	5.9471	5,6378	5,4595	6,3385
	interess on journ	29,521	25,681	21,467	16,953	13,761

Vitualia

Name of the Company: NTPC Ltd

Name of the Generating Station: Barh STPS Stage - II (2X660 MW)

S.NO	(Antiquesco											
	BP No.	BANK	RATE OF INTEREST	From	То	No. of Days		Effective ROI				
								19-20	20-21	21-22	22-23	23-24
1 1	5050000202	Axis Bank	8.450%	01-Apr-19						1		23-24
	2-020-04-10-2		8.350%	22-Apr-19	21-Apr-19	21	1.7745					
			8.300%	22-Apr-19	21-Jun-19	61	5.0935					_
			8.250%	22-Jul-19	21-Jul-19	30	2.49					
			8.200%	22-Aug-19	21-Aug-19	31	2.5575					-
			8.100%	22-Sep-19	21-Sep-19 21-Oct-19	31	2.542					
			8.000%	22-Oct-19	21-Nov-19	30	2.43					_
			7.900%	22-Nov-19	21-Nov-19 21-Dec-19	31	2.48					
			7.800%	22-Dec-19	21-Mar-20	30	2.37					
			7.750%	22-Mar-20	31-Mar-20	91	7.098					
			7.750%	01-Apr-20	21-Apr-20	10	0.775	8.0903%	7			
_			7.600%	22-Apr-20	21-May-20	21	1.6275	551750000				
_			7.5500%	22-May-20	29-Jun-20	30	2.28					
_			71000070	EZ-Way-ZU	28-Jun-20	39	2.9445		7.6133%			
2 5	050000762	AXIS Bank-II	8.3000%	11-Jul-19	10-Aug-19	- 27	1					
			8.2500%	11-Aug-19	10-Sep-19	31	2.573					
_			8.2000%	11-Sep-19	10-Oct-19	31	2.5575			1,		
_			8.1000%	11-Oct-19	10-Nov-19	30	2.46					
_			8.0000%	11-Nov-19	10-Dec-19	31	2.511					
			7.9000%	11-Dec-19	10-Jan-20	30	2.4					
_			7.8000%	11-Jan-20	29-Jan-20	31	2.449					
-			7.6000%	30-Jan-20	25-Feb-20	19	1.482					
-			7.4500%	26-Feb-20	31-Mar-20	27	2.052					
_			7.4500%	01-Apr-20	25-Apr-20	35 25	2.6075	7.9592%				
_			6.700%	26-Apr-20	25-May-20	30	1.8625					
-			6.300%	26-May-20	31-Mar-21	30	2.01					
_			6.300%	01-Apr-21	31-Mar-22	310 365	19.53		6.4116%			
2 10	000001001				01-Widi-22	300	22.995			6.3000%	6.3000%	6,30009
3 5	050001001	Axis Bank-III	6.300%	24-Aug-20	31-Mar-22	585	00.000		- 2000			
				211100 20	31-Mai-22	505	36.855		6.3000%	6.3000%	6.3000%	6.3000%
4 50	050001161	AXIS Bank-II A	5.80%	23-11-2021	31-Mar-22	400						20.00
		and another section and	2.0070	13-11-103	3 I-Mai-22	129	7.482			5.8000%	5.8000%	5.8000%
5 50	050000361	Bank of India-II	8.300%	01-Apr-19	19-Jun-19							-
			8.350%	20-Jun-19	19-Aug-19	80	6.64					
			8.200%	20-Aug-19	08-Dec-19	61	5.0935		- 1	-1		
			7.950%	09-Dec-19	09-Dec-19	111	9.102					
			7.750%	10-Dec-19	09-Dec-19	1	0.0795					
			7.650%	10-Feb-20	09-Mar-20	62	4.805					
			7.400%	10-Mar-20	31-Mar-20	29	2.2185					
			7.250%	01-Apr-20		22	1.628	8.0783%	V			1
			7.000%	01-Jun-20	31-May-20 30-Jun-20	61	4.4225					
			6.900%	01-Jul-20	31-Jul-20	30	2.1			E_ E_ #		
			6.800%	01-Juj-20	31-Jul-20 31-Aug-20	31	2,139					
			6.750%	01-Sep-20	31-Aug-20 30-Sep-20	31 30	2.108				- 3	



			6.7009	6 01-Oct-20	06-Dec-20	67	1 1 222					
			6.7009		31-Mar-21	67	4.489					
6	5050000965				12-1891-10	115	7.705		6.8462%	6.7000%	6.7000%	6.700
0	3030000365	Bank Of India-III	7.000%	6 18-Jun-20	30-Jun-20	18						0,10
_			6.900%	10.0011.00		13	0.91					
			6.8009	21 241 20	31-Jul-20	31	2.139		WE			-
				- 103 50	31-Aug-20	31	2,108					-
			6.7509		30-Sep-20	30	2.025		1	-		
			6.700%	6 01-Oct-20	86-Dec-20	67	4.489	-	-			
						W	4,469		6.7855%			
7	5050001041						_					
40	3030001041	Bank Of India-IV	6.000%	07-Dec-20	31-Mar-22	400						
8	F0F0004004			0. 000 20	31-Mar-22	480	28.8		6.0000%	6.0000%	6.0000%	6.000
8	5050001081	Bank Of India-V	6.00%	04-Jan-21	24.14. 22						0.000078	0.00
-			0.007	04-3811-21	31-Mar-22	452	27.12		6.0000%	6.0000%	6.0000%	0.000
9	5050001121	Bank of India-V-A	E cros						1	9,000070	0.0000%	6.000
			5,65%	04-Jan-21	31-Mar-22	452	25.538		5.6500%	5.050000	-	
10	5050000154	Canara Bank-II	0.45004				40.000		3.0500%	5.6500%	5.6500%	5.650
		- Collection	8.450%	01-Apr-19	28-Jun-19	89	7.5205	8.4500%	-			
11	5050000351	Canara Bank-III	0.4500/				7,0200	0.430074	_			
			8.450%	01-Apr-19	22-Jul-19	113	9.5485			-		
			8.400%	23-Jul-19	22-Aug-19	31	2.604			-		
			8.300%	23-Aug-19	22-Sep-19	31	2.573					
			8.200% 8.150%	23-Sep-19	22-Nov-19	61	5.002					
			7.900%	23-Nov-19	22-Dec-19	30	2.445			-		
			7.650%	23-Dec-19	22-Feb-20	62	4.898					
			7.650%	23-Feb-20	31-Mar-20	38	2.907	8.1906%				
_			7.500%	01-Apr-20	22-Apr-20	22	1.683					
_			7.300%	23-Apr-20	22-Jun-20	61	4.575					
_			7.200%	23-Jun-20	22-Jul-20	30	2.19					
_			7.000%	23-Jul-20	22-Aug-20	31	2.232					
-	FORMAL		1,00075	23-Aug-20	31-Mar-21	221	15.47		7.1644%	7.0000%	7.000007	=
	5050000142	Central Bank of India-IV	8.2500%	01 000 10					7.104470	7.0000%	7.0000%	7.000
-			8.2000%	01-Apr-19 01-May-19	30-Apr-19	30	2,475					
-			0.200075	01-May-19	28-Jun-19	59	4.838	8.2169%			-	
3	5050000362	Central Bank of India-V	8.2500%	01-Apr-19		19505		175010-0			_	
-			8.2000%	01-Apr-19	30-Apr-19	30	2.475	1				_
\rightarrow			8.1500%	01-Jul-19	30-Jun-19	61	5.002				-	
-			7.9500%	01-Sep-19	31-Aug-19	62	5.053				_	_
-			7.9000%	01-Oct-19	30-Sep-19	30	2.385			_	_	
+			7.8500%	01-Nov-19	31-Oct-19 31-Dec-19	31	2,449					_
+			7.8000%	01-Jan-20	31-Jan-20	61	4.7885				_	_
-			7.5500%	01-Feb-20		31	2.418				-	_
-			7.5000%	01-Mar-20	29-Feb-20 31-Mar-20	29	2.1895					_
-			7.450%	01-Apr-20	30-Apr-20	31	2.325	7.9467%				
-			7.050%	01-May-20		30	2.235					
+			7.000%	01-Jun-20	31-May-20	31	2.1855			-	-	_
-			6.750%	01-Jul-20	30-Jun-20	30	2.1				-	_
-			6.650%	01-Aug-20	31-Jul-20	31	2.0925				-	
-			6.600%	01-Sep-20	31-Aug-20 30-Sep-20	31	2.0615				-	_
-			6.550%	01-Oct-20		30	1.98			-		_
-			6.550%	01-Oct-20	31-Mar-21	182	11.921		6.7330%			
1 5	050000331		1	J. FINANCE	31-Mar-22	365	23.9075			6.5500%	6.5500%	6.55009
A 101	0000000331	Corporation Bank-III	8.200%	01-04-2019	24-09-2019					The second second	w.uuuuy70	v.30007

Thurston

-			8.050%	25-09-2019	24-10-2019	20	1 2 12-					
-			8.000%	25-10-2019	24-10-2019	30	2.415					
			7.850%	25-12-2019	24-01-2020	61	4.88					
_			7.750%	25-01-2020	24-02-2020	31 31	2.4335					
_			7.600%	25-02-2020	24-04-2020	60	2.4025					
_			7.350%		24-May-20	30	4.56					
			7.250%	25-May-20	24-Jun-20	31	2.205		9.5			
	_		7.150%		24-Jul-20	30	2.2475		1			
	_		6.950%	25-Jul-20	24-Aug-20	31	2.145					
			6.800%	25-Aug-20	24-Sep-20	31	2.1545					
			6.750%	25-Sep-20	30-Nov-20	67	2.108 4.5225	_				
			6.000%	01-Dec-20	31-Mar-22	486	29.16					100
15	5050000721	Corporation Reviews				400	29.10	-				
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Corporation Bank-IV	8.2500%	01-Apr-19	10-Apr-19	10	0.825	-				
			8.2000%	11-Apr-19	10-Oct-19	183	15.006					
			8.0500%	11-Oct-19	10-Nov-19	31	2.4955		-			
		-	8.0000%	11-Nov-19	10-Jan-20	61	4.88					
			7.8500%	11-Jan-20	10-Feb-20	31	2.4335					
			7.7500%	11-Feb-20	10-Mar-20	29	2.2475				No.	
			7.6000%	11-Mar-20	31-Mar-20	21	1.596	8.0556%	_			
			7.8000%	01-Apr-20	10-Apr-20	10	0.76	0.000078		-		
			7,350%	11-Apr-20	10-May-20	30	2.205		_	-		6 3
-			7.250%	11-May-20	19-Jun-20	31						
_			7,150%	11-Jun-20	10-Jul-20	170000	2.2475					
			6.950%	11-Jul-20		30	2.145					
			The second secon		10-Aug-20	31	2.1545					
			6.800%	11-Aug-20	10-Sep-20	31	2.108				_	-
			6.750%	11-Sep-20	30-Nov-20	81	5.4675			-	-	
			6.000%	01-Dec-20	31-Mar-21	121	7.26					
			6.000%	01-Apr-21	31-Mar-22	365			6.6705%			
16	5050000231				V1-18(d)-22	900	21.9			6.0000%	6.0000%	6.0000%
	5050000231	HDFC Bank Limited-II	8.450%	01-Apr-19	30-Jun-19	91	7.000					
_			8.400%	01-Jul-19	28-Jul-19	28	7.6895					
			8.300%	29-Jul-19	28-Aug-19	31	2.352		1			
			8.200%	29-Aug-19	28-Sep-19	31	2.573					
			8.100%	29-Sep-19	28-Oct-19	30	2.542					
			8.000%	29-Oct-19	30-Nov-19	33	2.43					
			7.650%	01-Dec-19	29-Feb-20	91	6.9615					
			7.450%	01-Mar-20	31-Mar-20	31	2.3095	0.050.444				
-31			7.450%	01-Apr-20	31-May-20	61	4.5445	8.0594%				
			6.300%	01-Jun-20	23-Dec-20	206	12.978		_			
			5.950%	24-Dec-20	31-Mar-21	98	5.831		0.000000			
				01-Apr-21	31-Mar-22	365	21.7175		6.3982%	navida s		
			5.950%	01-7101-21						5.9500%	5.9500%	5.9500%
7	5050000421	HDEC Rook I to the d III					-					
7	5050000421	HDFC Bank Limited-III	8.450%	01-Apr-19								
17	5050000421	HDFC Bank Limited-III	8.450% 8.400%		30-Jun-19	91	7.6895					
7	5050000421	HDFC Bank Limited-III	8.450% 8.400% 8.300%	01-Apr-19 01-Jul-19 29-Jul-19	30-Jun-19 28-Jul-19	91 28	7.6895 2.352					
7	5050000421	HDFC Bank Limited-III	8.450% 8.400% 8.300% 8.200%	01-Apr-19 01-Jul-19 29-Jul-19 29-Aug-19	30-Jun-19 28-Jul-19 28-Aug-19	91 28 31	7.6895 2.352 2.573					
17	5050000421	HDFC Bank Limited-III	8.450% 8.400% 8.300% 8.200% 8.100%	01-Apr-19 01-Jul-19 29-Jul-19 29-Aug-19 29-Sep-19	30-Jun-19 28-Jul-19 28-Aug-19 28-Sep-19	91 28 31 31	7.6895 2.352 2.573 2.542					
17	5050000421	HDFC Bank Limited-III	8.450% 8.400% 8.300% 8.200% 8.100% 8.000%	01-Apr-19 01-Jul-19 29-Jul-19 29-Aug-19 29-Sep-19 29-Oct-19	30-Jun-19 28-Jul-19 28-Aug-19 28-Sep-19 28-Oct-19	91 28 31 31 30	7.6895 2.352 2.573 2.542 2.43					
17	5050000421	HDFC Bank Limited-III	8.450% 8.400% 8.300% 8.200% 8.100% 8.000% 7.650%	01-Apr-19 01-Jul-19 29-Jul-19 29-Aug-19 29-Sep-19 29-Oct-19 01-Dec-19	30-Jun-19 28-Jul-19 28-Aug-19 28-Sep-19	91 28 31 31 30 33	7.6895 2.352 2.573 2.542 2.43 2.64					
7	5050000421	HDFC Bank Limited-III	8.450% 8.400% 8.300% 8.200% 8.100% 8.000% 7.650% 7.450%	01-Apr-19 01-Jul-19 29-Jul-19 29-Aug-19 29-Sep-19 29-Oct-19 01-Dec-19 01-Mar-20	30-Jun-19 28-Jul-19 28-Aug-19 28-Sep-19 28-Oct-19 30-Nov-19 29-Feb-20 31-Mar-20	91 28 31 31 30 33 91	7.6895 2.352 2.573 2.542 2.43 2.64 6.9615	P. 050 474				
7	5050000421	HDFC Bank Limited-III	8.450% 8.400% 8.300% 8.200% 8.100% 8.000% 7.650% 7.450%	01-Apr-19 01-Jul-19 29-Jul-19 29-Aug-19 29-Sep-19 29-Oct-19 01-Dec-19 01-Mar-20 01-Apr-20	30-Jun-19 28-Jul-19 28-Aug-19 28-Sep-19 28-Oct-19 30-Nov-19 29-Feb-20 31-Mar-20	91 28 31 31 30 33 91 31	7.6895 2.352 2.573 2.542 2.43 2.64 6.9615 2.3095	8.0594%				
7	5050000421	HDFC Bank Limited-III	8.450% 8.400% 8.300% 8.200% 8.100% 8.000% 7.650% 7.450%	01-Apr-19 01-Jul-19 29-Jul-19 29-Aug-19 29-Sep-19 29-Oct-19 01-Dec-19 01-Mar-20	30-Jun-19 28-Jul-19 28-Aug-19 28-Sep-19 28-Oct-19 30-Nov-19 29-Feb-20	91 28 31 31 30 33 91	7.6895 2.352 2.573 2.542 2.43 2.64 6.9615	8.0594%				

Vilender

			5.950%	01-Apr-21	31-Mar-22	365	21.7175			1		
18	5050000521	HDFC Bank Limited-IV					21.717.0	-	_	5.9500%	5.9500%	5.9500
	3,500,000,000	HOP C Bank Limited-IV	8.450%	01-Apr-19	16-Apr-19	16	1.352		-			- PACCOMMEN
			8.400%	17-Apr-19	28-Jul-19	103	8.652		-	-		
			8.300%	29-Jul-19	28-Aug-19	31	2,573		-			
			8.200%	29-Aug-19	28-Sep-19	31	2.542		_	-		
			8.100%	29-Sep-19	28-Oct-19	30	2.43		-	_	-	
			8.000%	29-Oct-19	30-Nov-19	33	2.64		-			
			7.650%	01-Dec-19	29-Feb-20	91	6.9615		_		-	
			7.450%	01-Mar-20	31-May-20	92	6.854			-		
			6.300%	01-Jun-20	23-Dec-20	206	12.978		_	+		
			5.950%	24-Dec-20	31-Mar-22	463	27.5485	1	1	_		
19	5050000561	HDFC Bank Limited-V	0.4500						1	1		
		THE G DOWN CHINESO-Y	8.450%	01-Apr-19	24-Jun-19	85	7.1825			-		
			8.400%	25-Jun-19	28-Jul-19	34	2.856			_		
			8.300%	29-Jul-19	28-Aug-19	31	2.573			_		
			8.200%	29-Aug-19	28-Sep-19	31	2.542			-		
			8.100%	29-Sep-19	28-Oct-19	30	2.43			-		
			8.000% 7.650%	29-Oct-19	30-Nov-19	33	2.64		_			
			7.450%	01-Dec-19	29-Feb-20	91	6.9615	-		_		
				01-Mar-20	31-Mar-20	31	2.3095	8.0586%		-		
			7.450% 6.300%	01-Apr-20	31-May-20	61	4.5445					
			5.950%	01-Jun-20	23-Dec-20	206	12.978			_	-	
				24-Dec-20	31-Mar-21	98	5.831		6.3982%			
	u casswing and		5.950%	01-Apr-21	31-Mar-22	365	21.7175		0.000279	6.050090	5.9500%	
20	5050000641	HDFC Bank Ltd. VI	8.450%	0		-0.0014				3.00076	5.9500%	5.9500
			8.400%	01-Apr-19	25-Jun-19	86	7.267					_
			8.300%	26-Jun-19	28-Jul-19	33	2.772					
			8.200%	29-Jul-19	28-Aug-19	31	2.573				_	
			8.100%	29-Aug-19	28-Sep-19	31	2.542					_
_			8.000%	29-Sep-19 29-Oct-19	28-Oct-19	30	2.43			1		
			7.650%	01-Dec-19	30-Nov-19	33	2.64					_
_			7.450%	01-Mar-20	29-Feb-20	91	6.9615					
			6.300%	01-Jun-20	31-May-20	92	6.854				-	_
_			5.950%	24-Dec-20	23-Dec-20	206	12,978				_	
		The state of the s	0.000%	24-060-20	31-Mar-22	463	27.5485	-7				
27	5050000791	HDFC Bank Limited-VII	8.4000%	11-Jun-19	00 / 1 / 2	100-1	0					_
	y		8.3000%	29-Jul-19	28-Jul-19	48	4.032					
_			8.2000%	29-Aug-19	28-Aug-19	31	2.573					
_			8.1000%	29-Sep-19	28-Sep-19	31	2.542				-	_
_			8.0000%	29-Oct-19	28-Oct-19	30	2.43				_	_
_			7.6500%	01-Dec-19	30-Nov-19	33	2.84					_
_			7,450%	01-Mar-20	29-Feb-20	91	6.9615				_	_
-			7.450%	01-Apr-20	31-Mar-20	31	2.3095	7.9620%				_
_			6.300%	01-Jun-20	31-May-20 23-Dec-20	61	4.5445					
-			5.950%	24-Dec-20		206	12.978	=				_
_			5.950%	01-Apr-21	31-Mar-21	98	5.831		6.3982%		_	_
	Farmens		0.00078	A1-A41-51	31-Mar-22	365	21.7175			5.9500%		
2	5050000911	HDFC Bank Limited-VIII	7.450%	01-Mar-20	21 14-00	100				20.0		
			6.300%	01-Jun-20	31-May-20	92	6.854					
_			5.950%	24-Dec-20	23-Dec-20	206	12.978					_
			0.00076	24-Dec-20	31-Mar-22	463	27.5485					
3	5050000981	HDFC Bank Limited-IX	6.300%	20 tun 00	22.5						-	
		1	The state of the s	30-Jun-20	23-Dec-20	177	11.151					
-			5.950%	24-Dec-20	31-Mar-21	98	5.831		6.1753%			

Silverdie

_			5.950%	01-Apr-21	31-Mar-22	365	21.7175			5.9500%	5.9500%	5.9500%
24	5050001151	HDFC-X								0.000076	0.9000%	5.9500%
24	0.00001101	BDFC-X	5.83%	24-Nov-21	31-Mar-22	128	7.4624			5.8300%		
25	5070000021	HUDCO-I	8.300%	01-Apr-19	70.1		11					
			8.200%	01-Apr-19	30-Apr-19	30	2.49					
			8.050%	01-Aug-19	31-Jul-19 31-Oct-19	92	7.544					
_			7.900%	01-Nov-19	31-Jan-20	92 92	7.405					
_			7.700%	01-Feb-20	31-Mar-20	60	7.268 4.62	2.040401				
_			7.700%	01-Apr-20	30-Apr-20	30	2.31	8.0131%				
-			7.400%	01-May-20	31-Jul-20	92	808.6					
			7.000%	01-Aug-20	23-Aug-20	23	1.61			_		
_			7.000%	24-Aug-20	31-Mar-21	220	15.4		7.1584%	7.0000%	7.0000%	7.00000
26	5050001042	ICICI Bank-VII							7,100470	7.000076	7.0000%	7.00000
	9990001012	icici Bank-Vii	6.000%	30-Dec-20	31-Mar-21	92	5.52					
-			6.24%	01-04-2021	29-Jun-21	90	5.616					
-			6.30%	30-Jun-21	29-Sep-21	92	5.796					
-			6.35%	30-Sep-21	29-Dec-21	91	5.7785		-			
_			6.55%	30-Dec-21	29-Mar-22	90	5.895					
			6.84%	30-Mar-22	31-Mar-22	2	100000000000000000000000000000000000000					
				Du HIO. E.E.	31-mai-22	- 2	0.1368					
27	5050000341	Jammu & Kashmir Bank-III	8.3000%	01-Apr-19	12-Apr-19	12	0.000					
	DOS SOCIALISME		8.2500%	13-Apr-19	12-Jun-19	61	0.996					
_			8.2000%	13-Jun-19	12-Aug-19	61	5.0325 5.002					
-			8.0000%	13-Aug-19	12-Sep-19	31	2.48					
			7.9500%	13-Sep-19	12-Oct-19	30	2.385					
-			7.9000%	13-Oct-19	12-Nov-19	31	2.449			7		
			7.8000%	13-Nov-19	12-Dec-19	30	2.34					
			7.7000%	13-Dec-19	12-Jan-20	31	2.387					
			7.6500%	13-Jan-20	12-Mar-20	60	4.59					
			7.6000%	13-Mar-20	31-Mar-20	19	1.444					
			7.600%	01-Apr-20	12-Apr-20	12	0.912					
			7.250%	13-Apr-20	12-May-20	30	2.175					
			7.200%	13-May-20	12-Jun-20	31	2.232	- 3				
-			7.150%	13-Jun-20	12-Jul-20	30	2.145					
-			7.000%	13-Jul-20	12-Aug-20	31	2.17					
_			6.850%	13-Aug-20	26-Nov-20	106	7.261					
_			5.880%	27-Nov-20	31-Mar-22	490						
		AN THE STATE OF TH			017807-22	490	28,812					
8	5050000511	Jammu & Kashmir Bank-IV	8.3000%	01-Apr-19	30-Apr-19	20	7.40					
_			8.2500%	01-May-19	30-Jun-19	30 61	2.49					
-			8.2000%	01-Jul-19	31-Aug-19	62	5.0325					
-			8.0000%	01-Sep-19	30-Sep-19	30	2.4					
\dashv			7.9500%	01-Oct-19	31-Oct-19	31	2.4645			_		
\dashv			7.9000%	01-Nov-19	30-Nov-19	30	2.37			-		
-			7.8000%	01-Dec-19	31-Dec-19	31	2.418					
-			7.7000%	01-Jan-20	31-Jan-20	31	2.387					
\dashv			7.6500%	01-Feb-20	31-Mar-20	60	4.59	7.9880%				
\dashv			7.600%	01-Apr-20	30-Apr-20	30	2.28			-		
-			7.250%	01-May-20	31-May-20	31	2.2475			-	_	
_			7.200%	01-Jun-20	30-Jun-20	30	2.16					

\rightarrow			7.150%	01-Jul-20	31-Jul-20	31	2.2165				_	
-			7.000%	01-Aug-20	31-Aug-20	31		_				
_			6.850%	01-Sep-20	26-Nov-20		2.17					
			5.880%	27-Nov-20		87	5.9595					
			5.880%		31-Mar-21	125	7.35		6.6804%			
			3.00076	01-Apr-21	31-Mar-22	365	21,462	i.		5.8800%	5.8800%	5.8800%
29 5	050000501	Karnataka Bank Ltd II	7.9600%	64.6							0.000070	9.00007
		The state of the s	7.8500%	01-Apr-19 28-Jun-19	27-Jun-19	88	7.0048	(k= = =			-	_
			7.1900%	28-Sep-19	27-Sep-19	92	7.222					
_			6.8300%	28-Dec-19	27-Dec-19 31-Mar-20	91	6.5429	Ten en				
			6.100%	01-Apr-20		95	6.4885	7.4476%				
			5.000%	28-Jun-20	27-Jun-20	88	5.368	W				
			The second secon		27-Sep-20	92	4.6					
			5.220%	28-Sep-20	15-Nov-20	49	2.5578					
			5.220%	15-Nov-20	31-Mar-21	137	7.1514		5.3763%	5.2200%	5.2200%	F 00000
30 50	050000571	Dunich Mattered Deat #4							0.070076	3.2200%	5.2200%	5,2200%
		Punjab National Bank IV	8.3000%	01-Apr-19	03-May-19	33	2.739					
			8.2000%	04-May-19	03-Aug-19	92	7.544					
			8.0500%	04-Aug-19	30-Sep-19	58	4.669			_		
			8.0500%	01-Oct-19	03-Nov-19	34	2.737					
			7.9000%	04-Nov-19	03-Feb-20	92	7.268				-	
			7.6500%	04-Feb-20	31-Mar-20	57	4.3605	8.0102%				
			7.650%	01-Apr-20	03-May-20	33	2.5245		·			
			7.200%	04-May-20	03-Jun-20	31	2.232					
- 7			7.050%	04-Jun-20	03-Aug-20	61	4.3005					
			6.800%	04-Aug-20	03-Nov-20	92	6.256					
			6,700%	04-Nov-20	20-Dec-20	47	3.149					
			6.500%	21-Dec-20	31-Mar-21	101	6,565		6.8567%			
			6.20%	01-Apr-21	20-Sep-21	173	10.726			-		
			5.80%	21-Sep-21	31-Mar-22	192	11.136			5.9896%	£ papage	
31 505	50000711	PNB-IV								0.9090%	5.9896%	5.9896%
120	30000711	FNB-IV	8.300%	01-Apr-19	03-May-19	33	2.739					
			8.200%	04-May-19	03-Aug-19	92	7.544			-		
			8.050%	04-Aug-19	30-Sep-19	58	4.669					
			8.050%	01-Oct-19	03-Nov-19	34	2.737					
			7.900%	04-Nov-19	03-Feb-20	92	7,268		-			
			7.650%	04-Feb-20	03-May-20	90	6.885					
			7.050%	04-May-20 04-Jun-20	03-Jun-20	31	2.232				-	
			6.800%	04-Jun-20 04-Aug-20	03-Aug-20	61	4.3005					
-			6.700%	04-Nov-20	03-Nov-20	92	6,256					
-			6.500%	21-Dec-20	20-Dec-20 31-Mar-21	47	3.149					
_			6.20%	01-Apr-21		101	6.565	7				
			5.80%	THE RESERVE OF THE PARTY OF THE	20-Sep-21	173	10,726					
			5,80%	21-Sep-21	31-Mar-22	192	11.136					
2 505	50000931	PNB-V								-		
		TAB-V	7.500%	27-Mar-20	31-Mar-20	5	0.375			_		
			7.500%	01-Apr-20	26-Apr-20	26	1.95				-	
			7.200%	27-Apr-20	17-May-20	21	1.512				-	
			7.200%	18-May-20	26-Jun-20	40	2.88				-	_
			7.050% 6.800%	27-Jun-20	26-Aug-20	61	4.3005				-	
				27-Aug-20 27-Nov-20	26-Nov-20	92	8.256					
				21-Dec-20	20-Dec-20	24	1.608					-
			0.00070	E1-000-50	31-Mar-21	101	6.06					-

			5.70%	04.404				_				
				01-Apr-21	20-Sep-21	173	9.861					
			5.80%	21-Sep-21	31-Mar-22	192	11,136				1 2	+
33	5050000153	Indian Bank-II	0.05000/							-	-	-
	No. of the last of	THOUSE DESIRES	8.2500%	01-Apr-19	28-Jun-19	89	7.3425	1		_		-
34	5050000312	Indian Bank-III	8.2500%	04.4							+	
	NE CONSTRUCTION	The state of the s	8.3000%	01-Apr-19	19-Jul-19	110	9.075				+	-
			8.1500%	20-Jul-19	19-Sep-19	62	5.146				-	-
			8.0500%	20-Sep-19	19-Oct-19	30	2.445					+
			6.0300%	20-Oct-19	01-Dec-19	43	3.4615				_	-
35	5050000382	State Bank of Bikaner & Jaipur	8.2500%	01-Apr-19	70.44							-
_			8.1500%	14-May-19	13-May-19	43	3.5475					_
			7,9500%	14-Aug-19	13-Aug-19	92	7.498					_
_			7.7000%	14-Nov-19	13-Nov-19	92	7.314					_
			7.6500%	14-Feb-20	13-Feb-20	92	7.084					
			7.000%	14-May-20	13-May-20	90	6,885					
			6.650%	14-Aug-20	13-Aug-20	92	6.44					
			1 330072	14710g-20	31-Mar-22	595	39.5675					_
36	5050000261	State Bank of India - VII	8.2500%	01-Apr-19	13-May-19	40						
			8.1500%	14-May-19	13-Aug-19	43	3.5475			1/		
_			7.9500%	14-Aug-19	13-Nov-19	92	7.498		1			
_			7.7000%	14-Nov-19	13-Feb-20	92	7.314					
1			7.6500%	14-Feb-20	31-Mar-20	92	7.084					
			7.6500%	01-Apr-20	13-May-20	47	3.5955	7.9342%				
_			7.000%	14-May-20	13-Aug-20	92	3.2895					
-			6.650%	14-Aug-20	31-Mar-21	230	6.44		0.5			
-			6.650%	01-Apr-21	31-Mar-22	365	15.295		6.9466%		Series Down	5.000
37	5050000442				01-Mill-22	303	24.2725			6.6500%	6.6500%	6.6500
21	3030000442	State Bank of India - VIII	8.2500%	01-Apr-19	13-May-19	43	2 5495					
-			8.1500%	14-May-19	13-Aug-19	92	3.5475					
-			7.9500%	14-Aug-19	13-Nov-19	92	7.498					
			7.7000%	14-Nov-19	13-Feb-20	92	7.084					
-			7.6500%	14-Feb-20	31-Mar-20	47	3.5955	7.00400				
-			7.6500%	01-Apr-20	13-May-20	43	3.2895	7.9342%				
-			7.000%	14-May-20	13-Aug-20	92	6.44					
			6.650%	14-Aug-20	31-Mar-21	230	15.295		0.00000		S	
-			6.650%	01-Apr-21	31-Mar-22	365	24.2725		6.8560%			
38	5050000531	Ctata Bank Ali K				505	24.2720			6.6500%	6.6500%	6.6500
20 1	5050000001	State Bank of India - IX	8.2500%	01-Apr-19	13-May-19	43	3.5475					
_			8.1500%	14-May-19	13-Aug-19	92	7.498					
\rightarrow			7.9500%	14-Aug-19	13-Nov-19	92	7.314					
			7.7000%	14-Nov-19	13-Feb-20	92	7.084					
\rightarrow			7.8500%	14-Feb-20	31-Mar-20	47	3.5955	7.9342%				4
-			7,6500%	01-Apr-20	13-May-20	43	3.2895	7.934Z7E				
_			7.000%	14-May-20	13-Aug-20	92	6.44					
			6.650%	14-Aug-20	31-Mar-21	230	15.295		C 050001			
\rightarrow			6.650%	01-Apr-21	31-Mar-22	365	24.2725		6.8560%			
9 5	5050000551	State Bank of L. II.				900	24.2120			6.6500%	6.6500%	6.65009
-	7777777	State Bank of India - X	8.2500%	01-Apr-19	24-Jun-19	85	7.0125					
1			8.1500%	25-Jun-19	24-Sep-19	92	7,498					
_				25-Sep-19	24-Dec-19	91	7.1435					
			7.7000%	25-Dec-19	24-Mar-20	91	7.007					
_			7,5000%	25-Mar-20	31-Mar-20	7	0.525	7.9743%				
			7.5000%	01-Apr-20	24-Jun-20	85	6.375	7.374370				
			6.750%	25-Jun-20	24-Sep-20	92	0.070					

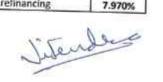
			6.650%	6 25-Sep-20	24 May 24	700						
			6.6509		31-Mar-21	188	12.500	2	6.8732	6		-
40	5050000661	Ct-t- B		21119121	31-Mar-22	365	24.272	5		6.6500	% 6.6500%	0.00
		State Bank of India - XI	8.35009	01-Apr-19	10-Apr-19	- 40				0.0000	0.0500%	6.65
			8.3000%	11-Apr-19	10-Apr-19	10	0.835	64			+	-
			8.2000%		10-301-19	91	7.553	2//			-	-
			7.8500%		10-Oct-19	92	7.544			_	_	-
			7.7500%		10-Jan-20	92	7.222				-	-
			7.7000%		31-Jan-20	21	1.6275			_	-	_
			7.150%		10-Apr-20	70	5.39			_	-	
-			6.650%		10-Jul-20	91	6.5065			-	-	_
41	5050000741		0.00076	11-30-20	31-Mar-22	629	41.8285	5		_	-	- 1
41	3030000741	State Bank of India - XII	8.3500%	01-Apr-19	10.5							
-		1000000	8.2500%		10-May-19	40	3.34		-	-		
_			8.0500%		10-Aug-19	92	7.59	1		-		
-	-		7.8000%	11-Aug-19	10-Nov-19	92	7.406			_	X	
-			7.7500%	1.1000 1.00	10-Jan-20	61	4.758	_	-			
_			7.7000%	11-Jan-20	31-Jan-20	21	1.6275		-			
_			7.150%	01-Feb-20	10-Apr-20	70	5.39	-	-			0
_			6.650%	11-Apr-20	10-Jul-20	91	6,5065		-			
			0.000%	11-Jul-20	31-Mar-22	629	41.8285					
2	5050000861	SBI-XIII	7.4500%		/E		41.0200					1.5
_				24-Mar-20	23-Apr-20	31	2.3095		-			
_	100		7.100%	24-Apr-20	23-May-20	30	2.13				7.1	100
			6.950%	24-May-20	23-Jun-20	31	2.1545	_				
			6.700%	24-Jun-20	23-Jul-20	30	2.01					
			6.650%	24-Jul-20	31-Mar-22	616	40.964					
3	5050001221	SBI-XIV -Bongaigaon				0.10	40.904					
		SUPAIV - BORIgaigaon	5.83%	03-Sep-21	31-Mar-22	210						_
					011111111111111111111111111111111111111	210	12.243					
4	5050000192	Constitute B 1 II										_
		Syndicate Bank-II	8,4500%	01-Apr-19	16-Jun-19				0		-	_
			8.5000%	17-Jun-19	05-Aug-19	77	6.5065					
1			8.2500%	06-Aug-19	05-Sep-19	50	4.25				-	_
			8.0000%	06-Sep-19	05-Jan-20	31	2.5575					_
7			7.8000%	06-Jan-20	05-Jan-20	122	9.76					
-			7.6000%	06-Feb-20	05-Feb-20	31	2.418					
+			7.5500%	06-Mar-20	05-Mar-20	29	2.204			-		
+			7.650%	06-Apr-20	05-Apr-20	31	2.3405					
+			7.500%	06-May-20	05-May-20	30	2.295					
1	5050000311		7.50070	CO-May-20	29-Jun-20	55	4.125					
+	3030000311	Syndicate Bank-III	8.4500%	01-Apr-19	12							_ 3
+			8.5000%	17 Jun 10	16-Jun-19	77	6.5065					
+			8.2500%	17-Jun-19	05-Aug-19	50	4.25					
+			8.0000%	06-Aug-19	05-Sep-19	31	2.5575					
+			7.8000%	06-Sep-19	05-Jan-20	122	9.76					
-				06-Jan-20	05-Feb-20	31	2,418					
+			7.6000%	06-Feb-20	05-Mar-20	29	2.204					
1			7.5500%	06-Mar-20	31-Mar-20	26	1.963	9 102007				
1			7.5500%	01-Apr-20	05-Apr-20	5		8.1036%				
1			7.650%	06-Apr-20	05-May-20	30	2.295					
1			7.500%	06-May-20	05-Jul-20	61	4.575					
			7,300%	06-Jul-20	05-Aug-20	31						_
I			7.200%	06-Aug-20	23-Aug-20	18	2.263					_
	many was the		7.200%	24-Aug-20	31-Mar-21	220	1.296					_
153	050000422	Syndicate Bank-IV			11001 2.1	220	15.84		7.3004%	7.2000%	7.2000% 7	2000
1000			8.4500%	01-Apr-19					The second second second			STREET,

			8.5000%	17-Jun-19	05-Aug-19	50	4.25					
			8.2500%	06-Aug-19	05-Sep-19	31	2.5575					_
			8.0000%	06-Sep-19	05-Jan-20	122	9.76					
			7.8000%	06-Jan-20	05-Feb-20	31	2,418			9	-	
			7.6000%	06-Feb-20	05-Mar-20	29	2.204		_			
			7.5500%	06-Mar-20	05-Apr-20	31	2.3405		_			
			7.650%	06-Apr-20	05-May-20	30	2.295				_	
			7.500%	06-May-20	05-Jul-20	61	4.575			-		
			7.300%	06-Jul-20	05-Aug-20	31	2.263				_	
			7.200%	06-Aug-20	23-Aug-20	18	1.296				_	
					201100 20	-18	1,230					
							_					
47	5050000321	Union Bank-II	8.4000%	01-Apr-19	30-Jun-19	91	7.644					
	The way was the		8.3500%	01-Jul-19	02-Sep-19	64	5.344					
			8.0000%	03-Sep-19	02-Nov-19	61	4.88					
			7.9000%	03-Nov-19	02-Jan-20	61	4.819					
	MA		7.8000%	03-Jan-20	02-Feb-20	31	2.418			-		
			7.7000%	03-Feb-20	31-Mar-20	58	4.466	8.0795%				
			7.7000%	01-Apr-20	02-Apr-20	2	0.154	7 3000000000000000000000000000000000000				
			7.350%	03-Apr-20	02-Jun-20	61	4.4835					
			7.250%	03-Jun-20	02-Jul-20	30	2.175					
			7.150%	03-Jul-20	02-Aug-20	31	2.2165			5		
)	6.950%	03-Aug-20	31-Aug-20	29	2.0155					
			6.800%	01-Sep-20	30-Sep-20	30	2.04					
			6.750%	01-Oct-20	30-Nov-20	61	4.1175					
			6.000%	01-Dec-20	31-Mar-21	121	7.26		6.7019%	6		
_			6.000%	01-Apr-21	31-Mar-22	365	21.9			6.0000%	6.0000%	6.0000%
48	5050000292	United Bank of India-IV	8.4000%	01-Apr-19	05-May-19	35	2.94					
	z sus saus dines		8.3500%	06-May-19	30-Jun-19	56	4.676					
			8.3000%	01-Jul-19	05-Aug-19	36	2.988					
			8.2500%	06-Aug-19	05-Sep-19	31	2.5575					
			8.1500%	06-Sep-19	29-Sep-19	24	1.956					
_			8.1500%	30-Sep-19	31-Mar-20	184	14.996	8.2277%	8.1500%	8.1500%	8.1500%	8.1500%
49	5050000211	Vijaya Bank-IV	8.4000%	01-Apr-19	12-Apr-19	12	1.008		111100072273			
			8.3000%	13-Apr-19	12-May-19	30	2.49					
			8.3500%	13-May-19	12-Jul-19	61	5.0935					
			8.3000%	13-Jul-19	12-Aug-19	31	2.573					
			8.1500%	13-Aug-19	12-Sep-19	31	2.5265					
			8.1000%	13-Sep-19	12-Oct-19	30	2.43					
			8.0500%	13-Oct-19	12-Nov-19	31	2.4955					
			7.8500%	13-Nov-19	12-Dec-19	30	2.355					
			7.6500%	13-Dec-19	12-Jan-20	31	2.3715					
			7.6000%	13-Jan-20	12-Feb-20	31	2.356					
			7.5500%	13-Feb-20	31-Mar-20	48	3.624	8.0117%				
			7.5500%	01-Apr-20	12-Apr-20	12	0.906					
			7.400%	13-Apr-20	12-May-20	30	2.22					
			7.350%	13-May-20	12-Jun-20	31	2.2785					
			7.200%	13-Jun-20	12-Jul-20	30	2.16					
			7.150%	13-Jul-20	23-Aug-20	42	3,003					
			7.150%	24-Aug-20	31-Mar-21	220	15.73		7.2048%	7.1500%	7.1500%	7.1500%
50	5050000291	Visiona Parali M	0.400000	04.446	10.115					And a street service	THE WAY	
30	10000000291	Vijaya Bank-V	8.4000%	01-Apr-19	12-Apr-19	12	1.008			6		

			8.3000%	13-Apr-19	12-May-19	30	2,49					
			8.3500%	13-May-19	12-Jul-19	61	5.0935				_	
			8.3000%	13-Jul-19	12-Aug-19	31	2.573					_
			8.1500%	13-Aug-19	12-Sep-19	31	2.5265				-	
			8.1000%	13-Sep-19	12-Oct-19	30	2.43					
			8.0500%	13-Oct-19	12-Nov-19	31	2.4955				_	7
			7.8500%	13-Nov-19	12-Dec-19	30	2.355			_		
			7.6500%	13-Dec-19	12-Jan-20	31	2.3715					
			7.6000%	13-Jan-20	12-Feb-20	31	2.356			_		
		V	7.5500%	13-Feb-20	31-Mar-20	48	3.624	8.0117%			-	
			7.5500%	01-Apr-20	12-Apr-20	12	0.906	314.7.7.7.				
			7,400%	13-Apr-20	12-May-20	30	2.22					
			7.350%	13-May-20	12-Jun-20	31	2.2785					
			7.200%	13-Jun-20	12-Jul-20	30	2.16				_	
			7.150%	13-Jul-20	23-Aug-20	42	3.003					
			7.150%	24-Aug-20	31-Mar-21	220	15.73		7.2048%	7.1500%	7.1500%	7.1500%
51	5050000381	Minus Book M	0.46004	04.446	40.440	76						
31	3030000301	Vijaya Bank-VI	8.4000%	01-Apr-19	12-Apr-19	12	1.008					
			8.3000%	13-Apr-19	12-May-19	30	2.49					
			8,3500%	13-May-19	12-Jul-19	61	5.0935					
_			8.3000%	13-Jul-19	12-Aug-19	31	2.573					
_			8.1500% 8.1000%	13-Aug-19	12-Sep-19	31	2.5265					
			8.0500%	13-Sep-19	12-Oct-19	30	2.43					
_			7.8500%	13-Oct-19	12-Nov-19	31	2.4955					
_				13-Nov-19	12-Dec-19	30	2.355					
			7.6500% 7.6000%	13-Dec-19 13-Jan-20	12-Jan-20 12-Feb-20	31	2.3715					
			7.5500%	13-Feb-20		31	2.356					
	-		7.400%	13-Apr-20	12-Apr-20	60	4.53					
			7,350%	13-Apr-20	12-May-20 12-Jun-20	30	2.22				- 3	
			7,350%	13-May-20	12-Jun-20	31	2.2785					
_			7.150%	13-Jun-20 13-Jul-20	12-Jul-20	30	2.16					
-			7,150%	13-341-20	23-Aug-20	42	3.003					
52	5050000921	OBC-V	7.5000%	27-Mar-20	26-Apr-20	31	2.325		_			
-	5050000522	000-4	7.200%	27-Apr-20	14-Jun-20	49	3.528					
			1.20070	£7-14pt-20	14-3011-20	93	3.528					-
53	5050001101	UCO Bank	6.30%	27-Jul-21	21-Nov-21	118	7.434					
			5.80%	22-Nov-21	31-Mar-22	130	7.54					
				335.1107.43	21110	100	7.01				-	
54	5060000001	L1C-III	6.57%	01-Apr-21	31-Mar-22	365	23.9805				-	_
775		#3010 Ho - 5777.	5.5770	23.1.90.201	O. HIGHER	555	6.0,0003					
	Comment of the Commen											
55		SBI, New York	4.25500%	01-04-2019		44	1.87220					
			3.98763%	15-05-2019		75	2.99072					
	A.		3.57750%	29-07-2019		156	5.58090					
				01-01-2020			0.00000					
						275	10.44382	3.8251%				

Literar

			0				Weightage	verage rate on refinan		7.970%
				3378	268.3468	7.9440%	6250000000			498140000
	8.23%	01-Apr-20	14-Oct-20	197	16.2131		200000000	osed on 15.10.2020		15460000
Power Finance Corporation - V	2220			13/1	10.2525	-	800000000			66000000
Corporation - V	8.25%	01-Apr-20	14-Oct-20	197	16.2525		accompany to the			22825000
Power Finance	8.30%	01-Apr-20	14-Oct-20	197	16.351		2750000000			2202500
Power Finance Corporation - V	= 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	500000000000000000000000000000000000000	11 00020	19/	15.4251	-	800000000			62640000
Corporation - V	7.83%	01-Apr-20	14-Oct-20	197	AC 1084					29760000
Corporation - V Power Finance	7.44%	01-Apr-20	14-Oct-20	197	14.6568		400000000			20200000
Power Finance				183	13.3773		1300000000			95030000
Corporation - V	7.31%	15-Apr-20	14-Oct-20	107						
Corporation - V Power Finance	7.76%	01-Apr-20	14-Apr-20	14	1.0864		1300000000			
Power Finance		01-Apr-19	31-Mar-20	366	30.378		2750000000)		
Power Finance Corporation - V	8.30%	- Keeper			28.4016		1300000000			
Corporation - V	7.76%	01-Apr-19	31-Mar-20	366	28.4016					
Power Finance	8.25%	01-Apr-19	31-Mar-20	366	30.195		800000000			
Power Finance Corporation - V	NOTAL COMM		31-Wai-20	366	28.6578	_	800000000			3
Corporation - V	7.83%	01-Apr-19	31-Mar-20	202			450,00000	'	_	-
Corporation - V Power Finance	7.44%	01-Apr-19	31-Mar-20	356	27.2304		40000000			-
Corporation - V Power Finance	8.23%	01-Apr-19	31-Mar-20	366	30.1218		200000000			
Power Finance						75-				



	0.00	DFC						,
Name	of the Company :	NTPC LI	wise Furl for Computs	tion of Energy Cha	CEO.			10
Name	of the Power Station :		toma or Thermal Power Station	Stane II				
8. No.				T. II See W.				
	Manth	Unit	Domestic Oct			v-18	Des-1	8
A	OPENING QUANTITY	_	(Railway)	Imported	Domestic (Railway)	Imported	Domestic (Railway)	Impo
1	Opening Quantity of Coal/Lignito	(MT)	10000000					
2	Value of Stock	(Ris)	40341.01	3795.69	48824.1	704.44	72941,38	
80	QUANTITY	+	132913239.68	34791248.36	151495732 #	\$285978.44	286718551,3	3115
1	Quantity of Cool/Lignits supplied by Coul/Lignite Company	(MMT)	NI TOTAL COLUMN					
4	Adjustment (+/-) in quantity supplied mode by Coal/Lignice Company	(MMT)	482900.49	7022.8	502152.24	d	599740.03	
5	Coal supplied by Coal/Ligante Company (3+4)	(MMT)	-					
6	Narmative Transit & Hasilling Losses (For coal/ Lignite based projects)	(MMT)	183900.49	7022,8	502152.24	U	399740.05	
7	Net coal / Lignite Supplied (5-6)	(MMT)	3871.20	14,05	4017.22	0	4797.92	
()	PRICE	A Participation	480629.29	7008.75	498135.02	0	594942.11	
ı	Amount charged by the Coal Alignite Company	(Rs.)	Approximation and	92/00/07/07				
9	Adjustment (+f-) is amount charged must by Coal/Lighte Company	(Rs.)	1108309325.00	50997569.1	1239446049.00	.0	1623990637.23	
10	landling. Sampling and such other similar clauges.	(Rx)	-61167874.28	0	-63412739.99	0	-75736311:73	
11	oisl srecust Charged (8+9+10)	(Rs.)	17786146,52	43187 (0)	16321203.69	0	14699928.34	
01	RANSPORATION	11.55%	1064987597.24	51040756.1	1192354512,70	n	1562954253.64	
2 1	ransportation charges by rail/ship/cood transport	(Rs)						
E	y Rail	100000	The second second					
6	y Road	1	#14844852,10		429211281.90	6.00	476764785.00	
B	y Ship							
		-						
A	fjestment (+/-) in amount charged made by Railways/Texasport Company	(Rs.)						
	downago Charges, if any	(Ra)						
C	et of dienci in immaporting coal through MGR system, if applicable	(Rs.)						
	tal Transportation Charges (12+13+14+15)	(Rx)	1905379,07	27652.59	1990(15:25	0.00	EN05428.49	(
Te	tal amount Charged for confiliprite supplied including Transportation († [+16]		416750231.17	27652.59	431210397.13	0.60	478570214 49	. 0
	TAL COST	-	1481737829.41	51068408.69	1623364909.85	0.00	2041524468.33	
La	ided cost of coal? Lignite (2+17)/(1+7)	Ba/MT						
nie	nding datin (Demonic/Imported)		3,102.89	7,361.84	3,245.33	7,361,83	3411.14	7361.85
We	ighted everings cost of craft Lignite	Rs /MT	74	2	100	- 0	79.87	0.13
		-		3,197,86	3245.33		3416.41	
QL	ALITY							
GC	of Domestic Cool of the opening onal stock as per hill of Cool Company	(ACab/Ka)						
	of Democric Coal constitutes and All 100 Ann	(kCal/Kg)	4732.88		4732.88		4779.29	
	of Imported Coal -ful-	kCat/Kg)	6733.88		4781.35	N.	4848.88	
	of Imported Cost modified	kCaUKg)		5700		5700		570
	third average CSCSC of could be come.	kCal/Kg)		5700		0		210
4	of Demostic Coul of the associated	kCal/Kg3	4752.17		4779.20		4845.12	
	of Departs Co. L V. C	Cn(/Kg)	4044.51		4059,06		3980.03	
	of Several Coal of coals	Cal/Kg)	4059,3		3977,47		3873.58	
	of Imported Cost and Ed.	Calr(g)		4438.4		4481.79		4481.79
	and average Of V of could I leader to B	Cal/Kgr		4502-51	y in	0		446),7
		- Investigation		4.076.61		3,996,66		3,581,94

Studie

	Details of Secondary Food	6-6			FORM- I
Name	of the Company: Of the Power Station:	NTPC Limiter	of Energy Charges		
Name	of the Power Station 1		hermal Power Station Stage-I	t .	
SLNo	Month	Unit	Oct-18	Nov-18	Dec-18
1	Opening Stock of Oil		LDO	LDO	LDO
2	Value of Opening Stock	(KL)	2868.36	2677.36	2559.
-		(Rs.)	147129375.64	139725476.12	1343958083
3	Quantity of Oil supplied by Oil Company	KL	172.00	105.77	
4	Adjustment(+/-) in quantity supplied made by Oil Company	KL	0.00	0	35
	Oil supplied by Oil Company (3+4)	KL	172.90	94542	
_	Normative Transit & Handling Losses	KL		105,77	35
7	Not Oil Supplied (5-6)	- 1773	0.00	0	
8	Amount charged by the Oil Company	KL	172.00	105.77	35
9	Adjustment(+/+) in amount charged made by Oil Company	(Rs)	11540281.00	6433978.86	19165950.1
-	Handling, Sampling and such other similar charges	(Rs)	0.00	0	0.0
	Total amount charged (8+9+10)	(R ₉)			
12	Fransportation charges by rml / ship / road transport	(Rs)	11540281.00	6433978.86	19163930,1
	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)			
	Demurrage Charges, if any	(Rs)	0.00	0	0.00
	otal Transportation Charges (12+13+14+15)	(Rs)	0.90	0	0.00
12	Others Charges	(Rs)	0.00	0.00	0.00
		(Rs.)	0.00	0	
	otal amount Charged for fuel supplied including Transportation (11+15+16)	(Rs)	11540281.00	6433978.86	0.00
-	Veighted average GCV of Oil	(kCnUL)	9515:00		19165950.17
9	eighted average rate of Secondary Fuel	Rs/KL	52187.83	9515.00	9470.00 52695.64

		Details of Source wise	Fuel for Computation	of Engery Ch				
Variety Variety	of the Company 1 of the Fawer Station 1	NEEC Limited	nel Prover Station Stephill	of Energy Ca	arges_			
No	Medi	Unit.	Out-					
		3090	Domestic (Railway)	Imported	No.		Dec	38
A)	OPENING QUANTITY		0.0000000000000000000000000000000000000		Dementic (Railway)	Imperiad	Demantic (Railway)	Report
1	Opening Quantity of Cruit's spatus	(MMT)	77681.59		Proper La			
1	Volue of Stadi.	(84.)	271153/80.79		17190,00		248415.18	
89	QUANTITY	- 12	1/2/2000/0		264713626 98		VON28178-47	
7	Quantity of Contil ignite supplied by Conff ignite Continue	(5007)						
	Adjustment (+/-) in quantity approved some in Could Sprite Congrey	(MMT)	475425.41		#12033.51		\$75033.11	
	Cost supplied by Costil Justin Costpany (344).	(MMT)	a		0.00		0.00	
	Monaptive Transit. & Handling Louises (For 1908) Lignife found projects.)		#75425.41		617081.51		939003.11	
_	Net soul / Lagrate (higgs) and (2-4)	(MMT)	3903.4		4936.43		692.2s	
	PRICE	(MMCT)	47(622.0)		612117,06		\$74400.85	
1	Account the god by the Cool (Lightic Company							
		(Ra)	5682269311.06		156-1702742 (W		1983013915.40	
	Adjustment (+/-) in operant (hospital made by ConMagnite Company there is a	(Rx)	-3090747121		41218582.11		-31740437.65	
-	However, Secretary and each other strette strenger	illu i	10803900,31		14022373.79		(71,58363.18	_
- 1	Total amount Charged (8+9+10)	(Ha.)	1062109976.24		16383196536,72		2000000	_
4	TRANSPORATION						ESSR433840 98	_
_	Example relation of an experimental transport	(ila.)						
4	By Rail		94025585.76	-	394(39)2(-41)			
1	By Rived		114232639.56		0.000		31.7259247.55	
1	Ne Stage		11111440040		190827210.99		221297140.95	
T								
a	Agentown (+V-) is amount thereof made by Reflying/Transport Company	(Ba)		_				
D	Manarogo Charges, af agy	II Ro I	-		- Y			
c	ive of dissel in terraporting coal through MCO, gream, it applicable	(86)						
T	old Empowers (on Charges (13+13+(4+15))	(Re)	1129128 54		2123239-08	- 0	833.54.40	
Ti	etal amoun Chagod for mairligate supplied metading (morpostation (II+10)	(IIa)	545617334.35		F06588562-17	9	T35423543.20	
-	OTAL COST		1607727331.55		2235095699.19	· a	2233817334 /3	
1.	studed cost of uses I Ligasia (2+179c) = 7)	S. arr						
_	In-Plang Radio (Dispersits/Imperiod)	RAMT	3,420.48		1,625.50		3,682.38	
4	cighted protoge and of oral Lignite		100	0	100	0	100	
+				3,00.0	362.1 50		3682.38	
Q	DALITY							
CK	V of Distinctive Cost of the operatory cost scools so per lett of Cost Company	100000						
	V of Observator Coult applied as per fell of Court Company	(BC SUC)	4336.20		4592,34		1400.02	
1	V of Imported Cost of the approach thick as per full Cost Company	(ACd/Kg)	4597.51		4567.29		4560.89 4555.41	
	V of Engentral Crusi supplied on per init Crusi Cruspany	(ACWPKa)		3337-0		D.		
	which average GUV of cont Ligarity as Milled	(siCul/kg)		0		a	-	
100		(ACM/Kg)	4592.14		4559.80		4385-44	_
	V of Thempotic Cool of the spectrag stack as recurred at Stating	(KC(4/Kg)	3506.35		2673.34		3653.64	_
	V of Democratic Card in applied as received at feature	O450Kg)	3582 50		3163.18	-		
	V of Imported Coul of opening their to exceed a Styles	(BCHFCe)		1560.10	-110.100	-	90136	
	V of Ampental Cost supplied on receival or Station	(ACaUKg)		0		- 0		_
April	place overage OCV of coel Lyntic oc Reserved	(kCzliKg)		3,573.34		7,652.84	1 (

PART-I FORM- 15A

Details of Secondary Fuel for Computation	of Energy Charges
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Name	e of the Company : c of the Power Station :	NTPC Lin			
SLNe	M = = = = = = = = = = = = = = = = = = =			an chage it	
SLNC	Month	Unit	Oct-19	Nov-19	Dec-19
			LDO	LDO	LDO
1	Opening Stock of Oil	(KL)	3844.49	3728.93	3613.9
2	Value of Opening Stock	(Rs.)	208192853.00	201934707.00	
3	Quantity of Oil supplied by Oil Company	KL	0.00		195707050.0
4	Adjustment(+/-) in quantity supplied made by Oil Company	KL	0.00	0.00	906.59
5	Oil supplied by Oil Company (3+4)	KL	0.00	0.00	906.59
6	Normative Transit & Handling Losses	KL	0	0	
7	Net Oil Supplied (5-6)	KL	0.00	0.00	0000
8	Amount charged by the Oil Company	(Rs)			906.59
9	Adjustment(+/-) in amount charged made by Oil Company	(Rs)	0	0	49379661.00
10	Handling, Sampling and such other similar charges	(Rs)		- 0	0
11	Total amount charged (8+9+10)	(Rs)	0,00	0.00	49379661.00
12	Transportation charges by rail / ship / road transport	(Rs)	0		49379001.00
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)	0	0	0
14	Demurrage Charges, if any	(Rs)	0	0	
15	Total Transportation Charges(12+13+14+15)	(Rs)	0	0	0
16	Others charges	(Rs.)			0
17	Total amount Charged for fuel supplied including Transportation (11+15+16)	(Rs)	0.00	0.00	40370441.00
8	Weighted average GCV of Oil	(kCal/L)	9495.00	9480.00	49379661.00
9	Weighted average rate of Secondary Fuel	Rs/KL	54153.54	54153,54	9510.00 54216.50

PETITIONER

Name o	of the Company:	NERCH	de ca	surce wise Fuel for	Computation	n or Energ	v Charges							FORM-
Name	of the Puwer Station :	NTPC Lin Bark Supe	r Thermal Power Station	s Stape-II										
S. No.	Mouth	-	100	Patricio III					_					
		Unit	Domestic	Oct-20	I and a second			Nov-20				Dec-20		
			(NTPC Mines)	Domestic (Other Sources)	E-Auction	Imported	(NTPC Mines)	Domestic (Other Sources)	E-Auction	Imported	Domestic (NTPC Mines)	Demestic (Other Sources)	E-Auction	Importe
A)	OPENING QUANTITY										South Control	(Other Sellices)		
1	Opening Quantity of Coal/Lignite	(MMT)	34907.59	117492.56	0	0	70728.27	110456.98						
2	Value of Stock	(Ra)	114513980.56	420310511-17	0	0	233652951.08	10000000	0	9	14287.70	367953.52	0	0.
B)	QUANTITY					-	\$55052501,ue	577832829 04	0	.0	47348553_15	1416072965.63	- 0	0
3	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)	tarnon as	100018111	-	_			.0	0			0	0
4	Adjustment (+/-) in quantity supplied made by Coal/Ligante Company	(MMT)	123900,88	433167.83	0	0	46532.84	579898.84	0	0	147148.38	453491.95	0	0
5	Coal supplied by Coal/Lignite Company (3+4)	(MMT)	- 0	0	0	. 0	605,99	0.00	0	Ö	1531.45	0.00	0	.0
6	Normative Transit & Handling Losses (For coal/ Ligate based projects)		123900.88	433167.83		0	45926.85	579898,84	0	0	145616.93	463491.95	0	- 0
2	Net coal / Lignite Supplied (3-4)	(MMT)	991.21	3465.34	0	-0	367.41	4639 19	0	Ü	1164.94		0	0
70	PRICE	(MMT)	122909.67	429702.49	0	0	45559.44	575259.65	0	0		3707.94		
C)	POSTERIOR DE LA CONTRACTOR DE LA CONTRAC							277427.00	- 2	-	144451.99	459784.01	0.	:0
9	Amount charged by the Conl /Lignite Company	(Rs.)	295427932.00	1235282791.00	30	.0.	109816457.71	10270107000	0		360074044			
9	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	0	-45209066.37	0	D	0.00	1637846760,00	200		350674218.99	1066703854.00	0	0
10	Handling, Sampling and such other similar charges	(Rs.)	3229930,63	11292138 87	0	0	1213052.44	-50838237.52	0	0	0.00	-49556686.11	0	.0
11	Total amount Chirged (8+9+10)	(Rs.)	298657871.63			- 33	1213002.44	15317231.19	0	0	3835972.63	12082650.42	0	0
D)	TRANSPORATION		29805/8/1.03	1201365863.50	0.00	0.00	111029510.15	1602125753.67	0.00	0.00	354510191.62	1029229818.31	0.00	0.0
12	Transportation charges by rail/ship/road transport	(Rs.)											-	30.50
	By Rail				0	0			0	0			0	0
	By Road	(Rs.)	107955088.00	479042323.26			40602421.00	611906391.10			128760905.00	Panti Parking		
-	By Ship	(Rx.)									2010-27-27-2	529115814.77		
-	15.5.4.0.0	(Rg.)								-				
	HHGHA.			7.1					-					
	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)												
	Demarrage Charges, if any	(Ra.)			-									
15	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)	227134 12	201020102	0	0	66103.55							
16	Total Transportation Charges (12+13-14+15)	(Rs.)	108182222 12	794079.87	221	200/311	85303,64	1063066.01	0	0	269751.26	849669.81	0	0
17	Total amount Charged for coal-figuite supplied including Transportation (11+16)	(Rs)		479836403 13	0	9	40687724.64	612969457.31	0	0	129030656:26	520965484,58	0	0
$\overline{}$	TOTAL COST		405840093,75	1681202266.63	0.00	0.09	151717234,79	2211091210-98	0.00	0.00	483540847.88	1559195302.89	0.00	0.00
18	Landed post of ceal! Lignite (2+17)/(1+7)	D. Day											0.00	0.00
-	Blending Ratio (Domestic/Imported)	Rs/MT	3,303.53	3,840.52	0	Û	3,313.94	3,848.51	0	.0	3,344.40	3,594.46	0	0
-	Weighted average nost of coal		18	82		0	22.19	77.81	0	0	31.97	20.000	0	_
20	Congress artification of COM	Rs/MT				3,743.86	-	3729.91		-	31.37	68.03 3514.51		- 0
F) (QUALITY	-										2219.20		
	GCV of Domestic Coal of the opining coal stock as per bill of Coal Company	(Selector)												
	GCV of Demestic Coal supplied as per bill of Coal Company	(ACid/Kg)	4750	413):20	0		4750.00	4193.54			Carrier To	, serious P		
-	and the second company	(kCal/Kg)	4750	4209.38	a		4750.00	4238 50	0	-	4750.00	4229,13	0	

					3,480,16			3,456.65			3,464,87
30	See See See Communication of the Communication of t	(kCal/Kg)			3,486.16			0			
	Weighted average GCV of coal/ Lignite as Received	(kCal/Kg)			0			- 0			
19	GCV of Imported Coal supplied as received at Station				W.				4041.19	3104.09	
28	GCV of Imported Coal of opining stock as received at Station	(kCal/Kir)	3662.73	3433,74	0	3987.60	3294.46		4041.16		
		(kCal/Kg)	3882.73		v	3937.66	2387.19		3957.24	3313.93	
	GCV of Domestic Coal supplied as received at Station	(kCai/Kg)	4133.86	3205.52	0	3443437	- 100			4292.19	
26	GCV of Domestic Coal of the opening stock as received at Station	1 (000) (22)		4293.71			4344.69	-			
25	Weighted average GCV of cont/ Lignite as Billed	(lcCal/K _{iC})			.0			2			
	GCV of Imported Coal supplied as per hill Coal Company	(lsCal/Kg)			0			0			
23	GCV of Imported Coal of the opening stock as per hill Coal Company	(kCnl/Kg)									

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	FO	RM	1-	15A

Nam Nam	e of the Company : e of the Power Station :	NTPC Limit Barh Super	ed Thermal Power Station S	tage-II	
SLN	o. Month	Unit	Oct-20	Nov-20	Dec-20
			LDO	LDO	LDO
1	Opening Stock of Oil	(KL)	2053.73	2325.09	2995.33
2	Value of Opening Stock	(Rs.)	102143047.00	115919120.00	145679944.00
3	Quantity of Oil supplied by Oil Company	KL	271.36	808.25	216.24
4	Adjustment(+/-) in quantity supplied made by Oil Company	KL	0	0	0.00
5	Oil supplied by Oil Company (3+4)	KL	271.36	808.25	214.24
6	Normative Transit & Handling Losses	KL	2/1.30	724	216.24
7	Net Oil Supplied (5-6)		- 0	0	0
8	Amount charged by the Oil Company	KL	271.36	808.25	216.24
9	Adjustment(+/-) in amount charged made by Oil	(Rs)	13776073	36472540	9699251.00
-22	Company	(Rs)	0	0	0
10	Handling, Sampling and such other similar charges	(Rs)			
11	Total amount charged (8+9+10)	(Rs)	13776073.00	36472540.00	9699251.00
12	Transportation charges by rail / ship / road transport	(Rs)	0	0	0
13	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs)	0		
14	Demurrage Charges, if any	0.000		0	0
15	Total Transportation Charges(12+13+14+15)	(Rs)	0	0	0
16	Others Charges	(Rs.)	0	0	0
17	Total amount Charged for fuel supplied including Transportation (11+15+16)	(Rs)	13776073.00	36472540.00	9699251.00
18	Weighted average GCV of Oil	(kCal/L)	9495	9480	9470
19	Weighted average rate of Secondary Fuel				06/3/6/9/3

49855.84

48635,63

PETITIONER

48381.04

Rs/KL

Weighted average rate of Secondary Fuel

							n of Energy Charges	248					
Far	1.000.000								_	Limited	NTPC		ne of the Coropany
TIONAL	ADD							Stear II	Pomer Stat	super Thermal	Barh S		ue of the Power Station
								r. D. Lage-11					
2023	2022-23	2021-22	2020-21	2019-20		1 8	No of Days in the year				Energy Charges	tion of F	Computer
	36	365	365	366		Davy mt/krach	Sp. Oil consumption		-	2019-20	manage charges		
		0.5	0.5	6.25	-	16	Auxiliary consumption	2021-22	2020-21	D919-20		m	Ratu of Energy Charge from
	-	6.25	2,305.73	2,305.73	ah	Keni/Kui	Heat Rate	2.420	2.711	2.612	$\lambda_{\mu} = (Q_{\mu})_{\mu} \times \mu_{\mu}$	d IREC	See. First Oil/ Alternatur Fue
2.3	2,305,7	2,315,73	6,303.73.1	100000000000000000000000000000000000000	ACCOUNT.	5	Computation of Variable Charges	27820	-070	10072			(p/kwh)
0		700 000	261.646	208 450		p/fewh	Variable Charge (Coal)	-					
P. 1	269,80	269,802	2.891	2.807		p/kwh	Variable Charge (Oil)	4.745	4.739	4.770	= (Qst, xyacv),	CHO	Heat Couribation from SPO
	2.58	272.383	264,537	211 257		p/kwh:	Total	4,745	2000	1000	549 MARSH	00.50	Alternate Fuel
27	272.38	272.393	The Court I				the second of						
					_		Price of firel from Form-15/15A Cost Cost						
36	3643.61	3643.61	3691,53	3298.29		(Rs /MT)	Oil Cost	1300.90	2300.98	2300.97	= CHR-W	442	fear Contribution from conf.
-	48391 41	48391.41	54213.47	52631.46	1 3	(Rs/KL)	UR COR		-				
483	48291.01	49221.41								10000	a to comb to		peoffic Primary Fuel
				100	AFTING:	Calculation (Computation of Fuel Exputues for	0.6942	0.6645	0.5925	"HY (SCY)	(Qp)	onsumption
				9239.67		(MUs)	ESO in a year		_				
9231	9214.43	9214.43	9214.43	1262-250		(MUa)	ESO for 50 days	707-70-7	245.293	195.422		ritters.	ate of Energy charge from
1267	1262.35	1262.25	1262.250 33026.24	26311.57		(Rs. Lukh)	Cost of coal for 50 Days.	17.939	243,293	173,422		p.com	runary Fuel (p/kmh)
3405	34055.72	34055.72	644.04	432.26		(Rs. Likh)	Cost of all for 2 months				Market Committee		Secretaria de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela composición
31	396.35	396.35	30052.00	23999.30	0 2	(Ra. Lakh)	Energy Expenses for 45 days	Interview of the		400.000	* (OREC), + (REC),	(REC)	ate of Energy charge ex-
3094	30943,35	20342-231						72.383 249	264,537	231 257	/(1-(ALIXI)		in (becom)
				-	_		Cool						
	With Avg.	lst mooth	2nd month	3rd month		10.000	Wid. Avg. Price of Coal						
	3298.29	3416.41	3245.33	3187.86	- 3	Rs/MT							
	3968.52	3881.94	3996.66	4076,61	- 4	leCat/Kg	Wat. Avg. GCV of Coal as received						
	0.000000	30000		of 85 kralling	tement of	fafter adjuste	With Avg. GCV of Coal as received						
(2019-20	3583.52				T		OCC. 6701						
			theren	\$2197.10	53	Rs/KL	Wid. Avg. Price of Secondary Fuel						
	52631.46	52695.64	52516.21	44.144.84	115	1000							
	9539,11	9470.00	0515.00	9515.00	95	kCal/L	Wtd. Avg. GCV of Secondary Fuel						
	3039,11			2001		11							
							Tall 1						
_	1000	Let month	2nd mouth	ed mouth	3rd :		Coal Wid. Avg. Price of Coal						
	Wtd. Avg. 3691.53	3482.38	3625.50	3420.48	34	Rs/MT	The state of Case						
	100000000	3477.12	3653.84	3573.24	35	hCal/Kit	Wid. Avg. GCV of Coal as received						
	3547,85	3937.12	4050.00	COE W	ment of 6	after whiteless	With Avg. GCV of Coal as received a						
(2020-21	3462.85	_		or as acat kg	TOTAL OF A		Sec. Oil						
12460-21			Alexander of the	********	176.44	Rs/KL	With Avg. Price of Secondary Fael						
	54213.47	34216.50	54153.54	54153.54	3413	Bark L							
	1000000		9480.00	9495.00	9.17	RCaPL	With Avg. GCV of Secondary Fuel						
	9518.09	8210.00	9480.180	11-200	-								
							(comments)						
			nd month	d month 2	Jed m		Cast						
	Wid. Avg.	3514.51	3729,91	3743,86	374	Rs/MT	Wor. Avg. Price of Coal						
	3643.61	11/2/27/2011		3486.16		kCal/Ka	Will Avg. GCV of Coal as received						
	3399.60	3464.87	3456.65	2400.10	210		Wild. Avg. GCV of Coal as received at						
	3314.60			85 keal/kg	sent of 85	mer uajusteme	Sec. Oil						
2021-22)				-		2.350							
	48391,41	49381.04	(8625.63)	9855,84	4985	Ra/KL	Wid. Avg. Price of Secondary Fuel						
	40001/41	Section 1	1943814014			HCnt/L	Wid Avg. GCV of Secondary Fuel						
	9489.77	9470.00	9480.00	9495.00	9491	MCM/L	and the secondary Figs						

PETITIONER

Details/Information to be Submitted in respect of Capital Spares for 2019-20

Name of the Petitioner; NTPC Ltd. Name of the Generaling Station: Barb-II

ST TA	Details of Capital Sparse and Experies in 2019-20 Name of Spars	1	Chimed in a part of orbitimes! Capitaliantos	Fardel through Geoperatory Alternoise	Funded through	Chained as a part of stores	Amount in Re La
	The state of the s	AS per IGAAP	Captoriation	Afternance	Special	and igares	In order to part the concernors beyond and entered
1	PLIND COUPLING/FCS-29 COMP ASSY PEMBRIS.						high auctine availability at all times by the restent
1	CTIMP ANNY PEMBRIL COMPLING PRT-370	11.99	14s	No	Ne	No.	station, units apayment are taken under overheal? examination and imported population for wear and
.1	COMP ASSY JEMBRIL COOPLING 781 460	1694	Jin Jin	No No	Dia 36o	No.	htm: Dividing such works, spores parts of oprimees:
4	The state of the s	8.00	Sin .	56	166	No.	which became decraped' unserviceable are replaced connected in that the machine continue to perform
5	COMP ASSY PCT, GEAR BOX SH 32 3(12 95.1)	14-45	No	No.	760	No	copes ted efficiency on maintaid banks. Further in p
7	COMP ARKY SHANTHI ARLETIN SHOR SPECIAL COMP ARKY SHANTHI DEAR BOX STEVARD	4.51	.260	No	No	No	Regulation 15(6) capital spaces are advisorable
+	ELECONOLISTICON PASSA	13.99	3No	74x	Ma	No.	acparetely as port of CWAM exposites. Therefore it is proved that the capital appear command by the
3		2.56	Ne	No	No	349	instant motion during the period may be placed by
10	ENDIRE, ENG. DREVEN CHRERIPTISAL PRISES	2.62	No	No	Nii	No	allemed by Hearthic Commissions.
11	JSE 900-2000-2-SUCCIMPLETY CATHEROX ASSET	10.93	36e 36e	No.	No.	No.	
	DQC168/235.CC198/1.11TLASKY	9.84	No	No	No	No.	
	PUMP ASSY, EAGLE BURGMANN, EK 477	1628	No	No	Ne	No	
	PUBER ASSY, ATU-B-251, THOMBEGADE CHRIPLETE ASSY, KVL-BIO, KAKATI	350,88	No.	Slo	14a	Ne	
10	PUMP ASSY, 1279/2(21307A51into Km).	62.39	Ne	No	260	140	
	RECEIRED FAT PUMP ASSY, US 200/900	6.75 4.95	Ne	No.	No	750	
	PENULASSY, VG-100/400+TCH-N	11.94	240	No.	No	No.	
	DRYER DRUM ASSY 1617901177, ATLAS COPCO	19.48	765 760	No.	24a	No.	
	GATE VALVE ANNY BRITT, 20,CL 300 BW (30) WCB	3.70	No.	No.	blo	No No	
	GATE VALVE ASSYJUITE, UNICESSORPE BWIMO	12.95	No.	tin	No	No	
1	12-C NH-GY-UW-GO-WCD COMP WV ASH, Y	121	89	Ne	No	No	
1	COMPLETE VALVE ASSY, COPES VOICAN SDI COMPLETE VALVE ASSY, 1755MF 1-S-F1-WSC	7.36	Ne	Ne	Ne	No	
5	COMPLETE VALVE ASSY, FRANCE SSEED WISC	117.43	bla	Str	76e	Na	
_	CTRAPLETE VALVE ARRY \$12+0755+101	24.73	No	Obs.	No	Ne	
	INIABY VALVE ASSY,000014 III X REMOVELL AD	12.01	No.	No.	No	Ne	
6	CREW 100 DRI 2504D Complete valse	1201	No.	No.	No No	No	
	VE506-FRILLION/NWS-COMP-WV-ASSY.	8.77	764	No.	No.	No.	
	6 -C905-RY-RW-F168C1FM-COMP ASSY(MO)	2.75	No	No	No.	No.	
	VALVE COMMUNICATION AND ALBERTA. 18544 (-AZWI-Z-CAXIA), PISTON AND	27.91	No	760	No	No	
4	HEATTR ASSY, BHELTORIO GENERATOR	334	No	PAN	No	244	
_	THRUSE BEASON ASSY NOTBOT 92244 NUMBER	649.00	No	Ne	No	No	
	CCML COMPARTMENT ASSEMBLY	[1.9]	140	Ne	No	Piry	
	PAPELSPRED REDUCER CLUTICH ASSY	10.37	No.	No	No.	Ne	
	HYD ata on vict. 0-55-2284 (12) 6 (c) Belli I.	90.34	No.	No.	No	No	
	VANI: WILET, SEGMENT, AS-LIE DEXEMBER BER	66.32	.%o	No	No No	No.	
	MICHERO PULLEY	6.33	Ne	No	No	No	
	SPREET STATE ANGLE DRAIN VALVE ASV (2) ANGLE ERADE VIV. FRATTSZY, REMERIE ASV (2)	30,81	No	No	No.	No	
	ANGLE DEM WY-EXVIIA 109 CREVIS-LING-940	0.01	Ma	Na	Six	No	
	SOTOR BLADE NOD ARSY J. THE JANGUEL	33i	No.	No	No	No	
	DISPLACEMENT PUMP 156544508-36 LAT 20WIII	7.86	No So	740	No.	No	
	DISPLACEMENT PUMPS 1654459, 651 J. B. T. J. B. W. L. T. B.	25.91	100	Mo No	No.	36a 26a	
	PEDRALLIC POMPLIS JUNE	19.40	Ne	No	No	700	
	T.AMP GEAR ASSY 96088-M-RM-FQ-GA-60+LAT	10,61	Ne	No	No.	No	
	ASSAL PRITON PUBLIC, TRE EONS AND CHARLES COLAL PRINTIN MOTOR AND RESERVE	31.81	160	36)	Str	No	
	HARPALEY/DBOXI HOUSEAFT(DIBOX3490)	30.83	No	Ma	Mil	No	
	NAMER SETS FOR RING GRANULATOR WILLI PLATES	1.00	No	No	Ma	16a.	
Ti	BOTOR AREV EQUISITION OTHER PENNSYL VANIA	14.54	No.	No No	No.	No	
	PSTOR HAMP, ROBERTAND	19.68	No.	No.	No No	No	
	TINKER CRIMER ASSY, SYPH	33,21	No	No.	No.	No No	
	AN III ADE ASSY (0.21-00-38/016 III/V+	9.19	Tio.	Na	164	No	
	CONTROLLER ASSY ALFA LAVAL MAR 300	24.89	10s	240	79a	No	
	ONGONE (435°,5120000) 4,0000, DOZER BB-151 WAT EXCHANGER ASSY, TITERMAX 50-401	51.51	No	140	No	Ne	
fi	T AR CRECUIT BREAKIN TYPE LIF (28)	289.12	Ne	No	Ne	No	
	CB3F EDCLMENT RELSE ARLHULUMACAS	1.00	No.	No.	Ne	No	
	DICUT BREAKER ARE BION LINGSO-RESID LAT	3.72	No ·	No.	761	No.	
ć	&S ACT 250(A, 4)(5V)	13.00	No.	No	261	No.	
	PRING CITABLEING MOTOR(220V/DC)1600A, 3200A	0.34	Ne	34s	No	560	
H	HTORSQ CAGE BIDALIVAC JULIUM, 10P, VI	9.93	No	No	Nn	No	
ř	DTORSGL SQ CASE BID, HKV, JTC496-30F V DESEDVO-METE PRESSURE, SOMVATION EKV	242.20	240	Ne	Ne	No	
	W HV-IV LV-N SSING-METT, PROT HIRE-NIMVA D2/17 SVL 5	5.01	No	Ye	No -	No.	
	V ESHNO-MIL PETROSETO SMVA HA ASEV	0.92	Pás	Ne	No	No.	
H	Y BURHING MIL PILTAGISKY I GMVA HEALISKY	1.42	No.	364	160	No	
71	V BILLING - MIT. DRT+USK LTGMVA, LDDJKV XMB	1.44	560	Mo.	No.	564	
М	DIMERICAL RITAY, FOR LT MOTOR PROTECTION	22.55	360	Ho	No.	760	
H	LLAV NOMERICAL JA NECOM P =Q	2.75	No	No.	Ma	No	
	ELAYAUMERICIDIGITAL IA MICOM P137	132	No	No.	Mo	No	
	HI AY MUNERIC OVER CHURENT, IA MICOM PI 41 PLAY MUNERICHINITAL, IA MICOM PI 33	1.55	No	Ne	No	No	
	PLAY DUNCHER TOWN A MICON 1953 SLAY DIPP PROTECTION (A MICON 1953)	3.27	No	364	No	No.	
		3/01	No.	1in	No	No	
	ATTERY JECTEM-CD 23NV-950AH, CUNTROLLER 24VDC JESCHHIRE MOREUE: FP2	0.32	166	50er	Nei	No.	
41	TO RELAY TEST KIT, MICKER, SMRT 410 WITH ED642500306A	1834	His	No	No	No	
	D SYSTEM - JackW	15.87	No	36)	740	Ne	
	MANE SOCIOMOTETE PROXIDENTE MANE SOCI DESCRIPTION	Lit	Ne	791	No	04e	
	L.VE.803, R000946741	20.11	No	Ne	No.	74e	1
	MARIE ADMINISTRATION OF THE SECOND OF THE SE	2011	No	No	No	Mer	J
	THAT OF PARTY OF PARTY AND THE	10.97	No.	Ne	No	PAR	1
-		1970	No.	No	No	Ne	

Vikudue

15	ACTUATOR ONE USEAT DOUBLE ACT OF SHOOD DOOR V					
10	ACTUATOR PREUBO-1000 INVIA	11.11	No	No.	No	No
57	ACTUATOR PNEUSD-1000-1040A	27.29	No	No.	No	No
105	PONEU ACT FOR MIL CONTROL VALVE ACTUATUR	27.29	No	No	Mil	No.
软	SODIUM ANALYSER CEU BOARD	2.14	Ne	No	No	761
20	COMPLETE OPACITY MONITOR	1.25	No.	No	Ne	No
11	COMPLETE ACT ASSMBLY AUMA SASOARD	±72	No	No	Na	No
92	ADMA ACTUATOR-SA100AR32/CODEM	3.30	No	No	760	No
4	HERC ACTUATOR MODEL BALL 122/ SATH DE DE SPEED 228/94-12940 V.L.) TYDE	4.17	No.	360	790	150
72	ACTUATOR WITH TX	0.60	100	12.0	1.00	146
94	CO ANALYSES PHOSPENO SUPPASO DIOPESO DIOPEN		160	No.	No	No.
9.5	AKALOG IMPUL REDUNDENT MODULE: AIR; ABB	21.10	Yin	No	260	340
16		1.84	No	160	Ton	Mil
_	ANALOG OCTIPET BEDENDENT MODELLE AGG WITH MODELLE DNIPM-22 SKOKOL ARE	1.18				
87	NETWORK INTERPACE INVISELABLE WITH INSTRUMENT		749	No	266	No
Ni-	ABB POWER SUPPLY 24V PSU 230 ACCORDANCE MEDICON FOCESCIANI	21.78	No	No	160	No
19	PROCESS CONTROLLER DROVE, ABB	1.42				1000
(0)	WURKSTATION FOR EWS/STORIAN	37.68	No	No	No.	We
	MAX OPERATOR STATION	41.79	No	Na	844	No
	WORK STATION SEPTEMMAXIMALI FOR PROGRAMMENT	80.34	No	No :	No	No
9	PC WORK STATISTICANSSAUSES	36,07	59	No	Ne	bio
	Manager Company (Company)	40.79	Sto	No.	No	100

Total 3285.41

Details/Information to be Submitted in respect of Capital Spares for 2020-21

Name of the Petitioner: NTPC Ltd. Name of the Generating Station: Barb-II

	Details of Capital Spares and Expenses in 2020-21	7.1	Chierost as a part of whittiess?	Frederings Corpositors	Funded through Aprilal Albertacy (M.	Claimed on a part of state	Amount in Rs Lak
	Name of Space	-	Coptoliurius	Alloquis	- Chinalippi	and spares	
		A5 per IGAAP					In order to must the customers demand and
1	BRY SIZE-300MM-PN16,MATL-C1, CHK-GT V/V FOR STG2	0.92	No	Ne			maintain high machine availability at all times
3	COMP ASST PEMBER, COUPLING SECRETER	24,77	No	No.	No	No	to the amount station, units equipment and
4	COMP ASSY, ELECON, KINN PBS(L415.1 GRAR BOX ASSY, ELECON, KCN200.35.5.1	72.51	Na	No	No No	No	taken under merhaul/ maintenance and
3	COMP ASSY, ELBCON, GEAR BOX, ECHINO 45-1	19.30	Na	No	No.	No No	imperied regularly for wear and tear. Durang
6	COMP ASSY, ELECON CHAR BOX, KD-315	39.38	140	No	No	No	euch works, sparts parts iff equipment's which became damagest unserviseable are replaced.
. 7	GEAR BOX ASSY AT LEMBERRY OR CVC 315	18.69	Ne	No	No	No	commissed to that the machine commiss to
-11	COMP ASSY ALLENBERRY GEAP BOY CYC. DO.	27.50	No.	No	No	No	perform at expected efficiency on numerical
	OFFESC-DIFFERMINASSY	85,78 2,39	No	No	No	No	haste. Further to per Regulation 35(6) curital
10	COMP ASSY, PCT, GEAR BOX SR 32 2(12 v3 f)	4.41	No No	No	No	No	appears are admissible separately as part of
11	GR ASSY,R (8:9/L)PETL BIL (15)	30.16	Nu	No	No	No	ORM expenses. Therefore it is proved that the
11	GESHANTI FUNCOMP EQPT.BTN-400 GEAR COUPLING NO ED 11500	1.03	No	No No	No	No	capital spares consumed by the insure station
14	ELECON.ED6709:COMP ASSY	00,1	No	No I	No No	No	during the period may be please be allowed by Host ble Commission.
15	COUPLING FLECON ED25200 COMP ASSY	3,84	No	No	No	No	
16	COMP ASSY, BURGELEX, COURT ING SCIENT, TANK	R 86	No	No	Nu	No No	
1.0	THOMEJUUR BRG ASSY, 22 CR. 1042	32,22	No	No	No.	No	
18	PUMP ASSY, EAGLE BURGMANN FR 421	17.79	Ne	No	No	Nu	
19	PUMP ASSY, GOODWEN, 100ANZE	19.48	No	No	No	No	5
	PUMP ASSEMBLY	33,44	No No	No	No	No	8
	MDG 405 SLEEVE BRG	3,17	No	No No	No.	No	i a
22	MDG 405:BRG BOX	\$17	No	No No	No	No	
24	PUMP ASSY VO 100/260-TCH+N FaS-70/46:Caraidge Aspendity	5.07	No	No	No	No	9
25	IS-C109-GV-BW-HW/55O-WCB-COMP-V/V ASSY-HW-BFV:PN10:6	6.88	No	No	No No	No.	1
en 4.	TAN-FULDIOUSO CLOMPS FTF ASSEV	1.83	No	No	No.	No No	1
27	6 CMB-RV-BW-FILMCFXW-COMP ASSEVIANCE	6.64	No	No	No	No	
200 17	OR SEAL ASSY,10090398&2.EUNGSTROM	2.73	No	No	No	No.	ı
9 1	HYD ADJ DEVICE 0-35-215-0134981838+	6.61	No	No	No.	No	- 1
10	PAF IWILG Z BLADES	14.28 35.45	No	No	No.	No	
1 V	ANE WHEEL SEGMENT AS THE DOOSAN BOILER	37.50	No No	Nn	No	No	11
2 /X	DURNAL HEAD ASSY, 120-10-5, DOGSAN, BOILER	32.39	No.	Net	No	No	
	PDFC36" HEAD MILLEY YDRAULIC MOTOR MSSI L&T,20W/H	5.43	No.	No	No	No	0.0
5 5	DE BEAM 16 TRF 10 DS-7401/2404	33.09	No	No	No No	No	9.1
	ULLEY D 620 X 1, 2200 X SHAFT D 205	69.03	Nu .	No	No	No No	1
7 150	AC ARM COLIFERR ASSV 6 1 LET TORUGE	7.98	No	Nu	No	No	1
2 18	OTTOM CONSEPANION REGENUNCY (ARE), EDITORS CITE	35.93	No.	No	No	Ne	
7. 171	MCC13ERJES: KOH PUMP ASLY, 19051703	79.90	No	No	No	Ne	
1 63	SH MACHINE.230X119X75MM	15.10	No	No	No	Nu	1
13	RANSITION PANEL COMPLETE (22018)	1.74	No No	No	No	No	1
0	AIR CIRCUIT BREAKHR TYPE LH 1350	1.08	No No	No No	No	No	
	AS ACR 2500A, 425V	1.02	No	No	No	No	
i ci	WS ALONG WITH MONITOR, UPS & SOFTWARE FOR 3.3 KV, 50/1/LA, 15VA, 73/1-1A CL-5P2	0.53	No	No	No No	No	
XE	MR.CURR: OSKF-420,400KV,20VA,5	9.71	Ne	No.	No	No	
100	DVA, MOVI 10 VOLTAGE TRANSPORMER.	\$.86	No	No	No	No.	4
150	T OF VALVES	0.53	No	No	No	No.	1
All	R CELL FOR CONSERVATOR FOR 200MVA XYMR	1,00	No	No	No	No	1
315.17	LY NUM 220 VDC REP.615 ABD-CNB A 1980 UND	1.50	Ne	No	No	No	1
FUG	MPLETE VED SYSTEM . ON EW	3.85	No	No	No	No	I.
-100	MPLETE VED SYSTEM - 15KW	1.15	No No	No	No	No	17
35.00	NEW ACT FOR CONTROL VALUE ACTUATOR	0.86	No	No	No	No	l l
AN ON	ALYZER, WATER, SILICA O-SDIOPPB	13.78	No	No No	No	No	
AN	LINE SODIUM ANALYSER	8.92	No	No	No	No	
AN	AEOG INPUT MODULE CPOHUI CARD, MAXDNA AEOG INPUT MODULE AADHI-SUUK 4400	2.20	No	Nu	No No	No	I.
AN	ALOG EF MODULE:AATH-I-SSE/KAMILYOKOW	11.10	No	Ne	No.	Ne	10
1	ST THE DOLL TO THAT SOURCEMENT OR CW	1.03	No	Ne	No.	No.	1
AN	ALOG ISO OP MODULE: AAI543-\$30/K4A00-1756-QX8LA-BYORO				146	No	life.
1 4.000	ALAL OF BUILDING ADVISSAND VICEOGARA	1.03	No	246	No	No	- II
1500	N I KUL LOGIX PROCESSOR 179A.F AT THE	7.12	No	Mos	No	No.	
2,100	ACESSOR MODER E, CP451-10. WITH COMMUNICATION INTEGRATOR	194.09	No	No	No	No	714
		6.74	943	600	23	100	18
M95	67916698 YOKOGAWA.CPU -INPUT MODULE, CP461-56;AAT145;	6.26	Ne	No	No	No	
	TOTAL WAY	1.24	No.	No.	- 44		
2.007				No	No	44.7	
TER	M BOARD WITH CONNCTR. ADVISSALYOK, YAEAAD & 128, YAEDSD & 11F		3.0		700	No	

Foral FESSES

	Non-Tariff Income					FORM-		
	the Petitioner: NTPC Ltd the Generating Station: Barh Super Thermal Power Statio	on Stage-II						
					Am	ount in Lak		
S. No.	Parameters	2019-20	2020-21	2021-22	2022-23	2023-24		
1.	Income from rent of land or buildings							
2.	Income from sale of scrap	148.47	161.01	TO BE PROVIDED AT THE TIME OF TRUIN UP				
3.	Income from advertisements							
	Total	148.47	161.01					
708/ CX	T. TO TAKE			1				
10% 01 1	Non Tariff Income is being shared with beneficaries.							
				1 15	Jane			
				Just				

						PART FORM- 1
		De	tails of Water Chai	'ges		
e Company :						Rs Lak
e Power Station :	Barh Super T	Thermal Power Station S	tage-II			
		Quantity allocated (Allocation for Barh-I (3x660 MW) & Barh- II (2x660 MW)	Normative consumption at 85% PLF	Rate specified (as per Govt. notification or agreement)	Spillage of water (in percentage)	Amount Claimed
Name of source - River Ganga and Quantity (Cum)	Amount (Rs)	Unit (Cum)	Unit (Cum)	Unit (Rs/kGal)	%	Rs (Lakhs)
23048890	127544201	161201698	34494768	18		1275,44
21277746	109037519	160761256	34400520	18		1090.38
34400520	136089969	160761256	34400520	18		1360.90
34400520	136089969	160761256	34400520	18		100 (WEE)
34494768	136462818	161201698	34494768	18		1360.90
	Details of Water char (excluding water ces Name of source - River Ganga and Quantity (Cum) 23048890 21277746 34400520	Details of Water charges (excluding water cess)	Company : NTPC Limited Power Station : Barh Super Thermal Power Station S Quantity allocated	Company : NTPC Limited Barh Super Thermal Power Station Stage-II	Power Station : Barh Super Thermal Power Station Stage-II	Company : NTPC Limited

			PAR
D	etails of Statutory Cha	rges	FORM-
Name of the Petitioner : NTPC Ltd Name of the Generating Station : Barh Sup			
Particulars	Unit Rate	No of Units	Amount Claimed
Electricity Duty			
Water Cess			
	Sha	ll be submitted a	t the time of Truing up
			Th.
			Siterala
			Patitions

		Details of Assets D	e-capitalized during	the period				PART
Name	of the Petitioner	NTPC Ltd						FORM Amount in Rs La
		NATE LIG						Amount in RS L
Name	of the Generating Station	Barh Super Thermal Pow	er Station Stage-II					
COD		08.03.2016						
or Fi	nancial Year	2019-20						
SI No Asset description		Nature of de-capitization (whether claimed under exclusion or as additional capital expenditure)	Original Value	of the Asset Cap	italised	Year of Put to use	Depreciation recovered till date of decapitalization	Whether earning RoE at the normal rate of weightage average rate of interest on
ecap	italisation Part of capital co	net	(As per Note 2 of BS)	Ind As Adjust	As per IGAAP			loan
	p of MBOA part of capital							
		COST						
10	Decap of EDP, WP machines and satcom equipment	12	16.21	13.24	29.45	2015-2016	6.08	
2	Decap of Misc. Tools & tackles P&M (Electrical Equiment etc)	Claimed in add cap	26,22	3	26.22	2015-2018	5.41	
3	Decap of Construction Equipment	=	7.09	63.79	70.85	2015-2016	14.63	
		(SUB Total -I)	49.52	77.02	126.54		1000	
Deca	p of Capital spares part of	capital cost	33.50	77.02	120.04		26.12	
1	Decap of spares Part of capital cost	Claimed in add cap	1,447.66	195.51	1,643.17	2015-18	339.11	
		(SUB Total -II)	1,447.66	195.51	1,643.17	1927/191		
_					1,0 10.11		339,11	
		Total (I+II)	1,497.18	272.53	1,769.71		365.23	
							305.23	·
	2015 15	Period	Rate of Depreciation					
	2015-16		2018-19	5.16%				
	2016-17	5.16%	2019-20	5.15%				
- 1	2017-18	5.16%	===	5,1270				

Vame	of the Petitioner	NTPC Ltd	capitalized during t					FORM
Vame	of the Generating Station	Barh Super Thermal Power	Station Co					Amount in Rs La
COD			Station Stage-11					
or Fi	nancial Year	08.03.2016						
		2020-21						
SI No	Asset description	Nature of de-capitlization (whether claimed under exclusion or as additional capital expenditure)	Original \	alue of the Asset Ca	pitalised	Year of Put to use	Depreciation recovered till date of decapitalization	Whether earning RoE at the normal rate of weightage average
ecar	pitalisation part of capital cost		(As per Note 2 of 86)	Ind As Adjust	As per IGAAP		decapitalization	rate of interest on loan
Deca	ap of MBOA part of capital cos				The Part Harder			10011
3.5.7								
7	Decap of EDP, WP machines and satcom equipment		14.60	5.40	20.20	2015-16	F.24	
2	Decap of Communication Equipments	300 S == F	1.13	0.44			5.21	
	Date of the second	Claimed in add cap	8.34	7850000	1.57	2015-16	0.41	
3	Decap of Misc. Tools & Tackles P&M etc.			0.04	8.38	2015-18	2.16	
			0.20	-	0.20	2017-18	0.03	
		SUB (Total I)	26,41		1.94	2019-20	0.10	
Deca	ap of Capital spares part of cap	ital cost	29,41	5.88	32.29		7.91	

1	Decap of spares part of capital cost	Claimed in add cap	380.06	102.52	462.58	2015-18	124.45	
		Ommined in and Cap	1.76		1.76	2017-18	, , , , , , , , , , , , , , , , , , ,	
-			17.94		17:94	1.70-20-1102	0.27	
Dec	ap of Other Asset part of capita	SUB (Total II)	399.76	102.52	502.28	2018-19	1,85	
4.41	A TOTAL CONTRACTOR OF THE PARTY	cost			902.28		126,57	
1	Decap of structures	Claimed in add cap	9.57	5.73	otench (
		Tana area area		0.73	15,30	2015-16	3.95	
_		SUB (Total III)	9.57	5.73	15.30		1920	
1	1	27/10/20					3.95	
		Total (i to iii)	435.74	114.13	549.87			
Γ					3-12.07		138,42	×1
1	2015-16	Period Rat	e of Depreciation					
	2016-17	5.16% 201		5.16%				
[2	2017-18	5.16% 201 5.16% 202		5.15%				
		2.1970[202	W-21	5,15%				Wendin

Sur	nmary of Gross Block Reconciliation		Form -
Nan	ne of the Petitioner :NTPC Ltd		
Nan	ne of the Generating Station : Barh-II		
-			(Amount in Do Late
SIN	0 0 0		(Amount in Rs Laki
1	ranicular	2019-20	2020-21
2	Closing Gross Block as per IND AS (4+2)	1052045.21	1055056.65
_	Add/Less: Adjustments *(break up given below) (a+b-c)	21017.02	3011.44
	a Add: Additions as per Note-2	9887.66	3000.00
_	b Add: Additions as per Note-2 out of adjustment coloumn	14386.10	3966,09
_	c Less: Decapitalisation as per Note-2 out of adjustment colourn	3256.74	-304.76
3	Closing Gross Block as per IGAAP	1066416.34	649.89
4	Opening Gross Block as per IND AS	1031028.19	1069412.00
5	Add/Less: IndAS Adjustments *(break up given below) (e-f-g-h+i+j)	-2,745.94	1052045.21 -15.79
	Add: Vendor discounting out of assets in the year 2019-20	-895.01	
	Less: Unwinding expenses Capitalised during 2010, 20	0.00	0.00
į	Less: IND AS Adj of Decapitalisation out of ROW 6 (Mitigating the impact of carrying cost exemption to arrive)	281.33	0.00 -3.57
-	Less: Total addition in capital OH asset class (including adjustments also)	2539.52	19.36
- 1	Add: Decapitalisation of capital Overhauling during the year	969.91	0.00
J	Add/Less: Any other IND AS adjustment having impact on PPE (Specify each item)	0.00	0.00
6	Opening Gross Block as per IGAAP	1048145.27	1066416.34
7	Total Additions as per books (G = 3 - 6)	18271.07	2995.66
3	Less: Barh-I	3167.19	2099.35
)	Net Additions pertaining Barh-II (7-8)	15103.89	
0	Less: Exclusions (items not allowable / not claimed)	8826.32	896.31
1	Net Additional Capital Expenditure Claimed (on accrual basis)	6277.56	-1720.56 2616.87
2	Less: Un-discharged Liabilities (as per IGAAP)		20,0,0,
1	Add: Discharges of un-discharged liabilities	2,016.89	658.85
	corresponding to admitted assets/works (as per IGAAP)	14026.15	3519.68
- 11	Net Additional Capital Expenditure Claimed (on cash pasis) 11-12+13)	18286.83	5477.69

	-	-		
,		1	7	
	١		j	
	ľ	Ī		

Marie Mari	•1			Statement showing	ilem/assets/warks ci	simed under Exclusi	ens			PAI
Mary					NTPC Ltd.					FORS
State Stat	Vame	of the Generating Station				Dames Cartier De	**			Amount le Re
Second Content Conte					08.03.2016	Tower Station Stage	6-11			
R. No.	or Fi	nuncial Year								
	_									
		44.000				ACE Chimal	and the Royal Control			
A	St. No.		Equipment		Ind AS A4j.	Accrual basis as	Undischarged Liability included in	Cosh hasis		Jostification
M.A.S. Adjustment	(11)	(2)		(3)	JA	39 - 1434			m cor. a	
						33-313A	4	5m (3B-4)	(6)	(7)
1.50 1.50										
1896 1896	-									
Sub Total (1) 1589.61 -159.61	314	Granuling		1569.61	-1569.61	6.00	0.00	0.00		
Interval Transfer Interval Tran			S. 63976 T. 197 D. 24			11.000	0,00	.0.00	0.0	These adjustments are due to change in accounting practices. Therefore, kern under
To Rament	-		Sub Tetal (1)	1569,61	-1569,61	0.00	0.00	0.00		The state of the s
To EDC	2	Intermit Transfer								
To ESC	2.1		To Barreri	044	WYG					
To REIO								+0.64	0.00	
10 NKTPS	2.3	FTSP. Wit machiness						-2.71	0.00	As not provide the House, Co.
1								-7.42	0.00	tariff, these are temporary automassion is not considering the inter unit transfers for
To TSJ1PS		and section estaquinents etc.					0.00		0.00	and, acce are morpolary nature type transfers , hunce kept under exclusion
To VSTPS				The state of the s	The second secon		0,00			
Sub Total (2)	27				The second secon			-0.641		
Sub Total (2) 48.72 46.84 -15.56 0.00 -15.56 0.00	- 4		2500 5000	-40.00	√0.40	-1.20	0.00			
9584.69 0.00 9584.69 0.00 9584.69 0.00 9584.69 0.00 As per Tariff Regulations, 2019 foreign exchange liability due to ERV is to be hilled directly to beneficiary, accordingly the same is. kept under exclusion. Minor Adjustment J.52 8.00 -3.52 6.60 -3.52 8.00 These are minor cost adjustments. Therefore, kept under exclusion. Reversal of Liability J.52 8.00 -5.74 0.00 -6.74 -6.74 0.90 Since tariff on cash liasis liability reversal is kept under exclusion. Sub Total (5) -7.39.29 6.00 -7.39.29 -7.39.29 6.00 8.00 8.00 8.00 8.00 8.00 8.00 8.00			Sub Total (2)	-8,72	-6.84	-15.56	6.60			
Sub Total (3) 9584.69 0.00 9584.69 0.00 9584.69 0.00 9584.69 0.00 0.00 0.00	3	ERV Loan		9584.69	0.00	9584.69	0.00	9584 69	0.00	As per Tariff Regulations, 2019 foreign exchange liability due to ERV is to be hilled directly to beneficiary, accordingly the same is been under exchange.
3.52 8.60 -3.52 8.60 -3.52 8.60 -3.52 8.60 These are minor cost adjustments. Therefore, kept under exclusion.			Sub Total (3)	9584.69	0.86	9584.69	0.00	9584.69		my most Stellistiti,
Structural Steed Works	4	Minne Adjustment		-3.52	8,00	-3,52	6.60	-3.52	0.00	These are minor oust adjustments. Therefore, keep under exclusion
2 ESP6.74 0.00 -6.74 -6.74 0.00 Since tariff on each basis liability reversal is kept under exclusion. 312.38 0.00 -312.38 0.00 Sub Tetal (5) -739.29 6.00 -739.29 -739.29 0.00 0.00 Total Exclusion (AI to A5) 10402.77 -1576.45 1826.23	5	Reversal of Liability							11	The second secon
2 ESF 312.38 0.00 -512.38 0.00 Since tariff on each basis liability reversal is kept under exclusion. 3 Generator Transformer 420.17 0.00 -320.17 -420.17 0.00 Sub Total (5) -739.29 0.00 -739.29 0.00 0.00 Total Exclusion (At so A5) 10402.77 -1576.45 1926.23	S1 1			6.74	2.00					
-420.17 0.00 -420.17 0.00								0.00		Since terriff on each basis liability reversal is been as for
Sub Total (5) -739.29 6.00 -739.29 739.29 6.00 6.00 6.00 6.00	1 (sengrator Transformer						0.00		the state of the s
Total Exclusion (AI to A5) 10402.77 -1576.45 1925.23			34277 VOICE	The state of the s	0.00	+420.17	-420.17	0.00		
*12 (0.45) 493.6 291 man in			Sub Total (5)	-739.29	6.00	-739.29	-739,29	7,000	0.00	
	- 1	otal Exclusion (AI to A5)		10402.77	-1576.45	8826,32	-739.29	9565.62	0.00	

FOS Amount in 6					NOTIFIC CALL			the Petitioner	Name of
			0	Pawer Station State	NTPC Ltd. Burk Super Thermal			the Generating Station	ame st
			"	Sect Contract Mago	04.03.2016			Ration COD ucial Year	
					2920-21			ncial Year	or Pana
	1								
			r Exclusion	ACE Claimed unde			89		
Justification.	EDC included in col. 3	Cash basis	Undischarged Liability included in cal. 3.	keerual basis as per IGAAP	Ind AS Adj.	Accrual basis as per Note 2	uipment	Head of Work / Eq.	l. No.
(7)	(6)	3+(38-4)	4	38 = 3+3A	2A	(9)		(2)	(i) :
	5 NO 1							dipanent	LAN.
								revelations.	metabag
	0.00	0.00	0.00	0.00	-19.36	19.36		Overhauling	1
hese adjustments are due to change in seconding practices. Therefore, kept suder excha-	0.00	0.00	4,04	0.00	-19,36	1936	Sub Tetal (1)		
								Intermit Transfer	2
a per practice, the Hor/Me Communication is not computating the linear unit manufers for unit	0.00	0.53	0.60	0.53	0.40	0.LX 3.62	From ERLI HO	EDF, WF machines and salcom equipment our	12
ese use temporary nature type transfers , hence kept under exclusion.	0.00	3.82	0.00	3.62	0.00	1,000	To Baraus	cor, we macrinica and colorin equipment du	2.3
Street M	0.00	-8.64	0 an	+0.64	0.00	-0.64	10 numin		2011
	0.00	3.71	0.00	3.79	11.40	3.31	Sub-Total (2)		
a per Tariff Regulations, 2019 foreign exchange liability due to ERV is to be billed direct mediciny, accordingly the same as kept under exchange.	0.00	-1437.66	0.00	-1457.68	0.00	+1457.68		ERV Lasa	-
2011 Julius Brown	0.00	-1437.68	9,00	-1437,68	0.09	-1437,68	Sub Tatal (3)		
								Minac Adjustment	4
less are minocost adjustments. Therefore, kept under exclusion.	0.00	-6.09	0.00	-0.09	0.00	-0.09	BHEL.	Steam Generator Island & ESP	.1
	0.00	-0,23	0.00	-0.23	0,00	-0.23	C DOCTOR & COMPANY PVT LTO de	Air Condition & Ventilation System	2
	11.00	-0.34	. 000	-0.34	6.00	-0.54	UNITECH MACHINES LTD	Fire fighting System	3
	6.00	4.10	11.00	-0.10	0.00	-0.10	Kass Kripol singh	Inventip & Colony	i.j
								Reversal of Liability	
				11.000.000.00		700.00		Ream Generator	1
	0.00	0.00	-180.04	-280,04	0.60	-180.04		Cation Piping	-
	11.00	0.00	-35.07	-55,07	0.00	-35.07		Ash Handling	-
nce tariff on each begin liability reversal in kept under exclusion.	1111111	0.00	-45.12	-45.12	0.00	-45.12	Coal Handing		-
	0.00	0.00	-7.23	-723	0.00	-7.23		Sectrical Eggs Supply & Erection	-
	0,00	0.00	-16.38	-38,38	0.00	A18.38		some supply at Lieumi	-
	0.00	0.00	-285.84	-285.84	8.00	-285.84	Sub Total (5)	An was represented the result	4
	0.00	-1434,72	-285,84	-1720.56	-18,96	-1791.60		otal Exclusion (A1 to A5)	-
Witnes									ie:

PART 1 FORM- L

Name of the Petitioner Name of the Generating Station

NTPCLId Barh Super Thermal Power Station Stage-II

Statement of Capital cost (To be given for relevant dates and year wise)

			2019-20			(Amount in 2020-21	ка, такај
5. No.	Particulars	Accrual Basis	Un-discharged Liabilities	Cash Basis	Accival Basis	Un-discharged Liabilities	Cash Basis
Α	a) Opening Gross Block Amount as per books	1022077.49	53741.96	968335.53	1037181.37	40993.40	996187.9
	b) Amount of IEC in A(a) above	208221.22	0.00	208221.22	208229.24	0.00	208229.2
	c) Amount of FC in A(a) above	0.00	0.00	0.00	0.00	0.00	0.0
	d) Amount of FERV in A(a) above	51316.21	0.00	51316.21	60900.90	0.00	60900.9
	e) Amount of Hedging Cost in A(s) above	0.00	0.00	0.00	0.00	0.00	0.0
	f) Amount of IEDC in A(s) above	66103.49	0.00	66103.49	66107,45	0.00	66107.4
В	Addition in Gross Block Amount during the period (Direct purchases)	10225.96	95.78	10130,18	370.34	80.63	289.7
	b) Amount of IDC in B(a) above	0.00	0.00	0.00	0.00	0.00	0.0
	c) Amount of FC in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in B(a) above	9584.69	0.00	9584.69	-1437.68	0.00	-1437.68
-	e) Amount of Hedging Cost in B(a) above	0.00	0,00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in B(a) above	0.00	9.00	0.00	0.00	0.00	0.00
С	a) Addition in Gross Block Amount during the period (Transferred from CWIP)	6631.12	1921.11	4710.02	1255.87	578.22	677.65
-	h) Amount of IDC in C(a) above	8.01	0.00	8.01	0.00	0.00	0.00
	c) Amount of PC in C(a) above	0.00	0.00	0.00	0.00	0.00	- colore
	d) Amount of FERV in C(a) above	0.00	0.00	0.00	0.00	1007	0.00
	e) Amount of Hedging Cost in C(a) above	0.00	0.00	0.00		0.00	0,00
	f) Amount of IEDC in C(4) above	3.95	0.00	3.95	0.00	0.00	0.00
-	n) Deletion in Gross Black Amount during the period	1753.20	0.00	1753.20	729,91	0.00	729.91
	b) Amount of IDC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	c) Amount of FC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
- 10	d) Amount of FERV in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in D(a) above	0.00	0.00	0,00	0.00	0.00	0.00
) Amount of IEDC to D(a) above	0.00	0,00	0.00	0.00	0.00	0.00
t	Closing Gross Block Amount as per books Amount of IDC in E(a) above	1037181.37 208229.24	40993.40 0.00	996187.97 208229.24	1038077.68 208229.24	37846.74 0.00	1000230.94 208229.24
	Amount of FC in F(a) above	0.00	0.00	0.00	0.00	0.00	0.00
- 0	f) Amount of FERV in E(a) above	60900.90	0.00	60900.90	59463.22	0.00	39463.22
6	Amount of Hedging Cost in E(a) above	0.00	0.60	0.00	0.00	0.00	0.00
10	Amount of IEEC in E(a) above	66107.45	0.00	66107.45	66107.45	0.00	66107.45

Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date

PART 1 FORM- M

	iven for relevant dates and year wise]		2019-20	_		(Amount in	Rs. Lakh)
S. No.	Particulars	72 05 20	I State Stat			2020-21	
versonio:	\$400000 000	Accrual Basis	Un-discharged Liabilities	Cash Basis	Accrual Basis	Un-discharged Liabilities	Cash Basis
A	a) Opening CWIP as per books	7.11	0.00	7.11	271.02	160.70	771.5
	b) Amount of IDC in A(a) above	0.00	0.00	0.00	37.81	159.67	111.3
	c) Amount of FC in A(a) above	0.00	0.00	0.00	0.00	0.00	37.8
	d) Amount of FERV in A(a) above	0.00	0.00	0.00	0.00	0.00	0.00
41	e) Amount of Hedging Cost in A(a) above	0.00	0.00	0.00	0.00	0.00	0,00
-	f) Amount of IEDC in A(a) above	0.00	0,00	0.00	0.00	0.00	0.00
В	a) Addition in CWIP during the period	6895.03	2080.77	4814.26	4933.43	2415	
	b) Amount of IDC in B(a) above	45.82	0.00	45.82	127.55	3437.08	1496,35
	c) Amount of PC in B(a) above	0.00	0.00	0.00		0.00	127.55
	d) Amount of FERV in B(a) above	0.00	0.00	0.00	0.00	0.06	0.00
	e) Amount of Hedging Cost in B(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	f) Amount of IEDC in B(a) above	3.95	0.00	3.95	0.00	0.00	0.00
C	a) Transferred to Gross Block Amount during the period	6631,12	1021 11				
- 12	b) Amount of IDC in C(a) above	8.01	1921.11	4710.02	1255.87	578.22	677.65
	c) Amount of FC in C(a) above	0.00	The second secon	8.01	0.00	0.00	0.00
	d) Amount of FERV in C/a) above	0.00	0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in C(a) above	0.00	0.00	0.00	0.00	0.00	0,00
	f) Amount of IEDC in C(a) above		0.00	0.00	0.00	0.00	0.00
	The state of the s	3.95	0.00	3.95	0.00	0.00	0.00
D	a) Defetion in CWIP during the period	0.00	-			== 7.01	0.00
	b) Amount of IDC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	c) Amount of FC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	d) Amount of FERV in D(a) above		0.00	0.00	0.00	0.00	0.00
	e) Amount of Hedging Cost in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
- 17	f) Amount of IEDC in D(a) above	0.00	0.00	0.00	0.00	0.00	0.00
		0.00	47.00	0.00	0.00	0.00	0.00
E	a) Closing CWIP as per books	271.02	180.00			400000	0.00
	b) Amount of IDC in E(a) above	37.81	159.67	111.35	3948.57	3018.53	930.04
	c) Amount of PC in E(a) above	The second secon	0.00	37.81	165.36	0.00	165.36
	d) Amount of FERV in E(a) above	0.00	0,00	9.00	0,00	0:00	0.00
	e) Amount of Hedging Cost in E(a) above	0.00	0.00	0.00	0.00	0.00	0.00
	Amount of IEDC in E(a) above	0.00	0.00	0.00	0,00	0.00	0.00
	The second state of the second	0.00	0.00	0.00	0.00	0.00	0.00

Note:

Relevant date/s means date of COD of unit/s/station and financial year start date and end date

Calculation of Interest on Normative Loan

Name of the Company: NTPC Limited Name of the Power Station : Barh Super Thermal Power Station Stage-II

S. No.	Particulars	Existing	Carte Participation	Service Contract	1	(Amou	nt in Rs Lakl
1	2.55 F. C. H. C. ES, C. N. 50	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
i	Gross Namusia 1	3	4	5	6	7	
-	Gross Normative loan – Opening	6,64,656.87	6,72,912.28	6,85,713.06	6,89,547.45		8
2	Cumulative repayment of Normative loan up to previous year	1,00,668.46	1,49,352.02	1,98,962.74	2,49,419.28	7,19,279,95 3,01,249.16	7,19,298.15
3	Net Normative loan - Opening	5,63,988.42	5,23,560.26	4,86,750.33			3,54,173.54
4	Less: Normative repayment of loan During the year		2 Maria Maria	4,00,750.55	4,40,128.16	4,18,030.79	3,65,124.61
-		49298.02	49975.94	50594.97	51829.87	52924.38	53652.46
5	Add: Increase due to addition during the year / period	7552.85	4,221.27	1,755.52	29,732.50	2017/03/2019	
6	Less: Decrease due to de-capitalisation during the year / period	-614.46		2000-500-00	25,752.50	18.20	19,772.20
		-014.40	-1238.80	-384.91	0.00	0.00	0.00
7	Less: Decrease due to reversal during the year / period	0.00	0.00	0.00	0.00		
8	Add: Increase due to discharges during the year /		100000	0.00	0.00	0.00	0.00
	period	1317.02	9818.30	2463.77	0.00	0.00	
9	Adj. Cumulative depreciation adjustment on account	450400 B.7		Common to the	0.00	0.00	0.00
-	of de-capitalisation	614.46	365.23	138.42	0.00	0.00	0.00
10	Net Normative loan - Closing	5,22,945.80	4 96 750 22	7/4 (Mar 1/4/2) (1/10)	T2-17-W0007-X2-W5-7	0.00	0.00
11	Average Normative loan		4,86,750.33	4,40,128.16	4,18,030.79	3,65,124.61	3,31,244.35
12		5,43,467.11	5,05,155.29	4,63,439.24	4,29,079.48	3,91,577.70	3,48,184.48
12	Weighted average rate of interest	7.2487	6.4049	5.9471	5.6378		
13	Interest on Loan	30207.36		21,7471	3.0378	5.4595	5.3385
		39394.30	32354.70	27561.07	24190.55	21378.18	18587.70

Calculation of Interest on Working Capital

Name of the Company:	NTPC Limited
Name of the Power Station :	Barh Super Thermal Power Station Stage-II

		100000000000000000000000000000000000000				(Amount	in Rs Lakh	
S. No.	Particulars	Existing 2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	
1	2	3	4	5	6	7	8	
1	Cost of Coal/Lignite	37,822.26	26311.57	33026.24	34055.72	34055.72	34055.72	
2	Cost of Main Secondary Fuel Oil	367.44	432.26	444.04	396.35	396.35	397.44	
3	Fuel Cost		-	- 11101	570.55	390.33	397.44	
4	Liquid Fuel Stock			120		-		
5	O & M Expenses	2,516.52	2887.51	2826.25	2804.68	2844.69	2931.90	
6	Maintenance Spares	6,039.65	6930.02	6783.01	6731.24	6827.26	7036.57	
7	Receivables	70,468.91	46333.35	52011.99	52707.43	52704.17		
8	Total Working Capital	117214.78	82894.72	95091.54	96695.44	96828.20	52802.16	
	Rate of Interest	12.8000	12.0500				97223.79	
	Interest on Working Capital	15003.49	9988.81	11.2500	10.5000	10.5000	12.0000	
	and Capital	15005.49	2288.81	10697.80	10153.02	10166.96	11666.8	

	f the Petitioner					Statemen	t of Liabilit	v Flow			
Name o	f the Generating Station			NTPC Ltd.		1					
	Station COD			Burh Super The	rmal Power Station !	Stune II				PART-	
For Fin	ancial Year			68.63.2016	The second of th	suge n				FORM-S	
										TOMAN 2	
SL No.	Party	Asset/Work	Cairrest /Allowed/StarPowed/ Not claimed	Year of actual capitalisation	Undischarged (liabilities on 01.04.2029	Liability in additional capitalization for 2020- 20	Contractors ERV	Distharge during the year 3029-20		Total dissbarre	
) For	axsets eligible for Normal RoE			-				-by payment	-by reversal		\$1.03.2019
	Sales engine for (vormas Rok								- A League	-	
										-	
1	NBOC LTD	7777									
2	MUNESHWAR NAVIN CONSTRUCTION	SITE LEVELLING PLANT	Claimed	2015-16							
1	HARI CONSTRUCTION & ASSOCIATE+DS:D3036	SITE LEVELLING-PLANT	Claimed	2015-18	-				11		
14 1	RANJAN KUMAR	Approach Rowers	Claimed	2015-16	184.77					-	
	VINAYAKA CONSTRUCTION	Approach Roads	Claimed	2015-16	53,065						
	VINAYAKA CONSTRUCTION	Drem	Claimed	2015-16	27,841	-				-	53,0
7	PREMIKUMUR	Heliqueds		2015-16	4,41,555		- 9			-	27.8
	SHIVA ENGINEERING CO	Boundary Wall	Chimed	2015-10						-	4,41,66
	& A CONSTRUCTION	Fancing	Claimed	2015-16	91,000	-					
	RAM NIWAS SINGH	Austiery Buildings	Cherried	2015-16	-					-	91,00
10 g	NVK CONSTRUCTION	Audiny Buildings	Chairned	2015-16					-		
12 N	INAYAKA CONSTRUCTION	Citistraction Power Supply		2015-16							
13 h	IAND LAL SINGH	Other Ensitting Work		2015-16				10			
14 4	NR. PRATAP SINGH	Other Enatising Work			5,35,743			5,35,743		-	
13 H	AQUE CONSTRUCTION	Other Snahing Work	14-20 H 11 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2015-16 2015-16	2,02,491			3,00,740	_	5,35,743	
to H	ARI CONSTRUCTION & ASSOCIATES	Other Enabling Work	To the second se	2015-16	24,806	23					2,82,48
17 4	AI IOSHUN SINGH	Other Enabling Work							-	-	24.60
18 8	R ELECTRICALS	Other Enabling Work	10000000	2015-16	51,757						
	HUBHAM CONSTRUCTION	Other Engbling Work	11.000	2015-16	8,638				-	-	\$1.76
20 5	NGH BROTHERS	Other Enabling Week		2015-16	5,000	4			-		8,63
21 14	BCC LTD	Reads Bridges & Culverts		2015-15	8,100						5.000
22 R	KINDUSTRIES JUNIT OF COSMOS	Estamai Power Supply System	Control of the last of the las	2015-16 2015-16				-	-		8,100
23 68	URENDRA PRASAD	Driemal Power Supply System		2015-16	22.01.654						
24 31	UKHDAYAK CONSTRUCTION	External Power Supply System		2015-16	-						22,21,654
	P BARIAR & SONS	Residental Building-CMI Work	The second secon		46,899	-					7735000
	ARANVEER BINGH YADAV	Rasidental Building Call Work		2015-16					-	-	45,891
17 K/	VIANVEER SINGH YADAV	Residential Building-Civil Work	2300000	2015-16	9.05,733	-					1,00%
28 VI	NAYAKA CONSTRUCTION	Residen Bidgistem Electrific	C20-11-12-11-11-11-11-11-11-11-11-11-11-11-	2015-16	1,75,485		130			-	9,06,733
P#	RABHU NATH SINGH	Survice Building-Civil work	The state of the s	2015-16	14,000	-			-	-	1,78,465
ti Pu	INSET CONSTRUCTION	Service Building-Civil work		2015-10	200						14,000
I R	DENTERPRISES	Service Building-Chil work	200000000000000000000000000000000000000	2015-16	5,14,131	-					107.074
2 192	TESLID	Service Building-Inter Electrica		1015-16	5,748		- 3			-	5,14,131
J TE	CHNO ELECTRICAENGI	RLY SIDING WORKS HITES		1015-16	47,832	4				-	5,745
4 PS	ABHU NATH (SNIGH	Fusi Storage tank		015-16	16,39,86,994		-	3 54.97 173	7.	THE RESERVE OF THE PERSON NAMED IN	47,332
	NAYAKA CONSTRUCTION	Pipeline	A 200 March	015-16	-					3,54.97.173	14,84,80,821
6 04	NGOTRI ENTERPRISES LTD	Pipatne	11 40 20 20 20 20 20 20 20 20 20 20 20 20 20	015-16	-						
7 HA	AL CONSTRUCTION & ABSOCIATES	Picetne		015-16	20,30,615						
8 KA	RNVER SINGH YADAV ENTERPRISES	Pineine		015-16	2.19.70 163	-			-		20,30,815
a TIE	CHNO SERVICES ENCINEEDING	Ppeline		015-16	90,000	2				-	2.19,70,163
o be	PLEX WATER ENGINEERING PVT LTD	CW System Equipments	200000000000000000000000000000000000000		22,76,654		- 4		-	-	50,000
1907	THAT ENGINEERING PVT LTD	DM Water-Turnicey	Claimed 2	015-16					-	-	22,79,854

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Statement of Liability Flow

me of the Petitioner	NTPC Ltd.			
une of the Generating Station	Bark Soper Thermal Pow	PART-I		
te of Station COD	08.03,2016	a diamen stage-11		FORM-S
Financial Year	395.05.2010			

St. No.	Party	Asset/Work	(Albued/Disalound/ Not delmed	Year of actual copicalisation	Undischarged liabilities on 01.04.2019	Liability in additional capitalisation for 2019- 20	Contractors FRV	Discharge during the year 2019-20		Total discharge	Undischarged liabilities as on 11.03.2018
71								by payment	-by reversal		
42	MINIMAX GmBH & Co. Kg	Fire Detection & Protection System-Turck	Claimed	2015-16	+			-			
43	HINDUSTAN COMMERCE & INDUSTRY	Fire Dataction & Protection System-Turns	Clamed	2015-16							
44	TECHNO SERVICES ENGINEERING	11 KV & 3.3 KV Swithgear	Clamed	2015-16	-						
45	INDUSTRIAL SALES CORPORATION	11 KV A 3,3 KV Swithown	Claimed	2015-1e	23					- 0	
46	BHARAT HEAVY ELECTRICALS LTD WPRO LTD	409/132 KV Switch went Package	Claimed	2015-1€	1,44,77,408		-	1 12			1,44,77,498
47	The state of the s	Networking	Claimed	2015-1E	= -						1,44,77,499
48	JAY MATA DI ELECTRICALS	Networking	Clamed	2015-16	1,000,875						
49	SRI AVANTIKA CONTRACTORS (6 LTD	Site Clearance & Levelina	Claimed	2015-16	20.55.383					-	20.55.363
50	CONCAST STEEL & POWER LTD	Temp, erection incitding, woodenworks	Claimed	2015-16	2,25,000		- 1	2.25,000		2.25,000	
-	DHANANJAY KUMAR	Temp, erection inciding, woodenworks	Cizimed	2015-16	5,000	82		22300		2.25,000	
	RANJAN KUMAR	Temp. erection inciting secodenworks	Claimed	2015-16	46.775	-					1,009
	UNIQUE ENTERPRISES	Tamp, wedter inciding ecodenies is	Cizimed	2015-16	9,815						46,775
53	CHANDRA BROTHERS	Construction Power Supply	Claimed	2015-16					-		9,615
55	KARNVEER SINGH YADAY ENTERPRISES	Construction Power Supply	Cleamed	2015-16	61,247	. 22	72.5				20000
	PADHH LAXMLENTERFRISES	Other Enabling Work	Claimed	2015-10	100				1		61,247
56	NAND LAL BRIGH	Other Enabling Work	Cleaned	2015-16							
57	Juvenille Engineers Pvt Ltd	Other Enabling Work	Claimed	2015-16	79.750						21.000
58	NAVAYUGA ENGINEERING COLTD	Main Plant Buildings	Claimed	2015-16	3,10,82,735	24,13,486	- S	1,20,38,518	-	4 20 20 24	79,750
59	NAVAYUGA ENGINEERING OD LTD	Structural Steer Works	Claimed	2015-16	8,45,80,379	23,05,032		1,28,95,089		1,20,36,818	2,14,57,403
60	MAA JIYA ENTERPRISES	Roads & Culturits	Claimsed	2015-16	17.235	ELOCOSS.	-	1,211,173,0818	6,73,950	1,35,69,040	7,33,16,371
.61	Gammon India Ltd.	Chimney - Coll	Claimed	2015-16	11.00.0			-	-	-	17.235
62	BHARAT HEAVY ELECTRICALS LTD	Steam Geografice	Claimed	2015-16	2,50,17,09,370		10,51,40,832	20.00 12.00	-	SS CL TO TO	
53	POWERTECH CORPORATION	Steam Generator	Cinimed	2015-16	2,58,147		10,51,40,632	89,05,43,005		89,65,43,665	1,71,03.05,538
64	ARVOS ENERGY INDIA PRIVATE LIMITED	Steam Constitor	Claimed	2015-16	1,81,304			2,41,000		2,41.858	20,289
65	STOCK REDLER INDIA P	Steam Generator	Claimed	2015-15	18.300			1,81,304	-	1.81.304	-
	R CONSTRUCTION	Steam Generalor		2015-10				-			
67	TOOLS & TOOLS (INDIA)	Steam Generator	Claimed	2015-16	201		- 1		-		
66	ASSOCIATED ROAD CARRIERS LTD	Steam Generator		2015-18				-			
	DRESSER VALVE INDIA PVT LTD	Steam Generator	Chaimed	2015-16	37,941			-	-	-	-
70	EASTERN TRADE CENTRE	Steam Generator	Claimed	2015-16	21,021			-	-		37,941
71	BHARAT HEAVY ELECTRICALS LTD	Electrostatic Procipitator	Claimat	2015-16	26.63.72.324		15,65,437		-		
	LALAN CONSTRUCTION	Electrostatic Precipitatol	Claimed	2015-18	5 35,500		10,00,437	23,66,99,305	3,12,38,455	26,79,37,762	-
	BHARAT HEAVY ELECTRICALS LTD	Testime Generators Accidents	Claimed	2015-16	1,09,77,11,303		# 74 FF 047	F 71 000	-		5,38,500
	GIEMENS LTD	Turbine Generators Auditorics		2015-16	37,407		5,34,55,012	5.74,205	-	5,74,205	1.14.06,92,710
	VISSION AUTOMATION PVT LTD	Turbine Generatora Applianes		2015-16	37,750	-		-	-	-	37,497
76	CRANE PROCESS FLOW TECHNOLOGIES	Turbana Generatoră Auxiliaries		2015-16	10.839		-	-		_	- 7188111
	TECHNICAL TOOLS BALES AGENCIES	Turbime Generators Auxiliaries.		2015-16	17,034	-		-	-		10,538
78	BRAY CONTROLS INDIA PVT LTD	Turtime Generatora Auditories		2015-16	64,955						
	ASSOCIATED ROAD CARRIERS LTD	Turbing Generatora Austieries.	720100000	2015-18				-		-	64,985
	ASTECH MARKETING PVT LTD	Turbine Generators Austianes		2015-18	30,883	-		-			30,883
81	TURBO TECH POWER SERVICES	Turbine Generatora Auxiliaries		2015-16		-	-				
82	TUDHAGO PUMPS PVT, LTD	Turbine Generators Auxiliaries	Clames	The state of the s	7,336	-		-		-	7,338
	MICHELL BEARINGS JIN	Turbina Generator& Australia		2015-16			-			-2	
	VOOTH TURBO PVT LTD	Turbime Generator & Austlarius		2015-16		-	-	-		+:	12

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Statement of Liability Flow Name of the Pelitioner Name of the Generating Station Date of Station COB For Financial Year NTPC Ltd. Barh Super Thermal Power Station Stage-II 08.03.2016 PART-I FORM- S

85	YOKOGAWA INDIALTD		/Allowed/Darkowed/ Not claimed	Year of actual capitalisation	Undocharged inhibites on 05,04, 2019	Liability in odd b orad expital isotion for 2019. 20	Contractors ERV	Discharge during the year 2019-20		Total discharge	Derfacturged liabilities at on 33,93 2019
86	ABB India Limited	Turbine Generators Austinnes	Clarect					-by payment	-ty reversal	-	
87	MIL CONTROLS LTD	Control & Instrumentation		2015-16	-			-	-ty reversal		
-88	ELECTRO MECHNICO PROJECTS PVT LTD	Control & Jestrumentation	Chemed	2015-16	3,29,50,586		13.94.509	37 94 848	-		
89	FORBES MARSHALL PVT LTD	Control & Instrumentation	Charmed	2015-16	-		20027,0048	37 94,646	-	37,94,946	3,95,60,240
90.	SMT EXPORTS	Control & Instrumentation	Clamed	2015-16	2,47,234			24111	-	-	
	ASSOCIATED ROAD CARRIERS LTD	Control & Instrumentation	1000000	2015-16				2,47,234		2.47.234	
92	OVERSEAS COMMERCIAL CORPORATION	Control & Instrumentation		2015-16							
01	POLYCAB WIRES PVT LTD	Control & Instrumentation	25000000	2015-16				-			
94	TRELTO	Instrumentation Castle	200 200 200	2015-16	17.264	-		-			- /-
	AAKAR INFRA ENGINEERS PVT LTD	Cool Handing - Turnkey		2015-16				-	-		17.26
95	ANIFELODINA ROY	Coal Hunding - Turnkey	10 Call 10 Call 20 Cal	2015-18	28,43,36,897	43,895		2 40 1 1 1 1			711.000
	A K CONSTRUCTION	Core Hamiling - Turnkey	40.00	2015-16	8,83,677			7.02.14.035	-	7,02,14,035	21,41,68,511
98	THE PRECISION PROCESSING EQUIPMENT	Coal Handing - Turnley		2015-16	1.09.392	22 2		-	-		0,83,67
99	CHARAT BUT OF THE PROCESSING EQUIPMENT	Cost Handling - Turnkoy		2015-16	23,052		-	1,09,362		1.09.362	4,000
100	GUMRAT PLUB IN DEVICES (P) LTD BLECON ENGINEERING CO LTD	Coul Handling - Turring		2015-16			-	-			23.06
101	ELECTRO MENGINEERING CO LTD	Sool Hending - Turkey		2015-16				-			88,000
and the second	ELECTRO MECHNICO PROJECTS PVT LTD	Coal Hundling - Turckey		2015-16			-				
	CBM MANUFACTURING PVT LTD MK ELECTRICAL WORKS	Gost Handing - Turnkey		2015-16	57,550		-			-	
04	NA SLEUTHICAL WORKS	Cop! Handling - Turntary	2640 2	2016-18	92,930			57,559	- 4	57,559	
011	DO INDUSTRIAL PLANT SERVICES	Ash Handling-Turnkey		2015-16	5.500			-	A***		92,930
06	IP INSTRUMENTS PVT LTD	Arth Handling-Tyrokey	Claimed	2015-16	7.66.09.550	8.07.400	-	and the second			9,500
07	DARSH FOWER CONSTRUCTION	Ash Handing-Turniey		2015-16	38,954	AMEAN	-	2,73,28,730	-	1.73.28.730	6.04.08.312
	ASSOCIATED ROAD CARRIERS LTD	Ash Handing-Turnkey		2035-16		-	-	-	27		
00 1	HCLA RAM STEELS PVT LTD	Ash Handling-Turnkey	Charried	0015-16			-				39,964
10	MOUE CONSTRUCTION	Ash Handling-Turnkey		1013-16							
11 6	AKATI KARSHAK INDUSTRIES PVT LTD	Ash Handling-Turnkoy	Claimed 2	015-16	27,000	1					
17 8	ESWELD AUTOMATION PVT LTD	Ash Handling-Turnsey		NO15-1G	Si Deser	-	-	-	-		
12 8	HIVAUR INFRASTRUCTURES AND PROJECT	Ash Handking-Turnkey	Glaimed 2	2015-16	17.745						27,000
17	ECHNO SERVICES ENGINEERING	Ast Hending Turnkey	Citimes 2	915-16	10.143	-	-	= = = 0	- 1		
17 8	CONSTRUCTION	Ash Witter Resignation System	Clamed 2	015-16	29,418						17,745
4.50	FLUID	Ash Water Recirculation System	Cinmed 2	915-16	69,410	-					7,715,000
16 U	NITECH MACHINES LTD	Ach Water Recognition System	Claimed	015:16		-					29,415
A.	EETA CONSTRUCTION	Ash Water Reproduction System	Claimed 51	015-56	3.92,52,126						
18 K	ARMVEER BINGH YADAV ENTERPRISES	Ash Winter Recognition System		015-16	a.M. Sr. 126			1,16,39,533		1,18,39,553	19900000
B/	AC EQUIPMENTS	Ash Water Recruitment System		215-16	2,70,784					1,19,36,363	2.75.12.573
0 A	K GONSTRUCTION	Ash Water Recordation System		015-16	2,711.704		-				
1 B	ANKIM & COMPANY	Ach White Decire of the Control of t		015-16	07.000						2,79,784
2 M	UKAND ENGINEERS LTD	Ash Water Recirculation System		115-16	97.652	- 1					
3 W	PLLTD	Ash Water Recirculation System		018-16	3,92,672					-	97.652
4 86	SS VALVES PVT LTD	CW System-Equipments		15-10						-	3.82 872
5 AS	ISOCIATED ROAD CARRIERS LTO	CW System-Equipments		115-18	27.000						
JA.	IMAHAVIR CONSTRUCTION	CW Bystem-Equipments		115-15	39,650		- 2	- 12	-	-	
7 51	RULECTRICALS	CW System Equipments		15-16	-						30,680
8 No	stationa Construction Co Ltd	CW Sestem Equipments	A CONTRACTOR OF THE PARTY OF TH	15-16	18,615						
3165		CW & Makeupwater System- Chr. Work	10 A Co. (1) 1	15-16	47,872				-	-	15,815
		E West expected and another system	120	12-16	42,15,349		- 10		-	-	47,172
									-	stende	42.15.349



of the Petitioner	Statement of Liability Flow	7
of the Generating Station of Station COD	NTPC Ltd.	
manrial Year	Bark Super Thermal Power Station Stage-B 08.03.2016	PART-1 FORM- S

129	Negarjuna Combraction Co Ltd		/Allowed/District/ Mot claimed	Year of actual capitalisation	Unobstanged Rabilities on Dt.04.2016	Liability in additional capitalisation for 2029- 20	Contractors Eff.V		uring the year 9-20	Total dacharge	Underlanged flatslittle muon 81,03,2019
130	ALI ENGINEERS & CONTRACTORS	Makaup water system-Carl Work	Claimed	2015-15				-by payment	-by reversal		
131	ERA INFRA ENGINEERING LIMITED	Makeup water system-Chri Work	Clemed	2015-16	1,10,46,946			7.00			The state of the s
13.2	JA! MAHAVIR CONSTRUCTION	Makeup water system-Chil Work	Claimed	2015-16	11,738						1,10,48,946
133	TRIVENI ENGINEERING A INDUSTRIES	Makeup water system-Clue Work	Clemed	2015-16	4.41.000						11,716
3.24	CAPITAL CONTROLS INDIA (P) LTD	Water Pre-Treatment Plant	Citimed	2015-16	49.862		- 2			-	4,41,000
1.12	AKCONSTRUCTION	Water Pre-Treement Plant	Claimed	2015-16	7.70				-		49,682
130 1	BANGM & COMPANY	Water Pre-Treatment Plant	Claimed	2015-16	41,286		-				- 5177.1
137	AJEETA CONSTRUCTION	Visiter Pro-Treatment Plant	Claimed	2015-16	5,467						41,286
1.5E	MCNALLY BHARAT ENGG COMPANY	Water Pre-Treatment Plant	Glaimed	2015-18						-	5,467
134	SUNIT KUMAR SINCH	Water Pay Treatment Plant		2015-16	4,059						- Training
140	TECHNO SERVICES ENGINEERING	Water Pre-Treatment Plant	The second secon	2015-16	4,21,70,885			17,84,490		100	4,069
141	DRIPLEX WATER ENGINEERING PVT LTD	Widnir Pre-Timalmed Plant		2015-16	7,867		-	7527500		17,54,490	4,03,86,395
1942	INTECH MACHINER LTD	DM & Chemical Inserment Plant	Claimed	2015-16					-	-	3,957
143	SA ENTERPRISES	DM & Chemical treatment Plant		2015-16							
144	AHARPUR COOLING TOWNSON TO	DM & Chemical treatment Plant		2015-15							
E43 3	ORBES MARKHALL DUTLING	Consta Tower		2015-16	-						
146	SSOCIATED ROAD CARRIERS LTD	Cooling Tower	4111	2015-16	13.02.01.173	-	- 1				
147 3	WAN ENGRONMENTAL PUT LTD	Cooling Tower		2015-16					-	+	13.62.61,173
48 8	CHIMOUSTRIES	Efficient Gunity Management System	The state of the s	2015-16							
	INITECH MACHINES LTD	Station Plains		The state of the s							
50 4	SSOCIATED ROAD CARRIERS LTD	Station Aping	147 200 000	2015-16							
151 /	NITECH MACHINES LTD	Station Piping		2015:16	3,12,73,313	23,401		98,99 740	_		
52 8	CHM BOSALTD	Fire Detection & Protection System-Turnet		2015-10	-			25,99,740	-	98,69,740	2.13.96.974
53	BB India Cid	Pire Detaction & Protection System-Tame	200.00000000000000000000000000000000000	2015-15	2,14,75,151	\$7,000	3,94,407	0.00.00			
54 6	PROSKAR CHILLERS PVT LTD	Air Conditioning	23737070	2015-16	51.85.387		885,492	5,70,911		5,70,811	2,13,55,647
55 0	POCTOR & CHILLERS PVT LTD	Air Conditioning	44/17/18/19	2015-16	30.120.500			-	-	-	51,86,887
-	DOCTOR & COMPANY PVT LTD	Ventation		2015-16							
	AS ELECTRIC LTD	Generator Bus Dast & MV Bus Ducts		2015-16	71,96,966	45,783		14410134			
- 170	ANOHAR ELECTRICALS LTD	LT Cuteggr Transfermers		2015-16	- 1.9000000			19,32,977	7-4177	19,02,977	53.39.772
	SC EQUIPMENTS	LT Outdoor Transformers		X15-16						180478991	15000018
60 10	EGAMIN SWITCHGEAR PLIMITED	11 KV 5.2.3 KV Swithgear		015-16							
57 19	OVERWITT WOLLD TO	11 KV & 3.3 KV Swittpear		1015-15	3,590						
62 6	MARAT HEAVY ELECTRICALS LTD	11 KV & 3.3 KV Swittgear		015-16			-				3,690
61 6	AS ELECTRIC LTD	LT Swichgeer & LT Bundpot		D15-10			-		-	- +	3,350
14 M	ECTRO MECHNICO PROJECTS PVT LTD	LT Setchpear & LT Susdact		015-16	37,39,871		-	-			
1000	ASSTECH SWITCHGEARS PVT LTD	LT Swichower & LT Suether		915-16	5,500			37,39,873		37.39.673	
100	MENS LTD	Electrical Exp! Supply & Erection		D15-16	9,44,600			-	- 4		5,500
17.74	L POWER SYSTEMS LTD	Electrical Egg: Supply & Erecturi		015-16	3,49,23,921		-	- 4			9,44,600
	KOGAWA INDIA LTD	Electrical Eggs Supply & Erection	Claimed 2	015-10	1.85.850			-			3,49,23,921
0 10	EL DELHI	Generalia Transformer		015-16	10,000,000	-			-		The second secon
99 58	MENS LTD	490/132 KV Serich yent Package		015-10	5.96.95.822		-	-			1,45,860
N BO	HNEIDER ELECTRIC INDIA PVT LTD	Networking		215-1e	3,73,10,414	-	-	1.74,58,780	4,20,17,042	5,95,05,822	
TE	STING INSTRUMENTS MANUSCOCK WHILE	MBOA-1	Clamed 2	215-16	12,75,621			3,73,10,414		3,73,10,414	-
2 AB	RO TECHNOLOGIES PVY LTD	MBCA - I	Citimeis 21	115-16	9,684			10000		33,33,474	49.75.000
		INDION I	Claimed 21	713-16	4,004						12,15,621 8,684





Name of the Petitioner	Statement of Liability Flow
Name of the Generating Station Date of Station COD For Financial Year	NTPC Ltd. Barb Super Thermal Power Station Stage-II PART-I 08.03.2016 FORM-S

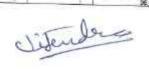
173	Party ADOR INELDING LTD	AssetWork	Caimed /Aliawed/Drastowers Not claimed	Year of actual capitulisation	Und scharged trictities on 61.04.2023	Debiling in additional capitalisation for 2013- 20	Contractors ERV		during the year	Total discharge	Undischarged habilitie 43 on 31.03,2019
	Amagemeted Biotech	MBQA - I	Claimed					-by payment	-by reserval	_	
175	ANAMICA ENGINEERING	MBOA - I	Clemed	2015-16	60.000	+ 1			Log response	_	
176	APJ ENTERPRISES	MBQA-1	Cinimed	2015-16	14,500			,			60,000
177	ASTRA COMMUNICATION	MBQA-1		2015-16	60,430			-		+	14.50
178	GINEBUNIC ALIDIO VISUAL PVT LTD	MBCA-I	Claimed	2915.16	1,08,000			1.0	-		00,43
179	ELECTRO THERAPY	MBOA - I	- Particular State of the Control of	2015-16	23,919			-	-		1,08.00
The last section is	ENDER ENGINEERS PVT LTD	MBOA - I	Claimed	2015-16	48,780		-				23,916
181	G S COMPUTEL PVT LTD	MBOA - I	Chimed	2015-18	1,30,000			-			45,780
182	G S COMPUTEL PVT (TD	MBOA - I	Clamed	2015-16	19,410			-			1,30,000
(8)	Godbyl & Bosce Mtp Co Ltd	MBOA-1	Citimed	2015-16				-			19,610
	inda Marketing	MBOA-1	Cigirren	2015-18	76,380			-	-		18,410
	NFCCARE	MBIOA - I	Claimed	2015-18	33,608		-				
10.7	MACNELL ENGINEERING LTD	MBCA - I	Claimed	2015-16	24,800			- 4			78,389
100 0	NECORD SYSTEMS & SERVICES PVT LTD	MBCA - I	Clained	2015-16	82.921						33.600
1.00	PAY CUSTATIONS SHOT I TH	MBOA -	Cleimed	2010-16	29,000	-					24,800
100	REPROGRAPHICS INDIA	MBOA - I	Claimed	2015-16	30,500	-					82,921
199	SINTEX INDUSTRIES LTD	MEOA - I		2015-16	37,000				100		29,000
(90) 18	SINTEX INDUSTRIES LTD	MBOA-1		2015-16				4		-	36,500
191 1	IUMESH PETROLEUM	MBOA		2015-16	16,000		-				37,000
192 5	JUNRISE INDIA	MBOA-1		2015-16	37,621		A.			-	16,000
193 (D MARKETING PYT LTD		444.00	2015-10	50,000			- W		-	37.621
194 W	VELO EXCEL INDIA LTD	MBOA - I	120.00	2015-16							60,000
195 17	EREX EQUIPMENT ERNATE LIMITED	MBOA - I		2015-16			1			-	40
196 F	ASTRACK ENTERPRISES	MBOA - II		2015-16	21,550	-				-	
197 0	RBIT TECHNOLOGIES PVT LTD	MBOA - II	4000000	2015-16	55,500		101		-		23,550
198 6	oche & Bayon Mig Go List	MBQK - II		2015-16	1,02,800				-	-	58 500
99 A	LCHEMIE GASES & CHEMICALS PVT LTD	MBQA-II	4.1			2.			-		1.02:800
200 T	humo Figher Scientific	MBDA - I		2015-16					-	-	
201 58	SHA INSTRUMENTS 8 CHEMICALS	MBOA-JI		2015-15				-			
102 8	av System & Commun	MBOA - II	And the second s	2015-16	35,000			-	-		100
203. (0)	GS COMPUTERS PVT LTD	MBOA II		2015-16	21,450				-		36,000
04 (3)	SH SECHERON ELECTRODES PVT LTD	MBQA - II		2015-16	5,001				-		21,450
105 50	HARMA FURNITURE HOUSE	MBOA - II	But the state of t	2015-16				-		1	5,001
06 F0	RANGIS KLEW & CO PYT LTD	MBOA - II	AND CONTRACTOR OF THE PARTY OF	2015-16				-	-	-	-
07 M	DIS INDIA PUT LTD	MBOA - II		2015-16							
	213 BUILD PVT LTD	MBOA - I		015-16			-		-		
09 AN	ELIRDELIS TECHNOLOGIES PVT LTD	MB04 - II		015-18						-	
10 00	45 COMPUTER SOLUTIONS PVT LTD	MBOA - II	Clamed 2	015-16		-			2.0	-	
11 100	AVIN ACHESIVES PVT LTD	MBOA - II		015-16					-		
17 IAB	WL LTD	MBOA - N		915-16		-	-				
12 1943	SPIRA ENTERPRISE INDIA PVT LTD	MBOA - II	Citimed 2	015-16		-	-	-		425	
130	STS ENGINEERING	MBOA - II	Caumed 2	015-16			-				-
De De	HI SECHERON INDUSTRIES	MBOA - II	Claimed	615-16	45,100	-	-				-
15 [11]	LTD	M3OA - I	Claimed 2	015-16	20,300	1	- 4				1000
0 04	NESH FABRICATION WORKS	MBOA - I		015-18			-		- 1		45,100
	A STATE OF THE STA	11150M-1		015-16				-			



Statement of Liability Flow

Name of the Petitinner	Statement of Liability Flow	
Name of the Generating Station	NTPC Ltd.	
Date of Station COD	Bark Super Thermal Power Station Stage-II	PART-I
For Financial Year	08,03,2016	FORM-S

SI, No.	Party	Asset/Work	Claimed /Allowed/Use/lewed/ Not claimed	Year of actual capitalisation	i/mdischarged Labilities pn 01,04,2019	Liability in additional capitalisation for 2019 20	Commetters EMV	Oncharge da		Total discharge	Undocharged (Wilifile 45 pn 81.03.2019
217	ANAMICA ENGINEERING	MBOA - II						-by payment	-try reversal		4500145050
219		MBOA - II		2015-16	2,775	2.0					
and the second second	BLUE STAR LTD	MBOA - R		2015-16			- 100	-	-		2,775
220	DAS FLECTRONIKS	MBCA-1		2015-16					-		
221	DETECH DEVICES PVT LTD	MBOA - II	Claimed	2015-16					-	-	-
222	Eureka Forbes LM	MBOA - II	Clamed	2015-16	32,500	174.77			-		
223	GALAXY TELECOMMUNICATION	MBOA - II		2015-16				-	-	-	32,500
224	Graphine Computers (P) Lat	MBOA - I	12011110000	2015-18	13,989			-	-		
225	HYDROTEC SYSTEMS	MB04 - 1		2015-16	9,000	4		9.000	- 1	-	13,989
	JAIN TRADING CO	MBOA - II		2015-18	3,000	E 15		-	-	9,000	
227	MACNELL ENGINEERING LTD	MBOA - II		2015-16	26,500						3,800
	MAC-WOOD(IND(A)	MBOA II		2015-16	1,25,400			-		- 4	26,500
220	MAHINDRA STELLER AUTO TRUCKS LTD	MBCA-II		2015-16	18,000						1,29,400
230	METALLIC SYSTEMS & INTERIORS	MBQA I		2015-16	35,695			-	-	-	18,000
231	NEVCO ENBINEERS PVT LTD	MEGA-I		2015-16	3,265				-	- 14	35,695
	R K SURGICAL ENTERPRISES	MBOA - II		2015-16	78,000	-		70.100			3.265
	SARTECHINTL	MECA - II		2015-10				78,000	- 32	76,600	- 27
234	SIGMA SEARCH LIGHTS LTD.	MBCA-II		2015-16	3,20,000						
235	SPHERE COM SERVICES PVT LTD	MBDA - I	Claimed	2015-10	78.122				-		3,20,000
23n	SWASTIK AGRO AGENCY	MBOA-1		2015-16	17,003		-	-	-		76,122
237	SYNDICATE INDUSTRIAL BERVICES	MBOA - II		2015-10	19,000		-	-		1	17,083
231	THE PICNEER SURGICAL WORKS	MBOA - II		2015-16		- 2	-	-	0.00		10,000
239	PUMANT KLIMAR SINGH	Other Ensisting Work		2015-16			-	-	-		-
240	WANCHAR PRASAD CONSTRUCTION	Other Enabling Work		2015-16	74.317			-		- 4	
241	SHARAT HEAVY (LECTRICALS	Steam Conerator		015-16	12.938			-	-		74,317
242	MARAT HEAVY ELECTRICALS LTD	Steam Generator	Claimed	015-16	1,15,035		+	-			12,938
243	ANDERSON GREENWOOD CROSBY SANMAR	Steam Generator		016-18	4,30,272	7		1,10,035		1,15,035	
244	hermocare Rockword India	Electrostatic Pracrytistor		X215-1G	7.5				-	+	4.30,272
245	SUMESH PETROLEUM	Electrostatic Precipitator	Claimed	015-16	1.33.488	-	-				
246	SSTRUMENTATION LTD	Turbine Generatora Auritarios.		015-16	1,000,000		- +	1,33,485	-	1,33,488	
	MOEHI ENTERPRISES	Turbine Generatorix Auritarios.	Chimes	015-16	1,25,650		-			- 100	
248	NGINEERS & TRADERS	Turtime Generation Austines	Claimed 2	015-16	63,263		-	-		-	1,25,608
249	MAR CONVEYOR ROLLER INDUSTRIES	Turbino Generators Australias	Claimed	015-16	27,430		-	-			63,203
250	EWALL INDUSTRIES	Coal Handling - Turning	Chamed 2	215-16	10,465	-		-	-		
251 8	AS INTERNATIONAL	Coal Harding - Turnsey	Claimed 2	015-16	1,55,853	-	-	-			10,465
	RICONSTRUCTION	Coal Handling - Turnkey		010-16	5,16,018	-		10.0			1,55,653
	LUIDOMAT LTD	Goel Handing - Tunder		010-19	9,10,010		-	7,25,350		7.25,360	90,000
254 6	ANCHIMACHINE TOOLS CORPORATION	Coal Handling - Turnkey		089-16		-	-		- 50		30,000
155 6	EGENT TRACING COMPANY	Coal Handling - Turnkry	The second secon	015-16		-	-	201			
156 1	TA NOA LIMTED	Sont Handling - Tutnikey	100	015-16			-	- 1			5.1
257 p	UNEET CONSTRUCTION	Coal Handling - Turnkey	120000000000000000000000000000000000000	015-16	1.33 899	-	-		-		-
258 2	USPANJALI CONSTRUCTION	Water Pre-Treatment Plant	100000000000000000000000000000000000000	015-16	1.35,099	-	-				1 12 000
59 p	CI LTD	Electrical East Supply & Election		015-16	2.000	-					1,13,899
er falma de	OSHVIWAL ENTERPRISES	Generator Transformer	The state of the s	215-16	1,929				- +		2000
	CHARLES TENENTHERES	400/132 KV Switch yard Package		115-16						-	1,939



The Politioner	Statement of Liability	Flow
f the Generating Station. Station COD	NTPC Lid.	
metal Year	Barh Super Thermal Power Station Stage-II 08.03.2016	PART-I
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261		Asset/Wark	(Allowed/Etmilowed/ Mot claimed	Year of actual capitalisation	Underharged labilities on 01/84 2019	Listelity is additional capitalisation for 2019- 20	Comractors ENV	Discharge du		Total docturge	Undocharged liabilities
262	INVAS TECHNOLOGIES PVT LTD	MODA - II									31,03,3019
	TEXTILE MACHINERY MFG CO	MBOA - II	Claimee	2015-16	72,448		_	- by payment	-by reversal		
264	ESK INDIA COMMERCE AND TRADE	MBCA - II	Clained	2015-16	74,410	-	-				
265	COTS & COTS	MBCA - E	Clpimed	2015-10	1.11.702		- 4	- AT			72.456
266	MILLENNILM IMPEX PVT LTD	Turtime Generators Austinges	Claimed	2015-19	1,21,851		- 1				1000
200	Aukar Engineers & Committees	Contiffunding - Turnley	Claimed	2015-18	62,058						1,11,782
-control of	JUENG NEERING PVT LTD	MBOA - II	Claimed	2015-16	21,10,591	-	-				1,21,851
-	INVENTA CLEANTEC PVT LTD	MBQA - B	Claimed	2015-16	82,400	-		20.28 :52		20.00 .60	82,058
200	TRITORG EQUIPMENTS PVT LTD	MBOA - #		2015-16	3,060		- 1			29,28,152	10,90,739
	G D MARKETING PVT LTD	MBOA - II	Chimed	2015-16						-	82,490
171 1	Brooks instrument India Pvt Ltd	MBOA-II	Claimed	2015-16	90,764		- 1				3,000
212	MARISON PUMPS OUT / TO	MBOA - I	Claimed	2015-16	67,800			67.800		100	90,754
41.1	RUSSELL TECHNOLOGIES WORK	MBOA- I	Mark Control	2015-15	3,91,522	-		3,33,846		67,800	
5 PM 10	DARL BOC DUBLING IN CO. TO		Table 1 and	2015-16	7,564			100000	-	3,33,948	17,576
4/3	DGPS	Ash Handling-Turnkey	Carlo City	2215-16	8,965		-		-	-	7,584
376 8	BURAT GOODS TRANSPORT PVT LTD	Ash Handing-Turricy	W. C.	2015-16	5,18,806	-			-	-	8,968
수시선 기념	BRAY CONTROL STRIPES INCT TO	Turbine Generators Austraries	10 20 20 20 20 20 20 20 20 20 20 20 20 20	2010-16	5,37,970				-	-	5,18,800
218 IF	SANCHI MACHINE TOOL & COROON VIII.	Ash Handking-Turnkey	1944 14 14 14 14 14 14 14 14 14 14 14 14 1	2015-16	11,400						1,37,970
F17 (N	MANORIAR PRASAD CITIARTO IOTION	Tutbine Generatora Applianes	- 24500 1000	2015-10	43,938			- 27	-		11,400
TON THE	STUROGEN ALIVE IADIDO NOTO TO	CW & Makeupwater System- Civi Work		2015-10	5.48.275	4.15	- 1	5,18,961	-	-	43,938
ant B	British & Touten Fish	Turbine Generaliy & Appliantes.	30000000	2015-16	1,27,143		-	79,079	-	5,18,961	27,314
182 W	ADMITORING TECHNOLOGIUS	LT Swishgare & LY Busduct	Total Control	015-16 015-16	12,650			/3/0/8	-	79,079	48.064
19.5	COTS ENGINEERING	MBQA - II				40.1			1	-	12,650
84 C	ONTROL COMPONENT INDIA PYT LTO	Electrical Egot Supply & Erection		015-16	23,59,995			THE PERSON	-		
181	OSCH REXACTH INDUCTOR	Control & Indeprepatation	ALCOHOL: NO	015-18	17,93,500		- 1	21,59,995	-	21,59,965	2,00,000
100 144	AV HIND CONSTRUCTION	Cost Handling - Turnkey	and the second of	015-18	5,95,175		- 1	16,41,000	-	18,41,660	1,52,000
87 8	APS POWER EQUIPMENTS PVT LTD	Electrical Eupl Supply & Exection		015-16	35.99.657	-		5.95,175		5,95,176	1,500,000
88 14	NIQUE FOWER TECH ENGINEERING	Coal Handling - Turnkey		015-16	6,71,659		-	35.99.657	-	35.99,657	
89 B	ALVISA INDUSTRIAL EQUIPMENTS	Main Plant Suitings		015-16	85,34,840			44.555	14.1		6,71,569
90 E	AST NOW TRANSPORT AGENCY	MBOA - II		015-16	9.24.377	2,57,872	-	15,34,940		B5 34 940	9,71,500
91 14	AYWARD TYLER LIMITED	Ash Handing-Turnicey		015-16	2.08,500	Aug. Jan.	-	8,98,914	-	8,98,914	3,13,335
92 14	VMI HYDRAULICS PVT LTD	Stoom Generator		015-76	2,64,384			2,08,500		2,08,500	4,10,020
	SB ML CONTROLS UMITED	Steam Generator		015-16	4.27,11,704		-	-		- 1	2.64,384
122	BUSINESS DATED	Steam Generator		015-16	49.500			+		-	4,27,11,704
	RIHANT INTERNATIONAL	Steam Conerator		05-16	1,90,503		-	-	-	-	
16 AC	ANCHAR PRASAD CONSTRUCTION	Fire Detection & Protection System Turns		115-16	73,597		-				49,500
Pr Ra	TION CONSTRUCTION EQUIPMENT	MBCA - II		15-16	3,600		-				1,90,503
	SFI .	Free Hold Land	Claimed 28	15-16	2.17,600			- 4	4		79.597
9 5	SHIGHOUND ENERGY PVT LTD	Rooftop Solar Photovoltaic system		15-15	263908724		-	2,17,600		2,17,600	3.600
	SANDAN AUTO MOBILES	MBOA - I		10-20	- ASS-101-124	445.44		91,50,818		91,50,818	- Table 1
AT	LAS COPCO INDIA LTD	Turbine Generatora Austanies	Clamed 20	19-20		1,85,000				O LOGOTH	25,47,57,906
I MI	JENNIUM IMPEX PVT LTO	Turbina Commission of the Comm	Claiment 20	19-20		2,82,000					1,95,000
2 len	A INDIA LIMITED	Turbine Generators Appliance	Ctained 20	19-20		4,04,161					2,82,000
		CW System-Equipments	The state of the s	19-20		57,154					4.04.161
			20	10.00		11,100					57,154
						111111111111111111111111111111111111111					11,100



Statement of Liability Flow

Name of the Petitioner	Statement of Liability Flow	
Name of the Generating Station Date of Station COD	NTPC Lid.	
For Financial Year	Surb Super Thermal Power Station Stage-II 66.03,2616	PART-I FORM-S
	9000000	FORM-S

St. No.	Party BHARAT HEAVY ELECTRICALS LTD	AssetWork	Chirmed /Allowed/Dhallowed/ Mot claimed	Year of actual capitalisation	Unclustrarged Rabilities on 02.04.2019	Liability in additional napitalization for 2010- 20	Contractors UTV		during the year	Total dacharge	Underharged Fabrities es on 91.03.2619
304	TAKEN INDIA LTD	Control & Instrumentation	Claimet	2019-20				- Бу рауния	-by reversal		
305	GE POWER INDIA LIMITED	Steam Generator	Clamed	2019-20		3,71,079			-		-
306	CONTROL COMPONENT INDIA PVI LTD	Steam Generator	22212222	2019-20		78,810					3,71,079
307	LEYBOLD INDIA PVT LTD	Corriel & Instrumentation	200	2019-20		4.42,440					76.018
308	NDUSTRIAL TRADE LINKS	Turbing Generators Auditores				2,97,586				-	4,42,440
	TECHNO SERVICUS ENGINEERING	Turbrine Generators, Australies		2019-20		14,41,494			_	-	2,97,588
310 4	BHARAT HEAVY ELECTRICALS LTD	Water Pre-Traumont Plant		2019-20		2,26,175					14,41,494
311	MPILLTD	CW System-Equipments	24001000	2019-20		1,04,896			-	-	2,26,175
312 5	MPL LID	Water Pro-Teculment Plant		2010-20		1,21,000			_		1,04 856
313 8	SE OIL & GAS INDIA PRIVATE LIMITED	Steam Generator		2019-20		49.042			-	1	0,21,000
	HARAT HEAVY ELECTRICALS LTD	Turbino Generatoré Auxiliados		2019-20		99,50,800					49,042
	BANCHIMACHINE TOOLS CORPORATION	Gool Handling - Turnkey		2019-20		19,33,848			_		PP.50.000
313 18	AS JOSTS ENGINEERING COMPANY LTD	CS/MBOA - II		2019-20		73,56,575		-			19,33,848
316 g	HINDALIA INDUSTRIAL PRODUCTS LTD	CSVMBOA - I	Claimed	2019.20		67.225					73,56,575
	OTE & COTS	CS/MBOA - II		2019-20		54.752					67,225
318 0	ENUS HEAVY DUTY PRIVATE LIMITED	CS/MBOA - II		2018-20	3 5 5 5	1.46.200					54.762
319 B	LUBY INTERNATIONAL INDIA	CS/MBQA-1	Claimed	2019-20							1,48,200
320 IT	HERMO FISHER SCIENTIFIC STEVEN	CS/MEIOA . II	Claimed	2019-20		19,000					19.000
321 A	SSOCIATED INDUSTRIES & TRADING	CS/MBOA - II	Claimed	2019-20		44.74,560					44,74,560
322 3	DST'S ENGINEERING COMPANY LIMITED	GS/MBOA - II	Claimer	2019-20		23.28.513					
223 V	AZERTECH INFORMATICS PUT LYD	CS/MBOA - II		2019-20		20,000					23,29,513
524 M	IRAJ ELECTRICAL & MECHANICAL CO.			2019-20		1,82,667					20,000
325 Q	UALITY MACHINE TOOLS CORPN.	CS/MBDA - N		2019-20		10,30,893					1,82,667
326 C	ALCUTTA ELECTRIC MOTOR REMINDING	CS/MBQA - I	The second secon	2019-20		5.64,008					10,30,893
327 A	BB India Las	Coal Handling - Yurnkey		2019-20		4.67.280					5,04,000
	HARAT BULEE LIMITED	CS/MIIQA - II		2020-21		3,75,800					4.87.280
329 Ju	MATADI MACHINESY PVT LTD	MBOA - II	0.0000000000000000000000000000000000000	2020-21							3,75,000
330 Rs	HARAT HEAVY ELECTRICALS LTD	Coal Handling - Turnkey		2020-21							
111 9	HARAT HEAVY ELECTRICALS LTD	CS/MBOA - II	F. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10								
132 76	DIDLEY WATER OF THE CALLED TO	CS/MBOA II	Control of the contro	2020-21							
100	RIPLEX WATER ENGINEERING PVT LTD MICHARI INDUSTRIAL TRADERS	C5/MBGA - II		2020-21							
100	SMUHARI RUUS IRIAL TRADERS	CS/MBOA - II		2020-21					_		
	MEGA CONSTRUCTION EQUIPMENT	C6/MB0A+#		920-21					-		
30 60	PUED ENGINEERING SERVICES	CS/MEOA - II		020-21					_		
37 E	LLENNUM GLOBAL	CB/MBOA - II		020-21					-		
manuscript State	ECTRO PLASMA EQUIPMENT PVT LTD	CS/MBOA - II		020-21					-		
10 100-00-00	PLID	Contitionaling - Turnicy		020-21							
154	CORTS LIMITED	CS/MBOA-1		020-21			-				
60 SH	REE RADHEY KRISHNA ENTERPRISES	CS/MBOA - a	Claimed 2	020-21				_			
41 EM	MASON COMPUTERS	CS/MBOA - II	Claimed 2	020.21					65 5-53		
42 DA	ADONG DONGFANG MEASUREMENT &	Coal Handing - Turnian	Diamed 2	020-21							
4.0 C8	SELECTRICATO			920-21							
44 SIE	MENS LTD	Ash Water Recognission System		020-21	-						
		AUTOMATIC GENERATION CONTROL	4.7	020-21							

Vitendar

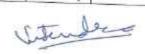


Name of the Pesiti	ioner					Statemen	t of Liabilit	v Flow			
Name of the Gene	ruting Station			NTPC Ltd.		hitelinosay.co		1100			
Date of Station Co or Financial Year	OD			Barb Super The	rmal Power Station :	Stane II			The state of	PART-	1
or Penamenti Yun				98.03,2016	1	Stage 11				FORM-	
L No.	Party	Asset/Wurk	Carried /Allowed/Disallowed/	Year of actual	Undischarged National	(liability in additional		Discharge dur	1501451301		
-			Not daimed	capitalisation	un \$1.04,2018	regitalization for 2019. 20	Contractors ERV	2015	100 100 1	Total discharge	Undischarged Rabili 88 on 81.03.2019
		Total Liability claimed / allowed Items (A)			537.11.63			-by payment	-by reserval		34,776,00
		Total Liability Disallowed / Not Claimed Berns (B)			5,37,41,95,893	3,97,37,836	16,19,50,797	1,40,26,14,675	7,39,29,448	1,47,65,44,123	4.00 01 10 10
_		Total Liability (A+B)								111111111111111111111111111111111111111	4,09,93,40,40
		37 (37.0)	-	il and in the second	5,37,41,95,693	1,97,37,836	16,19,50,797	1,40,26,14,673			
							CARREST OF 1 A 1	3,49,20,14,673	7.39,29,448	1,47,65,44,123	4,09,93,40,46





Name (of the Petitioner										
	of the Generating Station										
Date of	Station COD			NTPC Ltd.							
	ancial Year			Barb Super The	n			_			PA
	- Carlotte			08.63.2016							FOR
									-		1,300
											Amount in
				_						\$	
51. Nu.	Party	Asset/Work									
		ASSET WOLK	Chimesi	SC		Linbility in additional			_	_	
			/Allowed/Distlowed	Year of actual capitalisation	Undischarged Babilities	capitalisation by 2020-	Programme and the second	Discharge du	ring the year		
			Not claimed	capitaitsation	on 01,04,2020	21	Contractors ERV	1222	E 00 E		Undischunged Salet
						10715		202	231	7.538000P.	65 on
() For	assets eligible for Normal RoE							-by payment	-Byreversal	Total discharge	\$1.01.202D
	The state of the s			-					- 14 LEXILITY		
								-			
1	NACCLTD	SITE LEVELLING PLANT									***
2	MUNESHAVAR NAVIN CONSTRUCTION		Caimed	2015-16							
- A - 1	HART CONSTRUCTION & ARROST TWO DOORS	SITE LEVELLING-PLANT Assessed Ropus	Clamed	2015-16	-						
	RANJAN KUMAR	Aggreech Roads	Claimed	2015-16	20.000					-	
5	VINAYAKA CONSTRUCTION	Drains	Claimed	2019-16	53.058					-	
D	VINAYAKA CONSTRUCTION	Hillpids	Chimod	2015-16	27,841 4,41,665						53)
7 9	PREM KLIMAR	Boundary Wall	Claimed	2015-16	5,11,005			2,20,832		7.70 444	27,1
8	SHIVA ENGINEERIVG CO	Fancing	Claimed	2015-16	81,000					2,20,632	2,20,5
9	S & A CONSTRUCTION	Austury Buildings	Clamed	2015-16	81,000						-
10 5	RAM NIWAS SINGH	Austery Buildings	Claimed	2015-16				440			91,0
	RVK CONSTRUCTION	Construction Power Supply	Claiment	2015-16							
-	ANAYAKA CONSTRUCTION	Other Enation Work	Claimed	2015-16				-			-
-	NAND LALSINGH	Other Enabling Week		2015-16				-	7.6		
	ANL PRATAP SINGH	Other Enabling Work	Clained	2015-16	2,82,481		_				
16 6	GAOUE CONSTRUCTION	Other Enabling Work	Clained	2015-16	24.805		-		- + 1		200
17 1	VARI CONSTRUCTION & ASSOCIATES	Other Enabling Work	Claimed	2015-16	- ALC: 00		_				2,82,4
	ALKISHUN SINGH IR ELECTRICALS	Other Enabling Work		2015-16	51,757				-		24,6
10 0	K ELECTRICALS	Other Enablins Werk		2515-16	0,638			- 97			51.7
10 9	HUBHAM CONSTRUCTION	Other Enabling Work		2015-16	5,000						
-	INGH BROTHERS BCC LTD	Roads Britges & Culverts		2015-16	4,100		-	-	-	91	8,6 S,0
-	K INDUSTRIES (UNIT OF COSMOS	External Power Buoply System		2015-10					- 1		8.10
23 8	URENDRA PRASAD	External Power Supply System		2015-16	22,61,654			-	-		-
14 5	UKHDAYAK CONSTRUCTION	External Power Supply System		2015-16				-			22,11,85
19 A	P BARIAR & SONS	Residential Buildes-Civil Work	W. C.	2015-16	46,800		-	-			-
0 K	ARANUFIED SMOU WARM	Residential Building-Civil Work		2015-16	-						46.89
F 10	WANVEER SINSH VADAV	Residential Building Civil Work	1 400 0 0000	2015-16	9.05,733			-	-	-	
8 VI	NAYAKA CONSTRUCTION	Residen Bidgintern Electrific		2015-16	1,75,485		1	-	-		9,05,72
9 P	RABHU NATH SINGH	Service Building-Che work		2015-16	14,000					- 2	1,79,48
() PL	INFET CONSTRUCTION	Service Building-Civil work	C 42 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2015-16					-		14.00
I R	D ENTERPRISES	Service Building-Civil work	The second secon	015-16	5,14,131					-	4.00
2 RF	TESLTO	Service fluiding-later Electrice		1015-16	5,744				-	-	5,14,13
	CHNO ELECTRICAENGI	RLY SIDING WORKS-RITES		015-16	47,332				-	+	5,74
4 PR	ABHLI NATH SINGH	Fool Storage tank Pipetine		015-16	14.04.89,821			120		-	47.33
VI	NAYAKA CONSTRUCTION			015-16						-	14,84,89,82
GA	NGOTRI ENTERPRISES LTD	Plonine	The state of the s	015-16	(manha)					-	
Hi8	RI CONSTRUCTION & ASSOCIATED	Planting	The state of the s	015-16	20,30,815						-
IKA	RIVVEER SINGH VADAV ENTERPOYEES	Parine	40.00	015-16	2,19,70,163					-	20,39,815
110	CHNO SERVICES ENGINEERING	Pipeline CALS area 5		015-16	50 000					-	2,19,70,160
DR	IPLEX WATER ENGINEERING PVT LTD	CW System Equipments	1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	015-16	22,78,654						50,000
		DM Woder- Tyrokey	Control of the Contro	015-16	-					-	22.76,654





Name o	of the Petitioner										
Name a	of the Generating Station			Territoria.							
Date of	Station COD			NTPC Let.							
For Fin	nncial Year			Burti Super The	7						PAI
				08.03.2010							FOR
	15.16										3316
											Amount in
										2	
St. No.	Party	Asset/Wark				0					
	0.000	330000000000000000000000000000000000000	Claimed	Year of actual	1030/6	Uability to additional			_	-	-
			/Allowed/Dowlewed	copientisation	Undischarged liabilities on 01.04.2020	cupitalisation for 2020.	Water Co. Co.	Discharge du	ring the year		
_			Not darned	- Coloniana annua	DH 01/04.2120	21	Contractors EBV	10000			Undishinged liabil
41	MANAAX GORBHA Co. Ko.							2020	-21	500000000	46-00
44	HINDUSTAN COMMERCE & INCLINITION	Fire Detection & Protection Systems Turns	Claimed	and to				-by payment	-by reversal	Total discharge	31.03.2020
23 1	TECHNO SERVICES ENGINEERING	Fire Detection & Protection Section, Tuests	Chamed	2015-16				- Inches	-by revenue		
44	NUMSTRIAL BALES CORPORATION	11 KV & 3.5 KV Swichgear	Clasmed	2015-18	- 1			-			
7/	SHARAT HEAVY ELECTRICALS ETC	11 KV & 3.3 KV Swittgear	Chimed	2015-18				-	1	-	
40	WPROLTO	400/132 KV Switch yest Package	Channel	2015-16				-			
47	JAY MATA DI FLECTRICALS	Meteophing	Cimmed	2015-16	1,44,77,468						
48	SRI AVANTIKA CONTRACTORS ALL TO	Networking	Claimed	2015-16			1				1,44,77,4
47	CONCAST STEEL & DOVAGE LTD.	Ete Cleatance & Laveling	Claimed	2015-15					-		
30 1	SHANAN JAV KUMOD	Turng erection inciding wooderworks	Charmed	2015-16	20,56,383					-	
21 4	VANJAN KUMAR	Temp, grootion inclding woodenworks	Claimed	2015-16					-		20,55,3
34 1	MIQUE ENTPRPRISES	Tomp, erection including, woodprowerks	Claimed	2015-18	5,000					-	77777
23 6	HANDRA BROTHERS	Torrespond of the Community of the Commu	Camed	2015-16	45,775					-	5,0
54 k	ARNVEER SINCH YADAV ENTERPRISES	Construction Power Supply	Claimed	2015-16	9,815				-	-	46.7
27 8	ADHH LAXW ENTERPRISES	Construction Power Supply Other Enabring Work	Clerned	2015-16	2000						9.0
	AND LAL SINGH	Otror Enasing Work	Claimed	2015-18	61,247			61,247	-	-	
	uventin Engineers PVI Let	Other Enabling Work	Charmed	2015-16				51,541	-	61,247	
100	AVAYUGA ENGINEERING CO LTO	Main Plant Soldman		2015-16	46.924				-	-	
100	AVAYUGA ENGINEERING COLTO	Structural Steel Works		2015-16	79,750 2,14,57,403					-	
	AA JIYA ENTERPRISES	Rosets & Culverty	Claimed	2015-16	7,33,19,371			11,31,343		1400000	79.75
62 8	ammon India Lat	Chimney - Carl	Claimed	2015-16	17,235			1,04,915		11,31,343	2,03,26,06
61 pe	HARAT HEAVY ELECTRICALS LTD	Steam Generalor	Clained	2015-16	17,835					1,54,815	7,31,61,45
	DWERTECH CORPORATION	Steam Generator	Cigmed	2015-16	1,71,03,06,538						17,23
5 R	RVOS ENERGY INDIA PRIVATE LIMITED	Steam Generator	Claimed	2015-16	25.289		92,21,034	29,22,61,146	2.2	26,22,61,146	
100	CONSTRUCTION	Steam Generator	Claimed	2015-18	60,249						1,45,72,46,42
10.00	COLS & TOOLS (INDIA)	Steam Generator		2015-16							26.28
8 45	SECCIATED ROAD CARRIERS LTD	Steam Cenerator	Claimed	2015-18							-
-	RESIDEN VALVE INDIA PYT LTD	Steam Generator		2015-18					140		
C EA	STERN TRADE CENTRE	Slasm Secerator		2015-16					-		-
1 100	ARAT HEAVY ELECTRICALS ETD	Steam Generator		2015-16	27,941				-		
11/4	LAN CONSTRUCTION	Electrostatic Precipitation		2015-16	-			35,534		35,534	2,400
BH	ARAT HEAVY ELECTRICALS LTD	Electrostatic Precipitator		1015-16				-			2,40
SIF	MENS LTD	Tightime Sengratora Austrapes	100 C	1015-18	5,38,500						
VIS	SION ALITOMATION PVT LTD	Turaino Generatora Austinnes	400	015-16	1,14,05.92,710		2,05,68,750	5,78,000		5,38,500	1000
CR	ANE PROCESS FLOW TECHNOLOGIES	Turbine Generators Australias	all the second s	015-16	37,407		8,00,00,739			E	1,16,91,01,460
15	CHINICAL TOOLS SALES AGRINGIES	Turtems Generators Australies		015-16							37,407
EN	AY CONTROLS INDUS PVT LTD	Turbine Generators Auxiliaries	47.00	015-16	10,809				-		37,738
ASS	SOCIATED ROAD CARRIERS I YO	Turbine Generators Australia	4 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	915-16	1001000			-	-	-	10,839
AS	ECH MARKETING PUT LTD	Turbine Generators Auritories		015-08	84,955			4			141650
TUS	RBO TECH POWER SERVICES	Turbine Generatora Austinies	- (6)	015-16	30,863			-			64,965
TU	SHACO PUMPS PVT, LTD	Turbine Generators Azertlaries	12000100	015-16 015-16							30,863
MiC	HELL BEARINGS (IN	Turteme Generators Appliprios	100	215-16	7,318			-	-		-
VO	TH TURBO PYT LTD	Turbine Generators Austignes	Control of the Contro					-			7.336
		Turbima Generatoră Auditoriea	- 20	15-16							2500

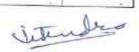




Same (of the Petitioner										1
Name o	of the Generating Station			Inches de la							1
Date of	Station COD			NTPC Ltd.							
or Fin	ancial Year			Bart Super The 08,93,2016					-		PAR
				90,03,2016							FORM
-											
	· · · · · · · · · · · · · · · · · · ·										Amount in
St. No.											
31. 140.	Party	Asset/Work									
			/Allowed/Doellowed	Your of actual	Undischarged Babilities	Liability to additional		2005-0000	1000		
			Not claimed	capitalisation	en 01.04.2020	capitalisation for 1020-	Contractors Env	Discharge dur	ing the year		
55	SATURDAY CLASS CO.					SI	7.11.2.11.11.11	2000	21		Undischarged Sabilit
	YOKOGAWA MOBILITO ABB India Limbaji	Turtime Geografics Australia							W	Total discharge	#5 on
87	MIL CONTROLS LTD	Control & Instrumentation	Chimed	2015-16				-by payment	-by revental	tom netrante	RL03,2020
88	ELECTROMEGUAGO	Control & Instrumentation	Claimed	2015-16	3.05.60.249			-	- 1		
	ELECTRO MECHNICO PROJECTS PVT LTD FORBES MARSHALL PVT LTD	Control & Instrumentation	Camed	2010-16	36,05,09,299		(4,43,405)	1,00,853		1.00	-
90	SMT EXPORTS	Control & instrumentation	Ciamed	2015.16		-		0.000		1,60.653	2,99,55,9
91	ASSOCIATED ROAD CARRIERS LTD	Control & Instrumentation	Clained	2015-16					100		-
92	OVERSEAS COMMUNICIAL CORPORATION	Control & fredrumentation	Claimed	2015-16							-
- A	POLYCAR WIRES PVT LTD	Coreral & Instrumentation	Claimed	2015-16						-	
94	TRIP LTD	Instrumentation Cable	Claimed	2015-16	17,264			4			-
95 /	AAKAR INFRA ENGINEERS PVT LTD	Coal Handling - Turnkey	Chinor	2015-16							-
70 1	INHUDDHA ROY	Coal Handling - Turriery	Chemed	2015-16	21,41,66,517						17.26
97 1	K CONSTRUCTION	Coal Handkin - Torrikey		2015-16	5,63,677			16,06,993	7,23,088	23,30,061	21,18,36,45
98 1	HE PRECISION PROCESSING YOURSELD	Soul Handling - Turnkey	144 CO	2015-16				-		-	
27 1 13	SUMPRIAL PLUG IN DEVICES (IN LTD.	Goal Handling - Turning	Marie Control	2015-16	23,062			-	1477		8,63,67
100	LECON ENGINEERING COLUTE	Cost Handling - Turnkey		2015-16 2015-16				-			20,083
101	LECTRO MECHANICO DO CIDADO COMO COMO COMO COMO COMO COMO COMO CO	God Handins - Tumkey	and the second second	2015-16	-			-			29,000
Sec. 19	BM MANUFACTI (DIMO IN 1911 FIN	Coal Handling - Turnkey Coal Handling - Turnkey	11 (60) 412 417 12	2015-16	-			-	-	740	
93 IN	K ELECTRICAL WOODE	Cost Hending - Turnley		2015-16							
05 p	C INDUSTRIAL PLANT SERVICES	Ash Handling-Turnery		2015-16	92,930						
	P INSTRUMENTS PVT LTD	Ash Handing-Turnkey		2015-16	0,500				-		92,990
07 6	DARSH FOWER CONSTRUCTION	Asi Honding-Turnkuy	Cterred	2015-16	6,04,08,312 38,984	5.21,668		31,78,185	45,11,015		6,500
	SSOCIATED ROAD CARRIERS LTD	Ash Handiling-Turnicay	Claimed	2015-16	38,984			0.7500,000	93,11,915	76,89,700	5,32,40,300
1100	HOLA RAM STEELS PYTLTO AQUE CONSTRUCTION	Ash rtanding-Turnkey	Clemed	2015-16						-	38,884
10 10	SKATI KARSHAK INDUSTRIES PVT LTD	Ash Hundling-Turnkey	Claimed	015-16				-		•	
I RE	SWELD AUTOMATION PVT LTD	JAth Hamting-Turnkey		015-16	27,000				-		-
* 1Bt	MALIR INFRACTION OF INFO NAMED AND THE	Ash Handling-Turnkey		915-16	2.1540				0.00	-	_
		Ash Handing-Turnley		015-16	17,746				-		27,000
2 310.0	CONSTRUCTION	Ash Handling-Turnbey	4177	015-18					- 2		75.51
WY	PILLTID	Ash Water Recipulation System		015-16	29,416						17,745
6 UN	ITECH MACHINES LTD	(Ash Water Recirculation System	1-1	015-16			-	-			29,416
[A48	EETA CONSTRUCTION	Ash Water Recirculation System	1100000	015-16				-	-		49,410
KA	RINVEER SINGH YADAY ENTERPRISES	Ash Water Recirculation System	The state of the s	275-16 115-16	2.79,12,573	11,73,258		28.24.20	-		
105/14	C DDDPMENTS	Ash Water Recirculation System		015-16	1			26,31,201		26,31,291	2.61,54,540
AK	CONSTRUCTION	Ash Water Recognistion System Ash Water Recognisation System	44.4	215-16	2,70,784			1	-		
BA	NKIM & COMPANY	Ash Water Recipitation System	Control of the Contro	115-16	45.00		35		-		2,70,764
	KAND ENGINEERS LTD	Ash Water Regigulation System		115-16	97,652				-		1
IMP	IL LTD	CW System Equipments	The state of the s	15-16	3,82,872				-	2.5	97,952
AGS	S VALVES PVT LTD	GW System Equipments	Clarged 20	15-16					-		3,92,872
ASS	OCIATED ROAD CARRIERS LTD	CW System-Contomorb		15-15	20.000						43
	MAHAVIR CONSTRUCTION ELECTRICALS	CW System Equipments	Clarged 20	15-16	30,890					-	
New	etectrecals anuna Construction Co Ltd	CW flystem-Equipments	Claimed 20	15-16	18,616						30,580
- Livery	Construction Co Ltd	CW & Mahassanter System Civil Work	Chimed 20	15-16	47,172					-	
		THE PART OF THE PARTY OF THE PA		15.16	45,172						18.615

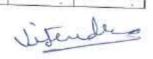
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Name o	of the Petitioner										
	of the Generating Station			NTPC Ltd.				7			
	Station COD			Barh Super Ther				-			PAR
or Fin	angial Year			08.03.2016				_			FORM
									_		
-											Amount in
SI, No.	Party	AmetWork	Claimed /Allower/Dawlewed/ Not claimed	Year of actual capitalisation	Underharged labilities on 01.04.2126	Listility in additional capital setton for 2020- 21	Contractors (WV	Discharge dar 2020	NOTE OF A COURT	Total discharge	Undischarged liability
179	Nagatiuse Construction Co. Ltd.	Makeup water system Clet Work						-by payment.	-try revense!		12.04.2029
130	ALI ENGINEERS & CONTRACTORS	Mahing water system-Civil Work	Clamed	2015-16	1,10,46,549						
131	ERA INFRA ENGINEERING LIMITED	Makeup water system-Call Work	Claimed	2015-16	11.715						1,10,46,9
132	JAI MAHAVIR CONSTRUCTION	Makeup weler system Call Work	Claimed	2015-16	4,41,000			1			11,71
133	TRIVENI ENGINEERING & INDUSTRIES	Water Pro-Treatment Plant	Claimed	2015-16	49,682		<u> </u>	82			4,41,00
134	CAPITAL CONTROLS INDIA (P) LTD	Water Fre-Treatment Plant	Chamed	2015-16	1111				-		49,68
	A K CONSTRUCTION	Water Pro-Treatment Pipet	Claimed	2015-16 2015-16	41,286						41.26
	BANKM & COMPANY	Water Pro-Treatment Pipet	Claimed	2015-16	5,467						5.46
	AJESTA CONSTRUCTION	Waster Pre-Treatment Plant		2015-16				2			0.40
138	MCNALLY BHARAT ENGG. COMPANY	Winter Pro-Treatment Plant		2015-16	4,069						4,06
-	SUJIT KUMAR SINGH	Vinter Pre-Treatment Plant		2015-16	4.03.85.395			1,72,756		1,72,756	4,02,13,03
141	TECHNO SERVICES ENGINEERING	Water Pre-Treatment Plent	The second second	2015-18	3,957				-	-	1,95
-	DRIPLEX WATER ENGINEERING PVT LTD	DM & Chemical trautment Plant	And the second s	2015-16				(2)	(F=200)	-	1,00
-	LINITECH MACHINES LTD	DM & Chamical treatment Plant		2015-16				12	2		
	OSA ENTERPRISES	DM & Chemical treatment Plant		2015-16							
145	PAHARPUR COCLING TOWERS LTD	Coclina Tower	ARCHYSTOLIS	2015-16	1,000			4.1		1	
	FORBES MARSHALL PVT LTD	Cooling Tower		2015-16	13,62,61,173						13,62,81,17
147	ASSOCIATED ROAD CARRIERS LTD	Couling Tower		2015-16				- 2			19,04,01,17
	SWAN ENVIRONMENTAL PVT LTD	Efficient Quality Management System		2015-10							
-	M.H.INDUSTRIES	Station Ploing	100000000000000000000000000000000000000	2013-16					-		
-	UNITECH MACHINES LTD	Status Piging		2015-16					-		
_	ASSOCIATED ROAD CARRIERS LTD	Station Piging		2015-16	2,13,96,974			67,28,302	35,07,233	1,02,35,535	1,11,01,43
	UNITECH MACHINES LTD	Fire Detection & Protection System-Tunik	The state of the s	2015-16	100000000000000000000000000000000000000				-	1,44,20,000	127,101,43
	NOHM BOSAILTO	Fire Detector & Protection Switem-Turnix	55.000	2015-16	2,13,55,647						2,13,55,64
	ABB India Ltd	Air Conditioning	- American State	2015-16	51,85,387		(1,25,407)			201	50,61,49
155	KIRLOSKAR CHILLERS PVT LTD	Air Conditioning	The state of the s	2015-16				417			37,01,00
122 1	C DOCTOR & COMPANY PVT LTD	Vestilation	The state of the s	2015-16	2000000						
	CAS ELECTRIC LTD	Generator Bus Duet & MV Bay Ducis	20/10/10/10	2015-16	53.39.772	60,000		45			53.99,777
mention and	KANCHAR ELECTRICALS LTD	LT Outdoor Transformers		2015-16							22.39,77.
The second second	BAC EQUIPMENTS	LT Outdoor Transformers		2015-16				+1			
Personal Contract of the Contr	MEGAWIN SWITCHGEAR PLIMITED	11 KV & 3.3 KV Swichgear		2015-16	17400			- 0	-		
-	HONEYWELL AUTOMATION INDIA LTD	11 KV 6 3.3 KV Swithgenr		0015-16	3,690						3.690
	SHARAT HEAVY ELECTRICALS LTD	11 KV & 3.3 KV Swichgeer	0.0000000000000000000000000000000000000	2015-16	-					+1	555
-	C&S ELECTRIC LTD	LT Swichgeor & LT Busduct	B 8 4 100 1 100 100 100 100 100 100 100 100	2015-16	-						
	LECTRO MECHNICO PROJECTS PVT LTD	LT Beechgear & LT Busduct		015-56	2.500			-			
Section 1	MASSITECH SWITCHGEARS PVT LTD	LT Swichpenr & LT Busduct		1919-18	5,500					2,51	5,500
	IEMENS LTD	Electrical East Supply 5 Erection		015-15	9,44,000			9,44,000		9,44,600	9,000
-	FOL POWER SYSTEMS LTD	Electrical Copt Supply & Electron	The state of the s	015-16	3,49,23,921			3,28,971	18,38,212	21,67,183	3,27,56,738
66	YOKOGAWA INDIA LTD	Electrical Egpt Supply & Erection	7777777	015-16 015-16	1,35,550			1,18,000		1,18,000	57,850
	HEL DELH	Generator Transformer	The state of the s	015-16	7.			- 083680		71.57.550	107,000
	SIEMENS LTO	400/132 KV Switch yard Package			-				-	- 3	
20 9	CHNEIDER ELECTRIC INDIA PVT LTD	Networking		015-16	-			- 63		- 1	-
71 7	ESTING INSTRUMENTS MANUFACTURING	M90A-1		015-16	12.15.021			4.0			42.47.70
72. 4	BRO TECHNOLOGIES PVT LTD	MBOA-1	(Unitable)	015-16	9.654						12,15,821





Name o	f the Petitioner										
	f the Generating Station			NTPC Ltd.							
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	ancial Year			08.03.2016							PAR
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St. No.	Party	Asset/Work									
- 14	1 SEC.		(Allowed/Osefowed)	Year of actual	Unilar targed liabilities	Unbility in additional		Discharge du	No. of the last of		
		1	Not deimed	capitalisation	on £1.04.2020	repitalization for 2020-	Contractors Effy	Gustarge de	self cape Name.		MS288405-1110
				, soether and some series	The second common for	21		3030	21		Undischarged habits as on
.173	ADOR WELDING LTD	MBOAsil			V				-	Total discharge	#1.09,2020
174	Armicameted Biotech	MBOA - I	Glaimed	2015-16	60,000			-by payment	-by reversal		
175	ANAMICA ENGINEERING	MBOA - I	Claimed	2015-16	14.500					27	50,0
176	APJ ENTERPRISES	MBOA-1	Claimed	2015-16	80.430				E0		14,5
177	ASTRA COMMUNICATION	MBOA - I	Cigimne	2015-16	1,08,000						60,4
178	CINESONIC AUDIO VISUAL PVT LTD	MBOA-1	Claimed	2015-16	23,010			-			1.08.0
179	ELECTRO THERAPY	MBQA-1	Claimed	2015-16	46,780				-		23.9
110	ENDEE ENGINEERS PYT LTD	MUGA - I	Claimed	2015-10	1,30,000				100		463
191 (S S COMPUTEL PVT (TD	MBOA - I	Ctained	2015-16	19,410			1,38,000		1,30,000	-
182 (Godrej & Boyce Mig Co Ltd	MBOA -	Charged	2015-16	1907.00.			-	-		19,4
153	odia Mirketing	MBOA-I	Chimed	2015-15	70,389						14,4
184 1	NEDDARE	MBOA - I		2015-18	33,609			- 4		72-72-73	78.3
185	MACNELL ENGINEERING LTD	MBOA-I	Claimed	2015-16	24,400			- 3	-		33,6
186 1	MECORD SYSTEMS & SERVICES BUT LTD	MBOA-1		2015-16	82,921					+ -	24,80
187 19	PAN COMMUNICATIONS PVT LTD	MBDA-1	Claimed	2015-te	29,000						82.90
188 g	REPROGRAPHICS INDIA	MBCA-1		2015-16	26,500			-			29.00
189 8	ENTEX INDUSTRIES LTD	MBOA - I	Clamed	2915-16	37,000			- 4	12		36.50
190	SINTEX INDUSTRIES LTD	MBOA - I		2015-16	18,000			-			37,00
191 8	SUMESH PETROLEUM	MBOA - I		2015-16	37,821			-		-	16,00
	SUNFISE INDIA	NBOA-1		2015-10	50,000			-	-		37,62
193 L	D MARKETING PVT LTD	MBOA-1		2015-15					- 1		10,00
	NELD EXCEL INDIA LTD	MBQA-1		2015-16				12		- +	-
190 F	EREX EQUIPMENT PRIVATE LIMITED	MBGA - II		2015-16	23,550			-	-	- 4	
	ASTRACK ENTERPRISES	MBDA-#		2015-18	56,500			+	-		23.55
CONTRACT OF	WART TECHNOLOGIES PVT LTD	MBOA - #		2015-16	1,02,800				-		58,50
	kuthei & Boyon Mig Co Ltd	MBOA - II		2015-18						-	1,62,80
100 7	CHEME GASES & CHEMICALS FVT LTD	MBOA - II		2015-16	+				-	-	
01 11	SHA INSTRUMENTSACHEMICALS	MBCA - II	38 73 9	2015-16					-	-	
02 5	ary System & Commun	MBOA - II		2015-16	39,000					-	- 4
01 0	CS COMPUTERS PVT LTD	MBOA - I		2015-16	21,450				-	-	39,00
04 D	\$H RECHERON ELECTRODES PVT LTD	MBOA-II	The second second	2015-16 2015-16	5,501						21,450
	HARMA FURNITURE HOUSE	MBCA-II	The second second	2015-16 2015-16						-	500
06 PE	RANCIS IN EIN & CO PVT LTD	MBOA-II	1 200 000 000	015-16	-					-	
97 M	DTS INDIA PVT LTD	MBCA I	The second secon	015-56							-
08 FL	EURDELS TECHNOLOGIES PVT LTD	MBOA - II		013-18					-		
AN AN	NE COMPLITER SOLUTIONS PART 1 TO	MBOA - II	A STATE OF THE STA	015-18				200	- 2		-
0 M	AVIN ACHESIVES PVT LTD	MBOA - II	Take Control of the C	015-16			-23-523	- 2	271		
III AE	MR. LTD	MBOA - II		D15-16	-						-
2 IN:	SPIRA ENTEROPISE INDIA DICE LTD.	MBOA - Ji		915-18				+ 1			-
1 30	ISTS ENGINEFRING	MBOA - #	The state of the s	015-16	1			+ 1			-
4 Da	UH SECHERON MOURTBURE	MBOA - M	27777777	015-16	45 400			÷.			-
5 111	LTD	MBQA -II		915-16	45,100			25,000		25,000	705.400
n GA	NESH FABRICATION WORKS	MBOA - II		015-10	-					25,000	20,100
	The state of the s	MBDA - I		015-96						201	

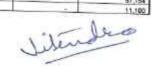


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	of the Generating Station			NTPC Ltd.							
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	ancial Vear			88,03,2916		_					FOR
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St. Na.	Party	Asset/Work	Claimed /Allowes/Citralicwod/ Not claimed	Year of actual enpiralisation	Underlanged Sabilities ps 01.04.2520	Liability is and Goral rapital inciden for 2020- 21	Contractors SRV		uring the year		Undischarged (while
217	ANAMICA ENGINEERING	MBOA-II						by psyment	-by revenual	Total discharge	\$1,01,2020
218		MBOA - #	Claimed	2015.16	2.775				77770		
-	BLUE STAR LTD	MBOA - II	Citimed	2015-16				-	+	4	2.7
	DAS ELECTRONIKS	MBOA - II	Claimed	2015-16	- 4				-	-	7.55
	DETECH DEVICES PVT LTD Euroka Forbas Lai	MBOA - II	Claimed	2015-16							-
223	CALANY TO COMPANY	MBGA - II	Claimed	2015-16	32,500					-	-
	GALAXY TELECOMMUNICATION Graphine Computers (P) (nd	M9QA - I	Claimed	2015-16							32,5
221	HYDROTEC SYSTEMS	MBOA II	Claimed	2015-16 2015-16	13,989					-	
226	JAIN TRADING CO	MBOA - I	Cames	2015-16							13,9
227	MACNELL ENGINEERING LTD	MBOA - II		2015-16	3,000						100
228	MAC-WOODINDIA)	MBGA - II		2015-16	26,000						3,0
220	MAHINDRA STILLER AUTO TRIACKS LTD	MBCA - II	Claimed	2015-16	1,29,400				1		79,5
230	METALLIC SYSTEMS A INTERIORS	MBQA-E	Chimed	2015-16	18,000						1,29,4
231	NEVCO ENGINEERS PVT LTD	MBOA - 1	Clamed	2015-18	35,695						18 dr
232	R K SURGICAL ENTURPRISES	MBGA - II		2015-18	3,268						35 es
233	SARTECHINTL	MHQA - II	0.0000000000000000000000000000000000000	2015-18				4	4.7		3.26
234	SIGMA SEARCHLIGHTS LTD	MBQA - II	The second secon	2015-16							-
235	SPHERE COM SERVICES PVT LTD	MBQA - I		2015-16	3,20,000			3,20,000		3,20,000	-
236	SWASTIK AGRO AGENCY	MBQA - I		2015-15	76,122			1000		2,44,000	70.47
237	SYNDICATE INDUSTRIAL SERVICES	MBOA - J		2015-16	17,063			-	25.7		76,12
238	THE PIONIER SURGICAL WORKS	MBOA - II		2015-16	10,000			2			17,06
239	SUMANT KUMAR SINGH	MBOA - II		2015-16				4	-		19,95
140 14	MAYOHAR PRASAD CONSTRUCTION	Other Enabling Work		2015-10	74.317						
241 4	HARAT HEAVY ELECTRICALS	Other Engblind Work		2013-16	12,938			-	23.11	-	74,31
342 €	SHARAT HEAVY ELECTRICALS LTD	Steam Generalce		2015-16	14,930			411			12.93
243 4	ANDERSON GREENWOOD CROSBY BANKAR	Steam Generator		2015-16	4,30,272				- 45		16,23
M4 T	hermocare Rockwool India	Signin Germatur	The second secon	2015-16	4,30,272				4,30,272	4,30,272	
245 8	SUMESH PETROLEUM	Electrostatic Preciotator		2015-16				-	- 1		
	NSTRUMENTATION LTD	Electrostatic Precipitator		2015-16		-					
47 8	ADEHI ENTERPRISES	Turbine Generatorik Australia		015-16	1,25,606			-			
	NGINEEAS & TRADERS	Turbine Generalist Auditates		2015-16	63,203			-			1.25.60
40 A	MAR CONVEYOR ROLLER INDUSTRIES	Turbine Generalizé Auditurios		075-16	65,203	-		- 1	- 3	- 2	63.20
20 N	EWALL INDUSTRIES	Goal Handing - Turnsey	Cloimed 2	015-16	10,465				-		WE.ES
51 8	RS INTERNATIONAL	Cost Handling - Turnkey	Claimed 2	015-18	1,55,853				-		10,46
52 P	RICONSTRUCTION	Coal Handing - Tunkkey	Claimed 2	015-16	90,058				-		1,55,85
53 (6)	LUIDOMAT LTD	Coat Handing - Tumkey	Claimed 2	015-16	70,000		_		4		90,66
54 R	ANCHI MACHINE TOOLS CORRORS TION	Saal Handling - Turnkay	Claimed 2	015-16				-	- 40		30,760
25 B	EGENT TRACING COMPANY	Coal Handing - Turnkey		015-16							
56: III	TA NOIA LINITED	Cost Handling - Turnkey		015-16			_				
57 (4)	UNEET CONSTRUCTION	Coul Handing - Turnkey	Cleaned 2	015-10	1,53,899						
58 pg	USPANJALI CONSTRUCTION	Water Pre-Treatment Plant		015-16	TOTAL ST.						1,13,890
39 PK	CLLTD	Elegitical Prof Supply & Erection	Claimed 2	015-16	1,839			-	-		1,84,949
50 TO	OSHNIWAL ENTERPRISES	Generator Transformer 400/132 KV Swech yard Packpor	Claimed	015-16	1000						1.939
	The state of the s	1999 Lac by Ewitch yard Parkings		015-16	38,344					43	1.00





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L No.	Party	Asset/Work	Chined	Description of the Control of the Co	-	Description of					
	1 227	2.545	/Allowed/Dishlipmed	Year of actual	Undischarged flabilities	Liability in additional		Discharge dur	large during the year		
_			Not claimed	capitalization	on 01.04.2025	capitalization for 2020-	Contractors ERV	-5			Undischarged liabili
-						21		3020	21		25 on
261	INVAS TECHNOLOGIES PVT LTD	MBOA - II						100000000000000000000000000000000000000		Total discharge	\$1.01.2020
262	TEXTILE MACHINERY MFG.CO	MBOA - II	Claimed	2015-16	72,485			-try payment	-try ne weesail	CONTRACTOR CONTRACTOR	
265	ESK INDIA COMMERCE AND TRADE	MBOA - II	Glaimed	2015-16	72,700			-			72,4
	COTS & COTE	MBOA - I	Claimed	2015-16	111.782			-	1.5		1.50
	MILLENNUM IMPEX PVT LTD	Turbinus Generaturs Augiliarius	Claimed	2015-16	1,21,051		_	-			1.113
	Asker Engineers & Contractors	Coal Handling - Turnery	Clamed	2015-16	82,058			1,21,851		1,21,851	
-	J J ENGINEERING PVT LTD	MBOA - II	Claimed	2015-16	10,90,739			-	-	E31	62.0
268 269	INVENTA CLEANTEC PVT LTD	MDOA - I	Clatrood	2015-16	92,400			-	1.4		10,90,7
-	TRITORIC EQUIPMENTS PVT LTD	M90A - I	Claimed	2015-15	3,050			4.7			92,4
	U D MARKETING PVT LTD	MBOA - II	Clamed	2015-15	90,754			200	-	200	2.8
194	Brooks Instrument India Pet Ltd	MBOA - II	Claimed	2015-16					-	16.7	90,7
271	HARISON PUMPS PVT LTD	MBCA - II	Claimed	2015-16	17,576			-			11177
10000	RUGSELL TECHNOLOGIES INDIA	MBOA-1	Claimed	2015-16	7,564				_		17,5
-	DARLING PUMPS PVT_LTD. DCIPS	Ash Handing Turnkey	Claimed	2015-16	8,968				-		7,50
through the base		Ash Hending-Turnkey	Claimed	2015-18	5,18,806			5.18,209			6.91
	SURAT GOODS TRANSPORT BY LTD	Turbina Generatora Assolucios.	Glaimed	2015-16	1,37,970			2,10,205	-	5,18,806	
278	BRAY CONTROLS INDIA FVT LTD	Ash Handling-Turnkey	Claimed	2015-16	11,400				-	-	1,37,9
75 1	RANCHI MACHINE TOOLS CORPORATION MANOHAR PRASAD CONSTRUCTION	Turbing Concestors Auctiones	Claimed	2015-16	43,938					-	11.40
	HYDROGEN AUXILIARIES PVT LTD	CW & Makeupwater System-Civil Work		2015-16	27,314					-	43,80
281	JESON & Triubro Ltd	Turbine Generators Austinates	Clumed	2015-16	48,064				-	-	27,31
	CONTORING TECHNOLOGIES	LT Seculpeur & LT Busduct	Claimed	2013-16	12,650			- 2	-	-	48,05
83	IOSTS ENGINEERING	MBCA-1		2015-16							12,65
84 6	CONTROL COMPONENT INDIA PVT LTO	Electrical East Supply & Erection	Clamed	2015-16	2,00,000						
871 PE	SOSCH REXPOTH INDIA LTD	Control & Instrumentation	Claimed	2015-16	1,52,000			-		-	2.00.00
99 17	AY HIND CONSTRUCTION	Coal Handing - Turntey	Claimed	2015-16							1,52,00
87 8	SAPS POWER EQUIPMENTS PVT LTD	Efectrical Egyf Supply & Efection	Chines	2015-18	E-97 V62						-
88 1	NIQUE FOWER TECH ENGINEERING	Cost Herding - Turnkey	Claimed	2015-16	6,71,559						7
20 8	SALVIKA INDUSTRIAL EQUIPMENTS	Main Plant Buildings	Camed	2015-16	0.00,000				231	-	8,71,55
W E	AST INDIA TRANSPORT AGENCY	MBOA - II	Cjaimid	2015-16	3,13,335						****
91 H	MAYWARD TYLER LIMITED	Ash Handing Turkey		2015-16	2.64.384				27		3,13,33
92 14	AXM HYDRAULICS PVT LTD	Steam Generalor Steam Generator		2015-16	4,27,11,704						2,64,38
72 10	SEMIL CONTROLS LIMITED	Steam Generality		2015-16	49,500			3,50,67,679	76.23.839	4.27,11,518	- 6/85.35 10
MA	RIHANT INTERNATIONAL	Steam Generator		2015-16	1,90,503			22			49.50
5 M	MANOHAR PRAGAD CONSTRUCTION	Fire Detection & Protection Bystem Turns	Claimed	2015-16	73.897			-	4		1,90,50
G A	GTION CONSTRUCTION FOLLOWING	MBOA - 8		2015-10	3,600			-		- 5	73,59
1 70	&R	Free Hold Land		2015-16	*300			-	= =		3,50
8 14	IGHGROUND ENERGY PVT LTD	Roottop Solar Photovolters system	Clamed	2015-16	254757996			7			3,000
9 0	HANDAN AUTO MOBILES	MBCA - II		2918-20	1,95,000			1,68,74,646		1,68,74,646	23,78,83,26
	TLAS COPCO INDIA LTD	Turbine Generators Austrenes	Glaimeri	2019-20	2.82.000					-	1,93,00
MI	LLENNUM IMPEX PVT LTD		Claimed	011-20	4,04,161			2.82.000		2.82,000	1466,665
2 Er	TA INDIA LIMITED	Turtume Generators Austinnes	Chaimed	2010-20	57,154			4.00.796		4,00,795	3,365
	PER CONTROL OF THE CO	CW System Equipments		1019-25	11,100					37.751	57,15



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	nancial Year			08.03.2016							FOR
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SI. No.	Party	Asset/Work	(Allowed/Finaltowed/ Ret dained	Year of actual capitulisation	Undbokenged Inhilities on 01.04.2000	tish tity in additional capital auton for 2923. 21	Contractors INV		oring the year		Undischarged liabs
303	BHARAT HEAVY ELECTRICALS LTD	Contral & Instrumentation						-by payment.	-by reversal	Total discharge	31.03.2020
304	TIMBEN INDIA LTD	Stoam Generator	Claymed	2019-70	3,71,079			-	- of Leveline		
305	GE POWER INDIA LIMITED	Steam Generally	Claimed	2019-20	78,818			75.544	_		3,73,
306	CONTROL COMPONENT INDIA PVT LTD	Control & Instrumentation	Charmen	2019-20	4,42,440			78,818		78,518	0.00
	LEYBOLD INDIA PAT LTD	Turbing Gonumbris Audiores	Claimed	2019-20	2,97,588	- Vi				-	4.42
	INDUSTRIAL TRADE LINKS	Turbime Generaliza Application	Claimed	2018-20	14,41,494			14,41,494		-	2,67
-	TECHNO SERVICES ENGINEERING	Vision Pre-Treatment Plant		2019-20	2,26,175			1,00,750		14,41,494	
310	SHARAT HEAVY ELECTRICALS LTD	CW System-Equipments		2010-20	1.04,899			1,04 706		1,03,750	1,22
111	WPILLTD	Water Pre-Treatment Plant		2019-20	5.21,000			1,54,895		1,04,896	1000
12	SE OIL & GAS INDIA PRIVATE LIMITED	Reservice Generalis		2019-20	49,042			40,042			8,21
IJ	BHARAT HEAVY ELECTRICALS LTD	Turbime Generator® Auxiliatios	Gainer	2019-20	59,50,000			49,042	The second second	49,042	
4	RANCHI MACHINE TOOLS CORPORATION	Coel Harding - Turning		2019-20	19,33,848			19,33,848	99,50,000	99,50,000	
15.	MS JOST'S ENGINEERING COMPANY LYD.	CS/MBDA+II		2019-20	73,56,575					19,33,848	
10	CHINDALIA INDUSTRIAL PRODUCTS LTD	CS/MBOA - I		2019-20	67,225			73,36,575		73,56,575	
4.0	COTS & COTS	CS/MBCA - II	Clinimed	2019-20	54,750			P. W.			67.
38	GENERS HEAVY DUTY PRIVATE LIMITED	CS/MBOA - II		2019-20	1,46,200			54,752		04,752	
19	RUBY INTERNATIONAL INDIA	CS/MBCA - II		2019-20	19,000						1,462
20	THERMO FISHER SCIENTIFIC PTE LTD	CS/MBOA - I		2019-20	44,74,560			1100000		- 1	19,0
41 1	ASSOCIATED INDUSTRIES & TRACING	CS/M90A - II		2019-20	23,29,513			44,74,500		44,74,550	
62	JOST'S ENGINEERING COMPANY LIMITED	C8/MBOA II		2019-20	20,000						23,29,5
43	WIZERTECH INFORMATICS PVT LTD	GB/MBOA - II	Claimed	2019-20	1.82.867			112222			20/
24	MRAJELECTRICAL & MECHANICAL CO	CS/MBGA+II		2019-20	10,30,893			1,82,667		1,82,667	
25	QUALITY MACHINE TOOLS CORPN.	GS/MBOA - II		2019-20	5,04,008			10,36,890		10,39,893	
20	CALCUTTA FLECTRIC MOTOR REWINDING		Charned	2019-20	4,67,280			5,04,008		6,04,008	
7. 1	ARB india Ltd.	God Hending - Turnkey GS/MBOA - #	Claimed	2019-20	3,75,606			3,88,085		3,58,980	79.3
8 1	BHARAT BULEE LIMITED	MBOA - E	Claimed	2020-21		5,92,029		2 29 788		2,29,788	1,45,
9	SAMATADI MACHINERY PVT LTD		Claimed	2020-21		7,34,857					8,92,0
0. 6	BHARAT HEAVY ELECTRICALS LTD	Cost Handling - Turnkey CS/MBOA - II	Claimed	2020-21		11,20,410					7,347
1 1	SHARAT HEAVY ELECTRICALS LTD	CS/M9OA - I		X020-21		23.08.788					11,20,4
3 1	DRIPLEX WATER ENGINEERING PVT LTD	CS/MBOA - I		020-21		1,90,207					23,08,7
2 1	VAMIDHARI INDUSTRIAL TRADERS		Claimed	020-21							1,90,2
4	OMEGA CONSTRUCTION EQUIPMENT	CS/MBOA - II	Claimed 2	020-21		90,000 2,52,343					90,0
5 1	APPLIED ENGINEERING SERVICES	The state of the s	Claimed 2	1020-21							2,52.3
6 h	MILLENNUM GLOBAL	CS/MBCA - II		020-21		1,06,550				+ .	1,05.5
	LECTRO PLASMA EQUIPMENT PVT LTD	GS/MBQA - II		020-21		1,59,160					1,59.1
8 7	RELID	CS/MBCA - I		020-21		24.63,179				- 12	24,63,1
27 3	SCORTS LIMITED	Coal Hamiling - Turnkey		020-21		3,68,160				- 2	3,68,1
0 3	HREE RADILEY KRISHINA ENTERPRISES	CS/MBOA - II		020-21		60,02,660					60,02,66
1 6	MARSON COMPUTERS	CS(MBOA+II		020-21		1.66,970					
	ANDONG CONGRANO MEASUREMENT &	CS/ M30A - II		020-21		38,136					1,66,9
3 6	AS FLECTRIC LTD	Coal Handling - Turreley	7,50,75,75,75	020-21		2,93,033					36,3
-	IEMENS LTD	Anh Water Recirculation System				79,10,747					2,93,03
1	CARLO LID	AUTOMATIC GENERATION CONTROL		020-21	-	34.00,267				-	79,10,7
_			Separate N	lance!		4,71,949					34,00,2

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- same or the Fi	titioner										
Name of the G	enerating Station			NTPC Ltd.							
Date of Station				Bark Super The	ri						PART
For Financial	(ear			08.03.2016							FORM-
											Amount in R
acres .		98074CF4-7									
St. No.	Party	Asset/Work	Claimed /Allowed/Disployed/ Not claimed	Year of netual constalisation	Constitution of the second state of	les Dability in additional capital catter for 2025-	Contractors ERV	Discharge dan		Total discharge	Undischarged liabilities as on
_		Total Liebitty claimed / allowed flams (A)						by payment	-by reverse	rotal decinings	31.03.3029
		Total Liability Disallowed / Not Claimed Items (B)			4,89,93,40,400	2,87,24,389	3,71,60,972	35,19,67,617	2,85,84,118	38,05,51,756	3,78,46,74,009
				-							
		Total Liability (A+B)	_		4.09,93,40,403						

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Summary of issue involved in the Petition

	of the Company :	NTPC Limited							
	of the Power Station :	Barh Super Ther	mal Power Station Stage-II						
1	Petitioner:	NTPC Limited	9						
2	Subject	Tariff petition for	or 2019-24						
3	ii) Allow the recovery of fi from the beneficiaries. iii) Allow billing and recov various authorities on Peti iii) Allow Relaxation in He iv) Allow Capital expendit	iling fees as & when paid very of levies, taxes, dutitioner in accordance with tat Rate. ture towards Railway Inf	er Station Stage-II for the tariff period 01.04.2019 to d to the Hon'ble Commission and publication expenses es, SLDC/RLDC charges, service tax etc. levied by the n law additionally from the beneficiaries. crastructure.						
4	Respondents								
	Name of Respondents								
	a. North Bihar Power Distr	ibution Company Ltd	d.Power Department Govt. of Sikkim						
	b. South Bihar Power Distri	ibution Company Ltd	e. Tamil Nadu Generation & Distribution Corporation Ltd.						
	c. Jharkhand Bijlee Vitran N	ligam Ltd							
5	Project Scope								
	Cost								
	Commissioning								
	Claim								
	AFC								
	Capital cost								
	Initial spare								
	NAPAF (Gen) Any Specific								

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508017/2022/OPERATION AND MONITORING SECTION

सं 22-303/1/2022-ओ एम

भारत सरकार / Government of India

निद्युत मंत्रालय / Ministry of Power

Shram Shakti Bhawan, Rafi Marg, New Delhi-110 001

Dated 28 March, 2022

To

The Chairperson, Central Electricity Authority, Sewa Bhawan, R. K. Puram, New Delhi-110066

Subject

Re-allocation of 554,67 MW Power to Government of Tamil Nadu from the power surrendered by various beneficiaries from NTPC power stations and NLC India Limited -regarding

Sir.

Keeping in view the power surrendered by Jharkhand, Sikkim, Manipur, Meghalaya, Tripura, DVC. Odisha, Wast Bengal and the willingness of Government of Tamil Nadu to purchase power, it has been decided to re-allocate 554.67 MW Power to Tamil Nadu from the Power Stations of NTPC and NLC India Limited given below along with the quantum as indicated in the table below:

S. No	100000000000000000000000000000000000000	Quantum of Power required in MW	Surrendered by	Period
1.	Barh-II	97 00	B0 MW surrendered by Jharkhand	up to 5 years with
_	1		17 MW surrendered by Sikkim	immediate effect
2	Barh-I	80.00	67.33 MW surrendered by Jharkhand	based on the
			12.67 surrendered by Sikkim	availability of ATC.
3.	Bongaigaon	140.40	31.4 MW surrendered by Manipur	
			56 MW surrendered by Tripura	
_			53 MW surrendered by Meghalaya	1
2	KBUNL-II (Subsidiary)		12.09 MW surrendered by Jharkhand 10 MW surrendered by DVC 30 MW surrendered by Odisha 34 MW surrendered by West Bengal 2 MW surrendered by Sikkim	
110	VLC TS-II Stage-I and)		Telangana	
	Total	554.67		

 In case some unit(s) in the above mentioned plant(s) is/are under shutdown at present, the share equivalent to that unit shall not be considered as reallocated to Tamil Nadu as the State needs power to meet its urgent requirement.

Contd....2/-.

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508017/2022/OPERATION AND MONITORING SECTION

No. 22-303/1/2022-OM

Dated 28 March, 2022

-2-

- The beneficiary is required to sign/extent PPA and enters into commercial arrangements/maintain LC with the allocated power.
- CFA is requested to get the allocation implemented under intimation to all concerned with immediate effect based on the availability of ATC.

Yours laithfully.

(Raja Ramaswamy) Under Secretary to Govtl of India Email:opmonitor-power@nic.in

Copy to :-

- Chief Engineer (GM), Central Electricity Authority, R.K. Puram, New Delhi-110066 1. 2.
- CMD, TANGEDCO, 144 Anna Salai, Chennai-600002
- Member Secretary, ERPC, 14, Golf Club Road, Tollygunje, Kolkata-700033 3.
- Member Secretary, Western Regional Power Committee (WRPC), F-3, MIDC Area, 4. Marol, Opp. SEEPZ, Central Road, Andheri (East), Mumbai-400093
- Member Secretary, Northern Regional Power Committee (NRPC), Qutab Institutional 5. Arca, Katwaria Sarai, New Delhi-110016 6.
- Member Secretary, Southern Regional Power Committee (SRPC), No.-29 Race Course Cross Road, Bangalore-560009
- 7. Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapalang, Shillong (Meghalaya)-793006
- ED (Commercial), NTPC Limited, Core-3, Floor-7, 7 Institutional Area, Lodhi Road, 8. New Delhi-110003

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मं. 22-303/1/2022-ओ एम भारत संस्कार / Government of India विद्युत मंत्रालय / Ministry of Power

> Shram Shakti Bhawan, Rafi Marg New Delhi Dated: 1st November, 2022

to

The Chairperson, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066

Subject:- Re-allocation of 554.67 MW Power to Government of Tamilandu from the power surrendered by various beneficiaries from NTPC stations and NLC India Ltd--reg.

Sit.

In partial modification to this office's earlier allocation order of even no. dated 28.03.2022 (copy attached) on the subject mentioned above, and based on the request made by Tamil Nadu vide its letter dated 29.09.2022 (copy attached), it has been decided to modify the period of re-allocation of four Stations i.e. Barh-I, Barh-II, KBUNL (Subsidiary) and Bongaigaon as detailed below:

S. No.	Power Station	Quantum of Power required in MW	Surrendered by	Revised Period
I.	Barh-II	97.00	80 MW surrendered by Jharkhand	30.03.2022-29.03.2024
			17 MW surrendered by Sikkim	
2.	Barh-I	80.00	67.33 MW surrendered by Jharkhand	30.03.2022-29.03.2024
			12.67 surrendered by Sikkim	
3.	Bongaigaon	140.40	31.4 MW surrendered by Manipur	
			56 MW surrendered by Tripura	03.04.2022-02.06.2023
			53 MW surrendered by Meghalaya	
2,	KBUNL-II (Subsidiary)	88.00	12.09 MW surrendered by Jharkhand	
			10 MW surrendered by DVC	
			30 MW surrendered by Odisha	30.03.2022-29.05.2023
			34 MW surrendered by West Bengal	
			2 MW surrendered by Sikkim	
	NLC TS-II (Stage-I and II)	149.27	Telangana	up to 5 years from as mentioned in the earlier allocation order dated 28.03.2022
	Total	554.67		

Contd/- next page.

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2. The heneficiary is required to sign/extent PPA and enters into commercial arrangements/maintain LC with the

Yours faithfully

(Hausuanthang Guite) Under Secretary to Govt. of India Telefax: 23062492 Email: opmonitor-power@nic.in

Copy to :-

- 1. Chief Engineer (GM), Central Electricity Authority, R.K. Puram, New Delhi-110066
- 2. CMD, TANGEDCO, 144 Anna Salai, Chennai-600002
- 3. Member Secretary, ERPC, 14, Golf Club Road, Tollygunje Kolkata-700033
- 4. Member Secretary, Western Regional Power Committee (WRPC), F-3, MIDC Area, Marol. Opp. SEEPZ, Central Road, Andheri (East), Mumbai-400093
- 5. Member Secretary, Northern Regional Power Committee (NRPC), Qutab Institutional Area, Katwaria Sarai,
- 6. Member Secretary, Southern Regional Power Committee (SRPC), No.-29 Race Course Cross Road,
- Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapaiang, Shillong (Meghalaya)-793006
- ED (Commercial), NTPC Limited, Core-3, Floor-7, 7, Institutional Area, Lodhi Road, New Delhi-110003

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TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED

From B.RAJESWARI, B.Com., FCMA. Chief Financial Controller / Regulatory Cell 7th Floor, Western Wing 144, Anna Salai, Chennai 600 002

To The Under Secretary, Ministry of Power, Shram Shakthi Bhavan, Rafi Marg, New Delhi, email: opmonitor-power@nic.in

Lr. No: CFC/ RC/ SE/ CERC/ EZ/ AEE/ F Addl Power/ D 237/ 22, dt:29.09.22 Sir.

Sub: TANGEDCO- Re-allocation of 554.67 MW Power to Government of Tamil Nadu from the power surrendered by various beneficiaries from NTPC power stations and NLC India Limited - Time period of PPA - Reg.

MoP reallocation notification No. 22-303/1/2022 OM dt: 28.03.2022

This office letter No: CFC/ RC/ SE/ CERC/ E2/ AEE/ F 2. Addl Power/ D 230/22, dt: 21.09.22

In continuation to the above, the time period for procurement of additional power by TANGEDCO from the following NTPC Stations may be revised as

SI. Na.	Station Name	Time period in months from the date of scheduling of	Date of start of scheduling	Date of ending required for this additional allocation
1 2 3	BARH-I BARH-II KBUNL (Subsidiary)	24 24 24 14	30.03.2022 30.03.2022 30.03.2022	29.03.2024 29.03.2024 29.05.2023
4	Bongaigaon	14	03.04.2022	02.06,2023

Hence it is requested that necessary orders shall be issued for the time period as mentioned above for the additional power from NTPC. Kind action is solicited as PPAs need to be signed with M/s. NTPC.

Thanking you,

Yours sincerely,

CFC/ Regulatory Cell

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them from the station. There is no instance that due to any lack in station capability the station could not supply the power requisitioned by beneficiaries. It is thus submitted that neither the beneficaries nor the grid operation as such has ever been adversely affected by this unit not generating at MCR during trial run.

It is humbly submitted that NTPC has substantially complied the purpose and objective of demonstrating the performance of the generating unit for a period of 72 hours and it was never the intention of the Petitioner to violate the Regulations of Hon'ble Commission in this regard. It is submitted that Petitioner proceeded interpreting the Regulations in a broader manner for declaring Unit-IV COD in the context of its rationale/objective provided in the Statement of Reasons (SOR) that the generating station or Unit is capable of reliably operating at normative levels.

In view of above it is prayed that Hon'ble Commission may treat the delay in COD due to revision in COD of Unit-IV as per Hon'ble Commission order dtd 20.09.2017 as Force Majeure event beyond the control of petitioner and condone the additional delay of 16 months in COD of Unit-IV from 15.11.2014 to 08.03.2016.

16) It is submitted that the petitioner submitted the reasons for time overrun in declaring COD of Unit-V vide affidavit dated 08.09.2016. The same are detailed below for ready reference:

i) Non Availability of Aggregate and Coarse Chips:

It is submitted that in Barh STPS, there is only one supplier of aggregate. All civil contractors and progress of civil works were dependent on this supplier for supply of aggregate of required quality and quantum. In spite of this limitation, the civil foundation works for Unit-V could be finished before time and NTPC could start the boiler/ turbine erection of Unit-V before schedule. However, in Feb 2010 Govt. of Bihar banned mining from stone quarry to protect the environment (Bihar Minor Mineral Concession

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(Amendment) rules 2010, letter from the agency and news article are attached at Annexure-D in this regard). This decision of the Govt. of Bihar coincided with the timing of construction of Cooling Towers, Chimney, Makeup Water Pump House (MWPH) and other Civil Works which were in full swing. These activities consume huge quantities of aggregate and coarse chips of various sizes. Moreover, there was huge demand for coarse chips as there were massive infrastructure works such as construction of National Highways etc going on at peak in and around Barh. Finding no alternatives, the civil agencies had to look for sourcing the aggregate from bordering state of Jharkhand. This took more time and cost as firm supplier had to be tied up by the agencies and the stone chips had to be transported over longer distance by additional 50 kms (i.e. from Koderma in place of Sheikhpura and Nawada).

In view of the above, it is submitted that there was sudden and large shortage of the aggregate of required quantity, strength and size in Barh Stage-II, which affected the progress of construction of Cooling Towers, MWPH etc. Approximately 60 days were lost in the activity.

ii) Socio-Economic Culture and Law and Order Situation of Bihar:

It is submitted that socio economic culture of Bihar state is quite different from other states in the country. There is marginal industrial presence in the state. The area surrounding the Barh project is intensive agricultural land and densely populated. The site is typically located adjacent to river Ganges and the embankment of approach road leading to Rajendera Bridge over river Ganges, Barauni. The said area is popularly known as Taal area. The Taal area not being easily accessible, law and order situation is not conducive in the surrounding areas. Due to this typical situation, the project execution for NTPC was a herculean task. The NTPC employees and agencies working in the site had to constantly face law and order problems such as extortion, threats from anti-social elements. There have been

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number of law and order incidents during execution of the project. Due to such incidents the work flow was often obstructed and in some cases totally stopped by the agencies. This caused delays in execution of the project due to Industrial relation problems arising out of incidents of extortion, threats, etc. It is submitted that effectively about 90 days were lost in such incidents related to law and order problems. In this regard few newspaper clippings and letter from the agency as sample are attached and collectively marked as Annexure-E.

iii) Heavy Rainfall in the Barh area:

It is submitted that there was abnormal heavy rainfall at Barh Site during the 2011 monsoon period (i.e. June 2011 to Sept 2011). Due to this unprecedented heavy rainfall, especially in the month of August 2011 (334 mm) and September 2011 (343 mm); the boiler erection activity of Unit-V which was otherwise in full swing, was severely hampered. Being very near to Ganga river, the water table at the site is very high. Therefore even after the rainfall, it took several days for water/ clay soil to dry up sufficiently and make possible for the heavy machinery like hydra, crawler cranes etc to move and transfer/lift the heavy equipments/ structure. This abnormal heavy rainfall delayed the erection of boiler water cycle pipings/ panels and subsequently the boiler commissioning by 60 days. (Rainfall data from IMD is attached at Annexure-F).

iv) Geological Surprise and Delay in Construction of Intake Well at Make up Water Pump House;

Makeup Water Pump House (MWPH) for the station is situated outside the plant boundary, approx. 2kms from the Barh Power Station. It is submitted that the work of MWPH was awarded to NCC Ltd. on Feb 2010. The MWPH includes a construction of intake well of about 80 mtrs depth and installation of vertical pumps in River Ganges to supply make up water to Barh station. The intake well construction was being done by well-sinking

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method. However, during the process of sinking, various geological surprises were encountered like abrupt change in the earth strata which slowed down the sinking speed of the well drastically.

It is to be further submitted here that due to geological surprise of change in course or meandering of the river Ganga away from the location identified for Intake well / barge pumps, dredging of the river was carried out by NTPC and Inland Waterways Authority of India (IWAI) to bring back the river near Intake well which also took some time. (Copy of Memorandum of Understanding signed with IWAI is attached at Annexure-G for ready reference).

Moreover, the construction of intake well as well as associated bank protection work was delayed due to frequent stoppage/ hindrances of work from local villagers. It is submitted that local villagers time and again obstructed the progress of Bank Protection work in MWPH area in the name of land compensation. NTPC had paid total compensation corresponding to the total land acquired for the project and NTPC had not defaulted on payments of land compensation at a rate as decided by the district authorities. However, some of the villagers claiming to be the owners of land, regularly troubled the implementing agencies in the name of land compensation. This resulted in substantial delay in completing the civil works associated with the intake well and bank protection work which was beyond reasonable control of NTPC (letter from NCC Ltd. is attached at Annexure-H)

It is submitted that the Barh Stage-II Unit-V was in advanced stage of commissioning and was ready to proceed for trial operation. However non availability of intake well due to geological surprise and disturbances by local people posed a serious problem. NTPC followed the contingency arrangement as done in case of Unit-IV so that the Barh Unit-V may not be

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stranded for want of makeup water. NTPC further installed barge mounted pumps directly into the river and made available the makeup water needed for commissioning of Unit-V and to continue reliable operation of the Unit-IV which was already under commercial operation supplying power to the beneficiaries.

It is submitted that it took some time for dredging and to make arrangements for fabrication of the barge and installation of pumps at site. This delayed the Unit by approximately **180 days**. It is further submitted that unit achieved sustained operation by this arrangement.

v) Unique Problem of Multiple Weld Joints Failures and Rolled Beam of Boiler Structure:

The Petitioner vide affidavit dated 23.07.2015 has submitted that during the process of commissioning of Unit-IV, Boiler was faced with typical repetitive failures of weld joints. This was primarily due the fact that Barb STPS (Stage-II) is the first super critical 660 MW boiler indigenously manufactured and supplied by BHEL in technological collaboration with ALSTOM. A wide range of alloy steels such as T12, T22, T23 & T91 have been used in manufacturing of pressure part components to meet the technical requirement of super critical boiler operating with domestic coal having high ash content. Among all the different grades of alloy steel used, T23 material is relatively new. It is submitted that the T23 material for boiler tubes has high temperature creep resistance and was deployed by the boiler manufacturer to meet the technical requirement of super critical boilers operating with domestic coal having high ash content. This material was also cleared by the statutory authority in India viz. Central Boiler Board (CBB) and had been used in Sipat Stage - I 660 MW Boilers. M/s Doosan designed boiler has tubes in Reheater and Superheater coils with T23 material but not in the roof panels. In case of Barh, this T23 material has been used in roof panels also and typical multiple failure of weld joints

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Vitendra 15

problem were faced due to specific locations of field weld on these finned panels and associated Post Weld Heat Treatment (PWHT).

It is reiterated that during erection of these panels in Unit-IV and Unit-V carried out the welding & post weld heat treatment process as prescribed by the supplier/ manufacturer. However during the commissioning of Unit-IV, these tube weld joints have shown peculiar behavior of cracking, which was found when boiler was cooled down after operation at rated temperatures and pressure. This has been a surprise to the OEM i.e. M/s ALSTOM. The situation has been further aggravated due to increase in number of T23 joints because of insertion of spool pieces for repair of each of the failed joints resulting in increase in the number of T23 weld joints as a cascading effect.

Due to this typical problem the established PWHT procedures were reviewed to find a solution to this unprecedented problem. Welding procedure/ PWHT procedures were reviewed and revised many times after many discussions/ deliberations between NTPC, BHEL & ALSTOM to overcome the weld joint failures/ tube leakage problems. In this regard, correspondence and minutes of various meetings held for reviewing/ revising the weld procedure (WPS) is attached at Annexure-I. By following the revised procedure of welding and PWHT, Unit-IV boiler operation on sustained basis was achieved in July 2014.

It is submitted that these panels for Unit-V boilers were already erected and field weld joints as per prescribed procedures were done. Based on the experience of Unit-IV, NTPC ensured advance and proactive action in Unit-V. After the successful and positive results of revised welding and PWHT procedures carried out in Unit-IV, NTPC ensured that parallel hardness tests/investigations for defective weld joints shall be carried out in Unit-V so as to reduce further time overrun. Based on the visual inspection and hardness tests of joints, it was decided to cut 760 joints and

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redo the joints with spool pieces. Repair of T23 joints as per the revised procedure of welding and PWHT could only be completed in October 2014 leading to time overrun of three and half (3.5) months over which NTPC has no reasonable control. However due to the proactive steps taken by NTPC based on the experience of Unit-IV, further time overrun of approximately 05 months was avoided.

The Petitioner also carried out the replacement of 370 nos washers supporting the boiler water wall system on to the Rolled Beams (RB). This was done based on the Unit-IV observations, where 05 nos RB were found hent after boiler operation in the month of August 2014 due to uneven distribution of loading caused by improper sizing of the plate washers used for the suspension mounting on 1-section of RB. The petitioner took proactive parallel measures to replace the old load bearing washers (370 nos) with newly redesigned and resized washers in Unit-V during September2014-November2014. This took about two months for replacing the load bearing resized washers one by one. This lead to a time overrun of two (02) months over which NTPC has no reasonable control. MoMs held with BHEL on 20.08.2014 and 27.08.2014 is attached at Annexure –J in this regard.

It is submitted that thereafter the Petitioner proceeded for steam blowing and decided to go for trial operation of the Unit-V and subsequently declare the COD of Unit-V. During the course of operation of Unit-V, the water wall tubes of Unit-V showed this unique problem of repetitive weld joint failures. The matter was immediately taken up with OEM. Accordingly, welding and PWHT procedures were reviewed and revised after number of discussions/ deliberations and were finalized after lot of deliberation of technical experts by 27.03.15. Extensive physical survey and various tests of the weld joints were carried out to identify the defective weld joints and it was decided to carry out PWHT of about 10684 joints and to repair 110

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joints as per the revised procedures set by the OEM. Accordingly, resources were mobilized and the repair and PWHT of joints were carried out under adverse situation of heavy rainfall and inaccessible location of joints which took more time than normal.

As per recommendations and revised procedures, after the repair and PWHT, cyclic hydro test with 3 to 4 cycles was carried out to identify the weak joints and repair thereof. However, while load raising after synchronization of unit, multiple BTLs were encountered due to rise in thermal stress which were repaired as and when encountered. The Unit could be stabilized in the month of Jan 2016 and successful trial operation could be carried out in the month of Feb 2016 and subsequently unit was declared COD w.e.f. 18.02.2016. The rectification of multiple tube failures of water wall took almost eleven (11) months. In this regard MoM and correspondences with OEM is attached at Annexure-K.

Based on the above submissions, it is submitted that repair of multiple repetitive failures of weld joints of boiler and replacement of load bearing washers of boiler took some time and delayed the COD declaration by about 17 months over which NTPC had no reasonable control.

17) It is submitted that based on the above details of time overrun in case of Unit-V and details of reasons of time overrun w.r.t. Unit-IV (attached as Annexure - C in the instant petition) provided earlier vide affidavit dated 23.07.2015, the factors leading to delay in declaration of station COD may be further summarized into controllable and uncontrollable factors as shown in the following table:

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SI No)	1	ration of delay (onths) - Unit-V	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Controllable/ Un-controllable
1	Non availability of Aggregate	02	02	Change in Law: Notification by Govt. of Bihar for stoppage of stone quarry	Uncontrollable
2	Socio-Economic Culture and Law and Order Situation of Bihar	03	03		
3	Abnormal Heavy Rain Fall	02	02	Force-Majeure : Beyond reasonable control of NTPC	
4	Rerouting of Power Cycle Piping	02	•	Force-Majeure : Being first 660 MW unit supplied by BHEL	Uncontrollable
5	Delay in construction of Intake Well at Makeup water pump house	06	06	Force-Majeure : Hindrances of work by local people; Geological surprises; meandering away by river Ganga	Uncontrollable
5	Unique problem of Multiple repetitive fallures of T-23 weld joints	05**	3.5	Force-Majeure : Being first 660 MW units supplied by BHEL and certain	Uncontrollable
	Unique problem of Multiple repetitive failures of Water Wall Tube Weld joints		8.5**	super critical tube materials used for first time by OEM, beyond reasonable control of NTPC	Uncontrollable
	Bending of Rolled Beam Boiler structure:	02	1	Force-Majeure : Being first 660 MW units supplied by BHEL, beyond reasonable control of NTPC.	Uncontrollable
	ADDITIONAL DELAY		-		
	Revision of COD date of Unit-IV as per Hon'ble commission order dtd 20.09.2017 in Pet No 130/MP/2015	16		Force-Majeure : Being the first unit declared under commercial operation by NTPC under the changed	Uncontrollable

			Trial run definition in Tariff Regulations, 2014	
Total	38	27		

** Note: Total delay was for more months, however the period of delay excluded due to overlapping and starting of boiler erection activities ahead of schedule.

In spite of all these delays, which couldn't be foreseen earlier and were beyond reasonable control of the Petitioner, NTPC assiduously put all out efforts and by utilizing its project execution tools and experience could reduce the total delay significantly and could successfully declare the COD of the station w.e.f 00:00 hrs of 18.02.2016 (Revised to 08.03.2016). It is respectfully submitted that, in view of the detailed submissions and summarized table above, various factors leading to declaration of COD of the station were beyond reasonable control of NTPC, Hon'ble Commission may be pleased to consider the same and may please condone the delay accordingly. PERT diagrams indicating factors for time overrun w.r.t. Unit-IV and Unit-V are attached and collectively marked as Annexure-L.

- Without prejudice to above submissions, it is humbly prayed that Hon'ble Commission may be pleased to condone the delay in declaring the Unit-IV and Unit-V COD under Regulation 54: "Power to Relax". It is further submitted that as explained above, there was no imprudence on part of NTPC in selecting a renowned indigenous manufacturer BHEL as the Main Plant contractor and the experience gained by NTPC and BHEL during execution of this project has enriched the total power sector as a whole and is a fit case for relaxation of Regulation 12 read with Regulation 9 (2) under "Power to Relax" clause (Regulation 54) and Hon'ble Commission may be pleased to allow the capital cost of Rs.9271.75 Cr (cash basis) as per Form-1(i) as on COD of Unit-IV, claimed in the instant petition.
- 19) It is submitted that the Barh STPS Stage-II was originally envisaged as an extension project of Barh STPS Stage I (3X660 MW) and therefore the systems/ facilities required for generation at Stage-II units were designed

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15/₹10-04-401/2008-Part-II- \QQ

Government of Bihar Water Resources Department

Resolution

Dated: 03-10-16

Subject - Increment in Water charges rate for Industrial, Commercial and Municipal use

Under Para-62 of Bihar Irrigation Act, 1997 (Bihar Act - 11, 1998) there is provision for fixation of water charges rate for Industrial. Commercial and Municipal use.

Water charges rate ₹ 4.50 (Rupees four and paise fifty) only per thousand gallon for Industrial, Commercial and Municipal use effective from 1st April 1998 is hereby increased to ₹ 18.00 (Rupees eighteen) only per thousand gallon.

New Water charges rate will be effective from 3rd October 2016.

This has the approval of the State Cabinet.

By the order of Governor of Bihar

Joint Secretary (Engineering) Water Resources Department

Memo No- 15/10-04-401/2008-Part-II- \80

Pama, Dated | 0°5-10-16

Copy to .- Accountant General (Account & Entitlement), Bihar/ Accountant General (Audit), Bihar, Birchand Patel Marg, Patna for information and necessary action.

> (Yogeshwar Dhari Singh) Joint Secretary (Engineering) Water Resources Department

> > Situalia

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Memo No- 15/310-04 401/2008-Part-II- \&\\

Patna, Duted- 03-10-16

Copy to :- PA to Honorable Minister, Water Resources Department, Bihar, Patna /Chief Secretary, Bihar, Patna /Principal Secretary, Cabinet Secretariat Department, Patna /Principal Secretary Finance Department, Patna /Principal Secretary, Industry Department, Patna /Principal Secretary, Town Development and Housing Department Patna /Personal Assistant to the Principal Secretary, Water Resources Department, Patna /All Engineer in Chief /All Chief Engineer /All Superintending Engineer /All Joint Secretary /All Executive Engineer, Water Resources Department for information and necessary action.

(Yogeshwar Dhari Singh)
Joint Secretary (Engineering)
Water Resources Department

Memo No- 15/70-04-401/2008-Part-II- \89

Patna, Dated 03-10-16

Copy to Superintendent, Secretarial Princing Press, Gulzarbagh, Patna in two hard copies along with CD for information and necessary action. Please publish it in the next extra ordinary publication and provide 200 (Two hundred) copies to Water Resources Department.

(Yogeshwar Dhari Singh) Joint Secretary (Engineering) Water Resources Department

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Virtender

15/110-04 401/2008-478-11-189

बिहार सरकार जल संसाधन विभाग

संकल्प

दिनांक - 03-10-16

िगग -- औद्योगिक व्यावसाधिक एवं म्युनिशियल तपयोग हेतु जल प्रभार दर में वृद्धि।

बिहार सिंबाई अधिनियम, 1997 (बिहार अधिनियम 11, 1998) की कंडिका 62 के अधीन ओट्योगिक व्यावसायिक एवं म्युनिसिपल उपयोग हेतु जल प्रभार दर निर्धारित करने का प्रावधान है।

औद्योगिक, व्यावसायिक एवं म्युनिसियल उपयोग हेत् ०१ अप्रैल १९९८ से प्रभावी जल प्रभार दर ₹ 4.50 (बार रूपये प्रचारा पैसे) प्रति हजार गैलन में पृद्धि करके ₹ 18.00 (अठारह) प्रति हजार गैलन िर्मारित किया जाता है ।

नया जल प्रभार दर दिनांक 03.10.2016 से प्रभावी होगा।

इस पर मंत्रिपरिषद की रवीकृति प्राप्त है।

विहार राज्यपाल के आदेश से,

संयुक्त सचिव (अभियनण) जल सराधन विभाग

जापाकः-15/रा०-04-401/2008-पार्ट-II- \ ८ प् /पटमा, दिनाकः - D र्- रि- रि

प्रतिलिपि - महालेखाकार (लेखा एवं हकदारी), बिहार / महालेखाकार (लेखा परीक्षा), बिहार वीरचन्द पटैल

गार्ग, पटना को सूबनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

(योगंच्यर धारी सिंह) संयुक्त सचिव (अभियनण) जल संसाधन विभाग

Situation

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प्रतिलिपि — माननीय मत्री, जल संसाधन विभाग, बिहार, पटना के आप्त सचिव /मुख्य सचिव बिहार, पटना /प्रधान सचिव मंत्रिमंडल सचिवालय विभाग, पटना /प्रधान सचिव, विस्ता विभाग, पटना /प्रधान सचिव, विद्यान सचिव, उद्योग विभाग, पटना /प्रधान सचिव के निजी सहायक, जल संसाधन विभाग, पटना /सभी अभियंता प्रमुख /सभी मुख्य अभियंता /सभी सयुक्त सचिव /सभी अधीक्षण अभियंता /सभी कार्यपालक अभियंता जल संसाधन विभाग को सूचनार्थ एव आवश्यक कार्रवाई हेतु प्रेषित।

(योगेश्वर घारी सिंह) संयुक्त सचिव (अभियन्त्रण) जल ससाधन विभाग

ज्ञापांकः- १५/४१०-०४-४०१/२००४-पार्ट-॥- \ ८८

/पटना, दिनांक:-0 3.10-16

प्रतिलिपि :- अधीक्षक, सचिवालय मुद्रणालय, गुलजाखाग, पटना को दो हार्ड कॉपी एवं सी०डी० के साध सूचनार्थ एपं आवश्यक कारंवाई हेतु पेषित । कृपया राजगत के अगामी असाधारण अक में इसे प्रकाशित कराकर दौ सौ प्रतियाँ जल संसाधन विभाग को उपलब्ध करायी आय।

> (योगेश्चर धारी शिंह) संयुक्त संदिव (अभियत्रण) जल संसाधन विभाग

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Phone : 011-45565404 Vlobile : 09311959678

H. TARA & CO.

Cost Accountants

A-1-B 49-B. Paschim Vihar, (Near Paschim Vihar-West Metro Station) New Delhi-110063

Finail fincost@htaraco.com, barkesh_tara2001@yahoo.com Website | www.htaraco.com

Treatment of Railway Advance in case of Barh Station of NTPC Limited

Advance of ₹ 390 Cr. was given to Rollways with Funding provided by systemics. (NIPC (ed.) as per following details:

Date of Payment	Amount (in ₹ Crares)	Project	Date of
15 03 2014	140	Electrification of Manpur Titalya- Bakhtiyarpur section to NTPC Bark Siding	O1 (17.2020
70 03 2014	250	Construction of Bakhtiyarpur Flyover, Bakhtiyarpur Barh Jil line and Surface Triangle between Bakhtiyarpur Raggir line and Athrnalgela Bakhtiyarpur Up line to NTPC Barh Siding	01.07.2020
Total	390	The same of the sa	

Besides, NTPs, has also given an advance of \$2/4.6519 Cr. to Radways for MPO. I day at your as per following details, agreement of the same is still pending.

Date of Payment	Amount (in 1 Crores)			
22 02 2013	144.3304			
27.02.2015	130 5215			
Total	274.6519			

Hence, total advance given to Railways is € 664,6519 Cruses.

At that time of giving advance, O&M Advance was created in Books of Accounts in the name of Radways for amount of Rs. 664 6519 Cr.

Further, as per the agreement (2 Projects * 500 Crores). Bailway shall pass on the rebase from the freight for amount equivalent to the sum of 7% of the disbursed amount along with interest (# 4% per annum after COD of the asset.

Hence after the CDD of Asset, Mallways is paying back MTPC 7% of Reliway advance as rebate along with 4% emple interest on outstanding amount. On receipt of the same, OSM advance created in books of accounts is reduced by the amount received regarding rebate from the railways and Interest is credited to Other Income of the financial Statements.

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COD of the 2 projects (390 Crores) was done on 31.12.2021. Hence, as per Agreement Amount of rebate of Rs. 27.3 Crores (i.e. 7% of 390 crs. principal) is to be used by railways along with interest @ 4% of Rs. 390 crs. i.e. 3.8466 Crores (for remaining period of 2021-22). Hence, on receipt of installment, an amount of Rs. 27.3 Crores is reduced from CEMI advance from Balance Sheet and Interest of Rs. 3.8466 Crores is credited to Interest in Other Income (Note 38) of the Financial Statements in the year 2021-22.

Fai

Management (NTPC)

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Thota Vined Kumar

GM (Finance Commercial)

For H. Tara & Co.

Cost Accountants

FRN 100265

In 186345 Shri Marknett Ya

(Partner)

Membership No. 17321

Vilender



BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, NSB-2, Patliputra Industrial Area Patliputra, Patna - 800 010

Patriputra, Patria - 800 010

Patna, dated- /2-3-/9

DISCHARGE CONSENT ORDER

With reference to the application ID- 1811437, dated 31.10.2018 of M/s NTPC, Barh II, NTPC Barh, Dist- Patna-803215 (Bihar) for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, they are granted consent to bring into use their new outlet(s) for discharge of trade effluent and/or domestic sewage operate his/her plant of Barh Super Thermal Power Project NTPC Barh, (Unit # 4 - 660MW) Pandarak, Patna-803215 for the period upto 30.09.2023 with the following conditions.

- 1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24.31 and 33A of the Water (Prevention & Control of Pollution) Act 1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20.21.23.30 and 32 of the Act;
- That, he/they shall comply with the provisions of the rule 14 of the Environment (Protection) Rules, 1986; previsions of the Hazardous & Other Wastes (Management & Tran-boundary Movement) rules, 2016, rules 4,5,7,8,10,11,12,13, 15,17 and 18 of the Manufacture. Storage and Import of Hazardous Chemical Rules, 1989, and the provisions of the Public Liability Insurance Act, 1991 whichever is applicable.
- 3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof as and when asked for
- 4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31.08.2023 or within 30 days from the date of receipt of this order, whichever is applicable.
- 5 The unit shall use liquid Waste Water Treatment Plant (LWWTP) for ensuring zero liquid discharge.
- 6 The unit shall comply Specific Water Consumption (SWC) maximum of 3.0 m3/MWH in compliance of MoEF&CC Gol Notification dated- 28.06.2018.
- 7 The unit shall comply all the conditions of EC & CTOs and submit the report of to the Board in addition with the concerned authority for EC (MoEF&CC) half yearly.
- 8 The unit shall ensure utilization of fly ash as per the guidelines/notification issued by MoEF&CC Govt. of India.
- 9 The unit shall submit Environmental Statement for the financial year ending the 31st March in Form-V on or before the 30th September every year.
- The unit shall ensure the operation of STP and to conform to the prescribed standards (pH: 6.5-9, BOD: 30mg/L, TSS: <100mg/L & FC <100MPN/100ml).
- 11 The unit shall monitor Ganga river water Quality in U/S & D/S with reference to water intake point.

To

Sri Asit Kumar Mukherjee M/s NTPC Barh II At - NTPC Barh, Dist- Patna-803215 (Bihar) (Alok Kumar) Member Secretary

Vilarda



BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, NSB-2, Patliputra Industrial Area Patliputra, Patna - 800 010

Patna, dated- 20191/8

DISCHARGE CONSENT ORDER

With reference to the application ID-1316487, dated 26.02.2018 of M/s NTPC, Barh II, NTPC Barh, Dist-Patna-803215 (Bihar) for consent under sections. 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, they are granted consent to bring into use their new outlet(s) for discharge of trade effluent and/or domestic sewage operate his/her plant of Barh Super Thermat Power Project NTPC Barh, (Stage-II, Unit-5) Pandarak, Patna-803216 for the period upto 31.12.2022 with the following conditions - (Thermat Power – 660MW)

- That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24.31 and 33A of the Water (Prevention & Control of Pollution.) Act 1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20.21.23.30 and 32 of the Act.
- That, herthey shall comply with the provisions of the rule 14 of the Environment (Protection) Rules, 1986, previsions of the Hazardous & Other Wastes (Management & Tran-boundary Movement) rules, 2016, rules 4.5.7.8.10,11,12.13, 15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991 whichever is applicable;
- 3 That, herthey shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for:
- 4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 30.11.2022 or within 30 days from the date of receipt of this order, whichever is applicable.
- The unit shall treat its effluent through LWTP and ensure its reuse in the plant to maintain zero waste water discharge.
- 6 The unit shall not discharge its effluent to the Ganga River or outside the premises/nearby land.
- The unit shall install surveillance system (Web Camera & Flow meters).

8 The unit shall submit Environmental Statement for every year.

To

Sri Vinod Choudhary M/s NTPC Barh II At - NTPC Barh, Dist- Patna-803215 (Bihar)

(Alok Kumar) Member Secretary

20/9/18

EPABX: 0612-2261250/2262265, Fax: 0612-2261050 E-mail: hapthesizes com. Website: http://beets.bib.ne.is

Julenden

Annexure-A

Raj Pal आर्थिक सलाहकार Economic Adviser Tel. No.:011-23715595

E-mail: raj.pal@nic.in



भारत सरकार GOVERNMENT OF INDIA विद्युत मंत्रास्त्रय MINISTRY OF POWER श्रम शक्ति भवन, गक्ती वार्ग SHRAM SHAKTI BHAWAN, RAFI MARG

DO NO.9/23/2014-EC

नडं दिल्ली 110001 NEW DELHI - 110001

Dated :- 2nd August, 2017

As you may be aware, lighting accounts for more than 20% of total electricity consumption in India. Use of LED lights in domestic and public lightings could result in 50-90% reduction in energy consumption by lighting. It was with this objective that the Hon'ble Prime Minister, on 5th January, 2015 faunched the National LED Programme to facilitate rapid adoption of LED based home lighting and street lighting across the Country. This programme, consisting of Unnat Jyoti by Affordable LEDs for All (UJALA) and Street Lightings National Programme (SLNP), is being implemented by EESL, a joint venture company of four Power Sector PSUs.

- The issue relating to use of LED fights was also deliberated in the infrastructure review meeting held by Hon'ble Prime Minister on 17th September, 2016, wherein it was recommended to issue orders for mandating use of LED lights in all lighting projects funded by the Government.
- Subsequently, in the review meeting held by Hon'ble Prime Minister on 21st July, 2017, it was inter-elia recommended to replace old bulbs with LED bulbs and that the full replacement should be achieved by 15th August, 2017 in government buildings.
- In view of the above, you are requested to take necessary action to ensure that all old bulbs are replaced with LED bulbs by 15th August, 2017 in all the buildings (including compound/street lightings) occupied by your organisation.
- 5. It will be appreciated if action taken in this regard is reported to this Ministry on priority basis.

नि॰(वक्नोसी)/DIR (T) निव्दियोजना)/DIR (Pro.)

नि॰(वित)/DIR (F)

निर्वाचन्येगार (0)

Po(पाटमं ा/DIR (HR)

निव्(वाधिक्य)/DIR (Com.)

VRED (

)/ED(पनुष(निञ्जा०)/Head of CP Shri Gurdeep Singh, CMD,NTPC. Scope Complex, Lodhi Road, New Delhi.

With regards,





ANNERURE - G

Annexure-B

THE ENERGY CONSERVATION ACT, 2001

ARRANGEMENT OF SECTIONS

CHAPTER I

PRELIMINARY

SECTIONS

- 1. Short title, extent and commencement.
- 2. Definitions.

CHAPTER II

BUREAU OF ENERGY EFFICIENCY

- 3. Establishment and incorporation of Bureau of Energy Efficiency.
- 4. Management of Bureau.
- Meetings of Governing Council.
- 6. Vacancies, etc., not to invalidate proceedings of Bureau, Governing Council or Committee.
- Removal of member from office.
- 8. Constitution of Advisory Committees and other committees.
- 9. Director General of Bureau.
- 10. Officers and employees of Bureau.
- 11. Authentication of orders and decisions of Bureau.

CHAPTER III

TRANSFER OF ASSETS, LIABILITIES, ETC., OF ENERGY MANAGEMENT CENTRE TO BUREAU

Transfer of assets, liabilities and employees of Energy Management Centre.

CHAPTER IV

POWERS AND FUNCTIONS OF BUREAU

13. Powers and functions of Bureau.

CHAPTER V

POWER OF CENTRAL GOVERNMENT TO FACILITATE AND ENFORCE EFFICIENT USE OF ENERGY AND ITS CONSERVATION

- 14. Power of Central Government to enforce efficient use of energy and its conservation.
- 14A. Power of Central Government to issue energy savings certificate.
- 14B. Power of Central Government to specify value of energy.

CHAPTER VI

POWER OF STATE GOVERNMENT TO FACILITATE AND ENFORCE EFFICIENT USE OF ENERGY AND ITS CONSERVATION

- Power of State Government to enforce certain provisions for efficient use of energy and its conservation.
- 16. Establishment of Fund by State Government.
- 17. Power of inspection.
- 18. Power of Central Government or State Government to issue directions.

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CHAPTER VII

FINANCE, ACCOUNTS AND AUDIT OF BUREAU

SECTIONS

- 19. Grants and loans by Central Government.
- 20. Establishment of Fund by Central Government.
- 21. Borrowing powers of Bureau.
- 22. Budget.
- 23. Annual report.
- 24. Annual report to be laid before Parliament.
- 25. Accounts and audit.

CHAPTER VIII

PENALTIES AND ADJUDICATION

- 26. Penalty.
- 27. Power to adjudicate.
- 28. Factors to be taken into account by adjudicating officer.
- 29. Civil court not to have jurisdiction.

CHAPTER IX

APPELLATE TRIBUNAL FOR ENERGY CONSERVATION

- 30. Appellate Tribunal.
- 31. Appeal to Appellate Tribunal.
- 31A. Procedure and powers of Appellate Tribunal.
- 32. to 43. [Omitted.]
- Right of appellant to take assistance of legal practitioner or accredited auditor and of Government to appoint presenting officers.
- 45. Appeal to Supreme Court.

CHAPTER X

MISCELLANEOUS

- 46. Power of Central Government to issue directions to Bureau.
- 47. Power of Central Government to supersede Bureau.
- 48. Default by companies.
- 49. Exemption from tax on income.
- 50. Protection of action taken in good faith.
- 51. Delegation.
- 52. Power to obtain information.
- 53. Power to exempt.
- 54. Chairperson, Members, officers and employees of the Appellate Tribunal, Members of State Commission, Director-General, Secretary, members, officers and employees of the Bureau to be public servants.
- 55. Power of Central Government to issue directions.
- 56. Power of Central Government to make rules.
- 57. Power of State Government to make rules.
- Power of Bureau to make regulations.
- 59. Rules and regulations to be laid before Parliament and State Legislature.
- 60. Application of other laws not barred.
- 61. Provisions of Act not to apply in certain cases.
- 62. Power to remove difficulty.

THE SCHEDULE.

Vitender

THE ENERGY CONSERVATION ACT, 2001

ACT NO. 52 OF 2001

[29th September, 2001.]

An Act to provide for efficient use of energy and its conservation and for matters connected therewith or incidental thereto.

BE it enacted by Parliament in the Fifty-second Year of the Republic of India as follows:-

CHAPTER I

PRELIMINARY

- 1. Short title, extent and commencement.—(1) This Act may be called the Energy Conservation Act, 2001.
 - (2) It extends to the whole of India except the State of Jammu and Kashmir.
- (3) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint; and different dates may be appointed for different provisions of this Act and any reference in any such provision to the commencement of this Act shall be construed as a reference to the coming into force of that provision.
 - 2. Definitions. In this Act, unless the context otherwise requires,
 - (a) "accredited energy auditor" means 2[an energy auditor accredited in accordance with the provisions of clause (p) of sub-section (2) of section 13;
 - (b) "Appellate Tribunal" means the Appellate Tribunal for Energy Conservation 3[referred to in section 301;
 - "[(c) "building" means any structure or erection or part of structure or erection after the rules relating to energy conservation building codes have been notified under clause (p) of section 14 and clause (a) of section 15 and includes any existing structure or erection or part of structure or erection, which is having a connected load of 100 Kilowatt (kW) or contract demand of 120 Kilo-volt Ampere (kVA) and above and is used or intended to be used for commercial purposes;]
 - (d) "Bureau" means the Bureau of Energy Efficiency established under sub-section (1) of section 3:
 - (e) "Chairperson" means the Chairperson of the Governing Council;
 - (f) "designated agency" means any agency designated under clause (d) of section 15;
 - (g) "designated consumer" means any consumer specified under clause (e) of section 14;
 - (h) "energy" means any form of energy derived from fossil fuels, nuclear substances or materials, hydro-electricity and includes electrical energy or electricity generated from renewable sources of energy or bio-mass connected to the grid;
 - (i) "energy audit" means the verification, monitoring and analysis of use of energy including submission of technical report containing recommendations for improving energy efficiency with cost benefit analysis and an action plan to reduce energy consumption;
 - (f) "energy conservation building codes" means the norms and standards of energy consumption expressed in terms of per square metre of the area wherein energy is used and includes the location of the building:
 - (k) "energy consumption standards" means the norms for process and energy consumption standards specified under clause (a) of section 14;



 ²⁸th June, 2012 (sections 31, 33, 44, 45), vide notification No. S. O. 1433(E), dated 28th June, 2012, see Gazette of India. Extraordinary, Part II, sec. 3(11).

Subs. by Act 28 of 2010 s. 2, for "an auditor possessing qualifications specified under" (w.e.f. 24-8-2010). Vitender

^{3.} Subs. by s. 2, ibid., for "established under section 30" (w.e.f. 24-8-2010).

^{4.} Subs. by s. 2, ibid., for clause (c) (w.e.f. 24-8-2010).

- (I) "Energy Management Centre" means the Energy Management Centre set up under the Resolution of the Government of India in the erstwhile Ministry of Energy, Department of Power No. 7(2)/87- EP(Vol. IV), dated the 5th July, 1989 and registered under the Societies Registration Act, 1860 (21 of 1860);
- (m) "energy manager" means any individual possessing the qualifications prescribed under clause (m) of section 14;
- ¹[(ma) "energy savings certificate" means any energy savings certificate issued to the designated consumers under sub-section (1) of section 14A;
- (maa) "equipment or appliance" means any equipment or appliance which consumes, generates, transmits or supplies energy and includes any device that consumes any form of energy and produces a desired work;]
 - (n) "Governing Council" means the Governing Council referred to in section 4;
 - (o) "member" means the member of the Governing Council and includes the Chairperson;
- (p) "notification" means a notification in the Gazette of India or, as the case may be, the Official Gazette of a State;
 - (q) "prescribed" means prescribed by rules made under this Act;
 - (r) "regulations" means regulations made by the Bureau under this Act;
 - (s) "Schedule" means the Schedule to this Act;
- (t) "State Commission" means the State Electricity Regulatory Commission established under sub-section (1) of section 17 of the Electricity Regulatory Commissions Act, 1998 (14 of 1998);
- (u) words and expressions used and not defined in this Act but defined in the Indian Electricity Act, 1910 (9 of 1910) or the Electricity (Supply) Act, 1948 (54 of 1948) or the Electricity Regulatory Commissions Act, 1998 (14 of 1998) shall have the meanings respectively assigned to them in those Acts.

CHAPTER II

BUREAU OF ENERGY EFFICIENCY

- 3. Establishment and incorporation of Bureau of Energy Efficiency.—(1) With effect from such date as the Central Government may, by notification, appoint, there shall be established, for the purposes of this Act, a Bureau to be called the Bureau of Energy Efficiency.
- (2) The Bureau shall be a body corporate by the name aforesaid having perpetual succession and a common seal, with power subject to the provisions of this Act, to acquire, hold and dispose of property, both movable and immovable, and to contract, and shall, by the said name, sue or be sued.
 - (3) The head office of the Bureau shall be at Delhi.
 - (4) The Bureau may establish offices at other places in India.
- 4. Management of Bureau.—(I) The general superintendence, direction and management of the affairs of the Bureau shall vest in the Governing Council which shall consist of not less than twenty, but not exceeding twenty-six, members to be appointed by the Central Government.
 - (2) The Governing Council shall consist of the following members, namely:—
 - (a) the Minister in charge of the Ministry or Department of the Central Government dealing with the Power

ex officio Chairperson;

(b) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Power

ex officio member;

(c) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Petroleum and Natural Gas

ex officio member;

1. Ins. by Act of 28 of 2010, s. 2 (w.e.f. 24-8-2010).

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(d) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Coal

ex officio member:

(e) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Non-conventional Energy Sources

ex officio member;

(f) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Atomic Energy

ex officio member;

(g) the Secretary to the Government of India, in charge of the Ministry or Department of the Central Government dealing with the Consumer Affairs

ex officio member;

(h) Chairman of the Central Electricity Authority established under the Electricity (Supply) Act, 1948 (54 of 1948)

ex officio member;

(i) Director-General of the Central Power Research Institute registered under the Karnataka Societies Act, 1960 (Karnataka Act 17 of 1960)

ex officio member:

(f) Executive Director of the Petroleum Conservation Research Association, a society registered under the Societies Registration Act, 1860 (XXI of 1860)

ex officio member;

(k) Chairman-cum-Managing Director of the Central Mine Planning and Design Institute Limited, a company incorporated under the Companies Act, 1956 (1 of 1956)

ex officio member;

(/) Director-General of the Bureau of Indian Standards established under the Bureau of Indian Standards Act, 1986 (63 of 1986)

ex officio member:

(m) Director-General of the National Test House, Department of Supply, Ministry of Commerce and Industry, Kolkata

ex officio member;

(n) Managing Director of the Indian Renewable Energy Development Agency Limited. incorporated under the Companies Act, 1956 (1 of 1956)

ex officio member:

(o) one member each from the five power regions representing the States of the region to be appointed by the Central Government

member:

(p) such number of persons, not exceeding four as may be prescribed, to be appointed by the Central Government as members from amongst persons who are in the opinion of the Central Government capable of representing industry, equipment and appliance manufacturers, architects and consumers

member:

(q) such number of persons, not exceeding two as may be nominated by the Governing Council as members

member;

(r) Director-General of Bureau

ex officio membersecretary.

(3) The Governing Council may exercise all powers and do all acts and things which may be Sistender exercised or done by the Bureau.

- (4) Every member referred to in clauses (o), (p) and (q) of sub-section (2) shall hold office for a term of three years from the date on which he enters upon his office.
- (5) The fee and allowances to be paid to the members referred to in clauses (o), (p) and (q) of sub-section (2) and the manner of filling up of vacancies and the procedure to be followed in the discharge of their functions shall be such as may be prescribed.
- 5. Meetings of Governing Council.—(1) The Governing Council shall meet at such times and places, and shall observe such rules of procedure in regard to the transaction of business at its meetings (including quorum at such meetings) as may be provided by regulations.
- (2) The Chairperson or, if for any reason, he is unable to attend a meeting of the Governing Council, any other member chosen by the members present from amongst themselves at the meeting shall preside at the meeting.
- (3) All questions which come up before any meeting of the Governing Council shall be decided by a majority vote of the members present and voting, and in the event of an equality of votes, the Chairperson or in his absence, the person presiding, shall have a second or casting vote.
- 6. Vacancies, etc., not to invalidate proceedings of Bureau, Governing Council or Committee.— No act or proceeding of the Bureau or the Governing Council or any Committee shall be invalid merely by reason of—
 - (a) any vacancy in, or any defect in the constitution of, the Bureau or the Governing Council or the Committee; or
 - (b) any defect in the appointment of a person acting as a Director-General or Secretary of the Bureau or a member of the Governing Council or the Committee; or
 - (c) any irregularity in the procedure of the Bureau or the Governing Council or the Committee not affecting the merits of the case.
- Removal of member from office.—The Central Government shall remove a member referred to in clauses (o), (p) and (q) of sub-section (2) of section 4 from office if he—
 - (a) is, or at any time has been, adjudicated as insolvent;
 - (b) is of unsound mind and stands so declared by a competent court;
 - (c) has been convicted of an offence which, in the opinion of the Central Government, involves a moral turpitude;
 - (d) has, in the opinion of the Central Government, so abused his position as to render his continuation in office detrimental to the public interest:

Provided that no member shall be removed under this clause unless he has been given a reasonable opportunity of being heard in the matter.

- 8. Constitution of Advisory Committees and other committees.—(1) Subject to any regulations made in this behalf, the Bureau shall, within six months from the date of commencement of this Act, constitute Advisory Committees for the efficient discharge of its functions.
- (2) Each Advisory Committee shall consist of a Chairperson and such other members as may be determined by regulations.
- (3) Without prejudice to the powers contained in sub-section (1), the Bureau may constitute, such number of technical committees of experts for the formulation of energy consumption standards or norms in respect of equipment or processes, as it considers necessary.
- 9. Director-General of Bureau.—(1) The Central Government shall, by notification, appoint a Director-General from amongst persons of ability and standing, having adequate knowledge and experience in dealing with the matters relating to energy production, supply and energy management, standardisation and efficient use of energy and its conservation.
- (2) The Central Government shall, by notification, appoint any person not below the rank of Deputy Secretary to the Government of India as Secretary of the Bureau.

- (3) The Director-General shall hold office for a term of ¹[five years] from the date on which he enters upon his office or until he attains the age of sixty years, whichever is earlier.
- (4) The salary and allowances payable to the Director-General and other terms and conditions of his service and other terms and conditions of service of the Secretary of the Bureau shall be such as may be prescribed.
- (5) Subject to general superintendence, direction and management of the affairs by the Governing Council, the Director-General of the Bureau shall be the Chief Executive Authority of the Bureau.
- (6) The Director-General of the Bureau shall exercise and discharge such powers and duties of the Bureau as may be determined by regulations.
- 10. Officers and employees of Bureau.—(1) ²[The Bureau] may appoint such other officers and employees in the Bureau as it considers necessary for the efficient discharge of its functions under this Act.
- (2) The terms and conditions of service of officers and other employees of the Bureau appointed under sub-section (1) shall be such as may be prescribed.
- 11. Authentication of orders and decisions of Bureau.—All orders and decisions of the Bureau shall be authenticated by the signature of the Director-General or any other officer of the Bureau authorised by the Director-General in this behalf.

CHAPTER III

TRANSFER OF ASSETS, LIABILITIES, ETC., OF ENERGY MANAGEMENT CENTRE TO BUREAU

- 12. Transfer of assets, liabilities and employees of Energy Management Centre.—(1) On and from the date of establishment of the Bureau—
 - (a) any reference to the Energy Management Centre in any law other than this Act or in any contract or other instrument shall be deemed as a reference to the Bureau;
 - (b) all properties and assets, movable and immovable of, or belonging to, the Energy Management Centre shall vest in the Bureau;
 - (c) all the rights and liabilities of the Energy Management Centre shall be transferred to, and be the rights and liabilities of, the Bureau;
 - (d) without prejudice to the provisions of clause (c), all debts, obligations and liabilities incurred, all contracts entered into and all matters and things engaged to be done by, with or for the Energy Management Centre immediately before that date, for or in connection with the purposes of the said Centre shall be deemed to have been incurred, entered into, or engaged to be done by, with or for, the Bureau;
 - (e) all sums of money due to the Energy Management Centre immediately before that date shall be deemed to be due to the Bureau;
 - (f) all suits and other legal proceedings instituted or which could have been instituted by or against the Energy Management Centre immediately before that date may be continued or may be instituted by or against the Bureau; and
 - (g) every employee holding any office under the Energy Management Centre immediately before that date shall hold his office in the Bureau by the same tenure and upon the same terms and conditions of service as respects remuneration, leave, provident fund, retirement or other terminal benefits as he would have held such office if the Bureau had not been established and shall continue to do so as an employee of the Bureau or until the expiry of six months from that date if such employee opts not to be the employee of the Bureau within such period.
- (2) Notwithstanding anything contained in the Industrial Disputes Act, 1947 (14 of 1947) or in any other law for the time being in force, the absorption of any employee by the Bureau in its regular service under this section shall not entitle such employee to any compensation under that Act or other law and no such claim shall be entertained by any court, tribunal or other authority.

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^{1.} Subs. by Act 28 of 2010 s. 3, for "three years" (w.e.f. 24-8-2010),

^{2.} Subs. by s. 4, ibid., for "The Central Government" (w.e.f. 24-8-2010).

CHAPTER IV

POWERS AND FUNCTIONS OF BUREAU

- 13. Powers and functions of Bureau.—(1) The Bureau shall, effectively co-ordinate with designated consumers, designated agencies and other agencies, recognise and utilise the existing resources and infrastructure, in performing the functions assigned to it by or under this Act.
- (2) The Bureau may perform such functions and exercise such powers as may be assigned to it by or under this Act and in particular, such functions and powers include the function and power to—
 - (a) recommend to the Central Government the norms for processes and energy consumption standards required to be notified under clause (a) of section 14;
 - '[(aa) recommend to the Central Government for issuing of the energy savings certificate under section 14A;]
 - (b) recommend to the Central Government the particulars required to be displayed on label on equipment or on appliances and manner of their display under clause (d) of section 14;
 - (c) recommend to the Central Government for notifying any user or class of users of energy as a designated consumer under clause (e) of section 14;
 - (d) take suitable steps to prescribe guidelines for energy conservation building codes under clause
 (p) of section 14;
 - (e) take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;
 - (f) arrange and organise training of personnel and specialists in the techniques for efficient use of energy and its conservation;
 - (g) strengthen consultancy services in the field of energy conservation;
 - (h) promote research and development in the field of energy conservation;
 - (i) develop testing and certification procedure and promote testing facilities for certification and testing for energy consumption of equipment and appliances;
 - (j) formulate and facilitate implementation of pilot projects and demonstration projects for promotion of efficient use of energy and its conservation;
 - (k) promote use of energy efficient processes, equipment, devices and systems;
 - (1) promote innovative financing of energy efficiency projects:
 - (m) give financial assistance to institutions for promoting efficient use of energy and its conservation;
 - (n) levy fee, as may be determined by regulations, for services provided for promoting efficient use of energy and its conservation;
 - (o) maintain a list of accredited energy auditors as may be specified by regulations;
 - ²[(p) specify, by regulations, the qualifications, criteria and conditions subject to which a person may be accredited as an energy auditor and the procedure for such accreditation;]
 - (q) specify, by regulations, the manner and intervals of time in which the energy audit shall be conducted:
 - (r) specify, by regulations, certification procedures for ³[energy auditors and energy managers] to be designated or appointed by designated consumers;
 - (s) prepare educational curriculum on efficient use of energy and its conservation for educational
 institutions, boards, universities or autonomous bodies and coordinate with them for inclusion of such
 curriculum in their syllabus;
 - '[(sa) conduct examination for capacity building and strengthening of services in the field of energy conservation including certification of energy managers and energy auditors;]

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^{1.} Ins. by Act of 28 of 2010, s. 5 (w.e.f. 24-8-2010).

Subs. by s. 5, ibid., for clause (p) (w.e.f. 24-8-2010).

^{3.} Subs. by s. 5, ibid., for "energy managers" (w.e.f. 24-8-2010).

- (t) implement international co-operation programmes relating to efficient use of energy and its conservation as may be assigned to it by the Central Government;
 - (u) perform such other functions as may be prescribed.

CHAPTER V

POWER OF CENTRAL GOVERNMENT TO FACILITATE AND ENFORCE EFFICIENT USE OF ENERGY AND ITS CONSERVATION

- 14. Power of Central Government to enforce efficient use of energy and its conservation.—The Central Government may, by notification, in consultation with the Bureau,—
 - (a) specify the norms for processes and energy consumption standards for any equipment, appliance which consumes, generates, transmits or supplies energy;
 - (b) specify equipment or appliance or class of equipments or appliances, as the case may be, for the purposes of this Act;
 - (c) prohibit manufacture or sale or purchase or import of equipment or appliance specified under clause (b), unless such equipment or appliance conforms to energy consumption standards:

¹[Provided that no notification prohibiting manufacture or sale or purchase or import of equipment or appliance shall be issued within a period of six months from the date of notification issued under clause (a) of this section:

Provided further that the Central Government may, having regard to the market share and the technological development having impact on equipment or appliance, and for reasons to be recorded in writing, extend the said period of six months referred to in the first proviso by a further period not exceeding six months;]

- (d) direct display of such particulars on label on equipment or on appliance specified under clause (b) and in such manner as may be specified by regulations;
- (e) specify, having regard to the intensity or quantity of energy consumed and the amount of investment required for switching over to energy efficient equipments and capacity of industry to invest in it and availability of the energy efficient machinery and equipment required by the industry, ²[any user or class of users of energy in the energy intensive industries and other establishments as specified in the Schedule as a designated consumer] for the purposes of this Act;
 - (f) alter the list of Energy Intensive Industries specified in the Schedule;
- (g) establish and prescribe such energy consumption norms and standards for designated consumers as it may consider necessary:

Provided that the Central Government may prescribe different norms and standards for different designated consumers having regard to such factors as may be prescribed;

- (h) direct, having regard to quantity of energy consumed or the norms and standards of energy consumption specified under clause (a), the Energy Intensive Industries specified in the Schedule to get energy audit conducted by an accredited energy auditor in such manner and intervals of time as may be specified by regulations;
- (i) direct, if considered necessary for efficient use of energy and its conservation, any designated consumer to get energy audit conducted by an accredited energy auditor;
- (j) specify the matters to be included for the purposes of inspection under sub-section (2) of section 17;
- (k) direct any designated consumer to furnish to the designated agency, in such form and manner and within such period, as may be prescribed, the information with regard to the energy consumed and action taken on the recommendation of the accredited energy auditor;
- (1) direct any designated consumer to designate or appoint energy manager in charge of activities for efficient use of energy and its conservation and submit a report, in the form and manner as may be

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^{1.} Subs. by Act 28 of 2010, s. 6, for the proviso (w.e.f. 24-8-2010).

^{2.} Subs. by s. 6, ibid., for "any user or class of users of energy as a designated consumer" (w.e.f. 24-8-2010).

prescribed, on the status of energy consumption at the end of every financial year to the designated agency;

- (m) prescribe minimum qualification for ¹[energy auditors and energy managers] to be designated or appointed under clause (l);
 - (n) direct every designated consumer to comply with energy consumption norms and standards;
- (o) direct any designated consumer, who does not fulfil the energy consumption norms and standards prescribed under clause (g), to prepare a scheme for efficient use of energy and its conservation and implement such scheme keeping in view the economic viability of the investment in ²[such form, the time within which and the manner] as may be prescribed;
- (p) prescribe energy conservation building codes for efficient use of energy and its conservation in the building or building complex;
- (q) amend the energy conservation building codes to suit the regional and local climatic conditions;
- (r) direct every owner or occupier of the building or building complex, being a designated consumer to comply with the provisions of energy conservation building codes for efficient use of energy and its conservation;
- (s) direct, any designated consumer referred to in clause (r), if considered necessary, for efficient use of energy and its conservation in his building to get energy audit conducted in respect of such building by an accredited energy auditor in such manner and intervals of time as may be specified by regulations;
- (t) take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;
- (u) arrange and organise training of personnel and specialists in the techniques for efficient use of energy and its conservation;
- (v) take steps to encourage preferential treatment for use of energy efficient equipment or appliances:

Provided that the powers under clauses (p) to (s) shall be exercised in consultation with the concerned State.

- ³[14A. Power of Central Government to issue energy savings certificate.—(/) The Central Government may issue the energy savings certificate to the designated consumer whose energy consumption is less than the prescribed norms and standards in accordance with the procedure as may be prescribed.
- (2) The designated consumer whose energy consumption is more than the prescribed norms and standards shall be entitled to purchase the energy savings certificate to comply with the prescribed norms and standards.
- 14B. Power of Central Government to specify value of energy.—The Central Government may, in consultation with the Bureau, prescribe the value of per metric ton of oil equivalent of energy consumed for the purposes of this Act.]

CHAPTER VI

POWER OF STATE GOVERNMENT TO FACILITATE AND ENFORCE EFFICIENT USE OF ENERGY AND ITS CONSERVATION

- 15. Power of State Government to enforce certain provisions for efficient use of energy and its conservation.—The State Government may, by notification, in consultation with the Bureau—
 - (a) amend the energy conservation building codes to suit the regional and local climatic conditions and may, by rules made by it, specify and notify energy conservation building codes with respect to use of energy in the buildings;

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^{1.} Subs. by Act 28 of 2010, s. 6, for "energy managers" (w.e.f. 24-8-2010).

Subs. by s. 6, ibid., for "such form and manner" (w.e.f. 24-8-2010).

^{3.} Ins. by s. 7, ibid. (w.e.f. 24-8-2010).

- (b) direct every owner or occupier of a building or building complex being a designated consumer to comply with the provisions of the energy conservation building codes;
- (c) direct, if considered necessary for efficient use of energy and its conservation, any designated consumer referred to in clause (b) to get energy audit conducted by an accredited energy auditor in such manner and at such intervals of time as may be specified by regulations;
- (d) designate any agency as designated agency to coordinate, regulate and enforce provisions of this Act within the State;
- (e) take all measures necessary to create awareness and disseminate information for efficient use of energy and its conservation;
- (f) arrange and organise training of personnel and specialists in the techniques for efficient use of energy and its conservation;
- (g) take steps to encourage preferential treatment for use of energy efficient equipment or appliances;
- (h) direct, any designated consumer to furnish to the designated agency, in such form and manner and within such period as may be specified by rules made by it, information with regard to the energy consumed by such consumer;
- (i) specify the matters to be included for the purposes of inspection under sub-section (2) of section 17.
- 16. Establishment of Fund by State Government.—(1) The State Government shall constitute a Fund to be called the State Energy Conservation Fund for the purposes of promotion of efficient use of energy and its conservation within the State.
- (2) To the Fund shall be credited all grants and loans that may be made by the State Government or, Central Government or any other organisation or individual for the purposes of this Act.
- (3) The Fund shall be applied for meeting the expenses incurred for implementing the provisions of this Act.
- (4) The Fund created under sub-section (1) shall be administered by such persons or any authority and in such manner as may be specified in the rules made by the State Government.
- 17. Power of inspection.—(1) The designated agency may appoint, after the expiry of five years from the date of commencement of this Act, as many inspecting officers as may be necessary for the purpose of ensuring compliance with energy consumption standards specified under clause (a) of section 14 or ensure display of particulars on label on equipment or appliance specified under clause (b) of section 14 or for the purpose of performing such other functions as may be assigned to them.
 - (2) Subject to any rules made under this Act, an inspecting officer shall have power to-
 - (a) inspect any operation carried on or in connection with the equipment or appliance specified under clause (b) of section 14 or in respect of which energy standards under clause (a) of section 14 have been specified;
 - (b) enter any place of designated consumer at which the energy is used for any activity and may require any proprietor, employee, director, manager or secretary or any other person who may be attending in any manner to or helping in, carrying on any activity with the help of energy—
 - (i) to afford him necessary facility to inspect—
 - (A) any equipment or appliance as he may require and which may be available at such place;
 - (B) any production process to ascertain the energy consumption norms and standards;
 - (ii) to make an inventory of stock of any equipment or appliance checked or verified by him;

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- (iii) to record the statement of any person which may be useful for, or relevant to, for efficient use of energy and its conservation under this Act.
- (3) An inspecting officer may enter any place of designated consumer-
 - (a) where any activity with the help of energy is carried on; and
- (b) where any equipment or appliance notified under clause (b) of section 14 has been kept, during the hours at which such place is open for production or conduct of business connected therewith.
- (4) An inspecting officer acting under this section shall, on no account, remove or cause to be removed from the place wherein he has entered, any equipment or appliance or books of account or other documents.
- 18. Power of Central Government or State Government to issue directions.—The Central Government or the State Government may, in the exercise of its powers and performance of its functions under this Act and for efficient use of energy and its conservation, issue such directions in writing as it deems fit for the purposes of this Act to any person, officer, authority or any designated consumer and such person, officer or authority or any designated consumer shall be bound to comply with such directions.

Explanation.—For the avoidance of doubts, it is hereby declared that the power to issue directions under this section includes the power to direct—

- (a) regulation of norms for process and energy consumption standards in any industry or building or building complex; or
 - (b) regulation of the energy consumption standards for equipment and appliances.

CHAPTER VII

FINANCE, ACCOUNTS AND AUDIT OF BUREAU

- 19. Grants and loans by Central Government.—The Central Government may, after due appropriation made by Parliament by law in this behalf, make to the Bureau or to the State Governments grants and loans of such sums of money as the Central Government may consider necessary.
- 20. Establishment of Fund by Central Government,—(I) There shall be constituted a Fund to be called as the Central Energy Conservation Fund and there shall be credited thereto—
 - (a) any grants and loans made to the Bureau by the Central Government under section 19;
 - (b) all fees received by the Bureau under this Act;
 - (c) all sums received by the Bureau from such other sources as may be decided upon by the Central Government.
 - (2) The Fund shall be applied for meeting—
 - (a) the salary, allowances and other remuneration of Director-General, Secretary, officers and other employees of the Bureau;
 - (b) expenses of the Bureau in the discharge of its functions under section 13:
 - (c) fee and allowances to be paid to the members of the Governing Council under sub-section (5) of section 4;
 - (d) expenses on objects and for purposes authorised by this Act.
- 21. Borrowing powers of Bureau.—(1) The Bureau may, with the consent of the Central Government or in accordance with the terms of any general or special authority given to it by the Central Government, borrow money from any source as it may deem fit for discharging all or any of its functions under this Act.
- (2) The Central Government may guarantee, in such manner as it thinks fit, the repayment of the principal and the payment of interest thereon with respect to the loans borrowed by the Bureau under sub-section (1).

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- 22. Budget.—The Bureau shall prepare, in such form and at such time in each financial year as may be prescribed, its budget for the next financial year, showing the estimated receipts and expenditure of the Bureau and forward the same to the Central Government.
- 23. Annual report.—The Bureau shall prepare, in such form and at such time in each financial year as may be prescribed, its annual report, giving a full account of its activities during the previous financial year, and submit a copy thereof to the Central Government.
- 24. Annual report to be laid before Parliament.—The Central Government shall cause the annual report referred to in section 23 to be laid, as soon as may be after it is received, before each House of Parliament.
- 25. Accounts and audit.—(I) The Bureau shall maintain proper accounts and other relevant records and prepare an annual statement of accounts in such form as may be prescribed by the Central Government in consultation with the Comptroller and Auditor-General of India.
- (2) The accounts of the Bureau shall be audited by the Comptroller and Auditor-General of India at such intervals as may be specified by him and any expenditure incurred in connection with such audit shall be payable by the Bureau to the Comptroller and Auditor-General.
- (3) The Comptroller and Auditor-General of India and any other person appointed by him in connection with the audit of the accounts of the Bureau shall have the same rights and privileges and authority in connection with such audit as the Comptroller and Auditor-General generally has in connection with the audit of the Government accounts, and in particular, shall have the right to demand the production of books, accounts, connected vouchers and other documents and papers and to inspect any of the offices of the Bureau.
- (4) The accounts of the Bureau as certified by the Comptroller and Auditor-General of India or any other person appointed by him in this behalf together with the audit report thereon shall be forwarded annually to the Central Government and that Government shall cause the same to be laid before each House of Parliament.

CHAPTER VIII

PENALTIES AND ADJUDICATION

26. Penalty.—(1) If any person fails to comply with the provisions of clause (c) or clause (d) or clause (h) or clause (i) or clause (k) or clause (j) or clause (j) or clause (k) or clause (k) or clause (j) or clause (k) or cl

Provided that no person shall be liable to pay penalty within five years from the date of commencement of this Act.

- ⁴[(1A) If any person fails to comply with the provisions of clause (n) of section 14, he shall be liable to a penalty which shall not exceed ten lakh rupees and, in the case of continuing failure, with an additional penalty which shall not be less than the price of every metric ton of oil equivalent of energy, prescribed under this Act, that is in excess of the prescribed norms.]
- (2) Any amount payable under this section, if not paid, may be recovered as if it were an arrear of land revenue.
- 27. Power to adjudicate.—(1) For the purpose of adjudging under section 26, the State Commission shall appoint any of its members to be an adjudicating officer for holding an inquiry in such manner as may be prescribed by the Central Government, after giving any person concerned a reasonable opportunity of being heard for the purpose of imposing any penalty.
- (2) While holding an inquiry, the adjudicating officer shall have power to summon and enforce the attendance of any person acquainted with the facts and circumstances of the case to give evidence or produce any document which in the opinion of the adjudicating officer, may be useful for or relevant to

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^{1.} The words, brackets and letter "or clause (n)" omitted by Act of 28 of 2010, s. 8 (w.e.f. 24-8-2010).

^{2.} Subs. by s. 8, ibid., for "ten thousand rupees" (w.e.f. 24-8-2010).

Subs. by s. 8, ibid., for "one thousand rupees" (w.e.f. 24-8-2010).

^{4.} Ins. by s. 8, ibid. (w.c.f. 24-8-2010).

the subject-matter of the inquiry, and if, on such inquiry, he is satisfied that the person has failed to comply with the provisions of any of the clauses of the sections specified in section 26, he may impose such penalty as he thinks fit in accordance with the provisions of any of those clauses of that section:

Provided that where a State Commission has not been established in a State, the Government of that State shall appoint any of its officer not below the rank equivalent to a Secretary dealing with legal affairs in that State to be an adjudicating officer for the purposes of this section and such officer shall cease to be an adjudicating officer immediately on the appointment of an adjudicating officer by the State Commission on its establishment in that State:

Provided further that where an adjudicating officer appointed by a State Government ceased to be an adjudicating officer, he shall transfer to the adjudicating officer appointed by the State Commission all matters being adjudicated by him and thereafter the adjudicating officer appointed by the State Commission shall adjudicate the penalties on such matters.

- 28. Factors to be taken into account by adjudicating officer.—While adjudicating the quantum of penalty under section 26, the adjudicating officer shall have due regard to the following factors, namely:—
 - (a) the amount of disproportionate gain or unfair advantage, wherever quantifiable, made as a result of the default;
 - (b) the repetitive nature of the default.
- 29. Civil court not to have jurisdiction.—No civil court shall have jurisdiction to entertain any suit or proceeding in respect of any matter which an adjudicating officer appointed under this Act or the Appellate Tribunal is empowered by or under this Act to determine and no injunction shall be granted by any court or other authority in respect of any action taken or to be taken in pursuance of any power conferred by or under this Act.

CHAPTER IX

APPELLATE TRIBUNAL FOR ENERGY CONSERVATION

- ¹[30. Appellate Tribunal.—The Appellate Tribunal established under section 110 of the Electricity Act, 2003 (36 of 2003) shall, without prejudice to the provisions of the Electricity Act, 2003, be the Appellate Tribunal for the purposes of this Act and hear appeals against the orders of the adjudicating officer or the Central Government or the State Government or any other authority under this Act.]
- 31. Appeal to Appellate Tribunal.—(1) Any person aggrieved, by an order made by an adjudicating officer or the Central Government or the State Government or any other authority under this Act, may prefer an appeal to the Appellate Tribunal for Energy Conservation:

Provided that any person, appealing against the order of the adjudicating officer levying any penalty, shall, while filing the appeal, deposit the amount of such penalty:

Provided further that where in any particular case, the Appellate Tribunal is of the opinion that the deposit of such penalty would cause undue hardship to such person, the Appellate Tribunal may dispense with such deposit subject to such conditions as it may deem fit to impose so as to safeguard the realisation of penalty.

(2) Every appeal under sub-section (1) shall be filed within a period of forty-five days from the date on which a copy of the order made by the adjudicating officer or the Central Government or the State Government or any other authority is received by the aggrieved person and it shall be in such form, verified in such manner and be accompanied by such fee as may be prescribed:

Provided that the Appellate Tribunal may entertain an appeal after the expiry of the said period of forty-five days if it is satisfied that there was sufficient cause for not filing it within that period.

(3) On receipt of an appeal under sub-section (/), the Appellate Tribunal may, after giving the parties to the appeal an opportunity of being heard, pass such orders thereon as it thinks fit, confirming, modifying or setting aside the order appealed against.

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- (4) The Appellate Tribunal shall send a copy of every order made by it to the parties to the appeal and to the concerned adjudicating officer or the Central Government or the State Government or any other authority.
- (5) The appeal filed before the Appellate Tribunal under sub-section (1) shall be dealt with by it as expeditiously as possible and endeavour shall be made by it to dispose of the appeal finally within one hundred and eighty days from the date of receipt of the appeal:

Provided that where an appeal could not be disposed of within the said period of one hundred and eighty days, the Appellate Tribunal shall record its reasons in writing for not disposing of the appeal within the said period.

- (6) The Appellate Tribunal may, for the purpose of examining the legality, propriety or correctness of any order made by the adjudicating officer or the Central Government or the State Government or any other authority under this Act, as the case may be, in relation to any proceeding, on its own motion or otherwise, call for the records of such proceedings and make such order in the case as it thinks fit.
- ¹[31A. Procedure and powers of Appellate Tribunal.—The provisions of sections 120 to 123 (both inclusive) of the Electricity Act, 2003 (36 of 2003) shall, mutatis mutandis, apply to the Appellate Tribunal in the discharge of its functions under this Act as they apply to it in the discharge of its function under the Electricity Act, 2003.]
- 32. Composition of Appellate Tribunal. [Omitted by the Energy Conservation (Amendment) Act, 2010 (28 of 2010), s.11 (w.e.f. 24-8-2010)].
- 33. Qualifications for appointment of Chairperson and Members of Appellate Tribunal. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
 - 34. Term of office. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
 - 35. Terms and conditions of service. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
 - Vacancies. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
 - 37. Resignation and removal. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
- 38. Member to act as Chairperson in certain circumstances. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
 - 39. Staff of Appellate Tribunal. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
 - 40. Procedure and powers of Appellate Tribunal. [Omitted by s. 11, ibid. (w.e.f. 24-8-2010)].
 - 41. Distribution of business amongst Benches. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
 - 42. Power of Chairperson to transfer cases. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
 - 43. Decision to be by majority. [Omitted by s.11, ibid. (w.e.f. 24-8-2010)].
- 44. Right of appellant to take assistance of legal practitioner or accredited auditor and of Government to appoint presenting officers.—(1) A person preferring an appeal to the Appellate Tribunal under this Act may either appear in person or take the assistance of a legal practitioner or an accredited energy auditor of his choice to present his case before the Appellate Tribunal, as the case may be.
- (2) The Central Government or the State Government may authorise one or more legal practitioners or any of its officers to act as presenting officers and every person so authorised may present the case with respect to any appeal before the Appellate Tribunal, as the case may be.
- 45. Appeal to Supreme Court.—Any person aggrieved by any decision or order of the Appellate Tribunal, may, file an appeal to the Supreme Court within sixty days from the date of communication of

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^{1.} Ins. by Act 28 of 2010, s. 10 (w.c.f. 24-8-2010).

the decision or order of the Appellate Tribunal to him, on any one or more of the grounds specified in section 100 of the Code of Civil Procedure, 1908 (5 of 1908):

Provided that the Supreme Court may, if it is satisfied that the appellant was prevented by sufficient cause from filing the appeal within the said period, allow it to be filed within a further period not exceeding sixty days.

CHAPTER X

MISCELLANEOUS

46. Power of Central Government to issue directions to Bureau.—(1) Without prejudice to the foregoing provisions of this Act, the Bureau shall, in exercise of its powers or the performance of its functions under this Act, be bound by such directions on questions of policy as the Central Government may give in writing to it from time to time:

Provided that the Bureau shall, as far as practicable, be given an opportunity to express its views before any direction is given under this sub-section.

- (2) The decision of the Central Government, whether a question is one of policy or not, shall be final.
- 47. Power of Central Government to supersede Bureau.—(I) If at any time the Central Government is of opinion—
 - (a) that on account of grave emergency, the Bureau is unable to discharge the functions and duties imposed on it by or under the provisions of this Act; or
 - (b) that the Bureau has persistently made default in complying with any direction issued by the Central Government under this Act or in discharge of the functions and duties imposed on it by or under the provisions of this Act and as a result of such default, the financial position of the Bureau had deteriorated or the administration of the Bureau had deteriorated; or
 - (c) that circumstances exist which render it necessary in the public interest so to do, the Central Government may, by notification, supersede the Bureau for such period, not exceeding six months, as may be specified in the notification.
 - (2) Upon the publication of a notification under sub-section (1) superseding the Bureau,-
 - (a) all the members referred to in clauses (o), (p) and (q) of sub-section (2) of section 4 shall, as from the date of supersession, vacate their offices as such;
 - (b) all the powers, functions and duties which may, by or under the provisions of this Act, be exercised or discharged by or on behalf of the Bureau, shall until the Bureau is reconstituted under sub-section (3), be exercised and discharged by such person or persons as the Central Government may direct; and
 - (c) all property owned or controlled by the Bureau shall, until the Bureau is reconstituted under sub-section (3), vest in the Central Government.
- (3) On the expiration of the period of supersession specified in the notification issued under sub-section (1), the Central Government may reconstitute the Bureau by a fresh appointment and in such case any person or persons who vacated their offices under clause (a) of sub-section (2), shall not be deemed disqualified for appointment:

Provided that the Central Government may, at any time, before the expiration of the period of supersession, take action under this sub-section.

- (4) The Central Government shall cause a notification issued under sub-section (I) and a full report of any action taken under this section and the circumstances leading to such action to be laid before each House of Parliament at the earliest.
- 48. Default by companies.—(1) Where a company makes a default in complying with the provisions of clause (c) or clause (d) or clause (h) of section 14 or clause (h) or clause (h) of section 15, every person who at the time of such contravention was in charge of, and was responsible to the company for the conduct of the business of the company, as well as the company, shall be deemed to have acted in contravention of the

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said provisions and shall be liable to be proceeded against and imposed penalty under section 26 accordingly;

Provided that nothing contained in this sub-section shall render any such person liable for penalty provided in this Act if he proves that the contravention of the aforesaid provisions was committed without his knowledge or that he exercised all due diligence to prevent the contravention of the aforesaid provision.

(2) Notwithstanding anything contained in sub-section (I), where any contravention of the provisions of clause (c) or clause (d) or clause (h) or clause (i) or clause (k) or clause (l) or clause (n) or clause (r) or clause (s) of section 14 or clause (b) or clause (c) or clause (h) of section 15 has been committed with the consent or connivance of, or is attributable to, any neglect on the part of, any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also be deemed to have contravened the said provisions and shall be liable to be proceeded for imposition of penalty accordingly.

Explanation.—For the purposes of this section, "company" means a body corporate and includes a firm or other association of individuals.

- 49. Exemption from tax on income.—Notwithstanding anything contained in the Income-tax Act, 1961 (43 of 1961) or any other enactment for the time being in force relating to tax on income, profits or gains—
 - (a) the Bureau;
 - (b) the existing Energy Management Centre from the date of its constitution to the date of establishment of the Bureau,

shall not be fiable to pay any income-tax or any tax in respect of their income, profits or gains derived.

- 50. Protection of action taken in good faith.—No suit, prosecution or other legal proceeding shall lie against the Central Government or Director-General or Secretary or State Government or any officer of those Governments or State Commission or its members or any member or officer or other employee of the Bureau for anything which is in good faith done or intended to be done under this Act or the rules or regulations made thereunder.
- 51. Delegation.—The Bureau may, by general or special order in writing, delegate to any member, member of the committee, officer of the Bureau or any other person subject to such conditions, if any, as may be specified in the order, such of its powers and functions under this Act (except the powers under section 58) as it may deem necessary.
- 52. Power to obtain information.—Every designated consumer or manufacturer of equipment or appliance specified under clause (b) of section 14 shall supply the Bureau with such information, and with such samples of any material or substance used in relation to any equipment or appliance, as the Bureau may require.
- 53. Power to exempt.—If the Central Government or the State Government is of the opinion that it is necessary or expedient so to do in the public interest, it may, by notification and subject to such conditions as may be specified in the notification, exempt any designated consumer or class of designated consumers from application of all or any of the provisions of this Act:

Provided that the Central Government or the State Government, as the case may be, shall not grant exemption to any designated consumer or class of designated consumers for a period exceeding five years:

Provided further that the Central Government or the State Government, as the case may be, shall consult the Bureau of Energy Efficiency before granting such exemption.

54. Chairperson, Members, officers and employees of the Appellate Tribunal, Members of State Commission, Director-General, Secretary, members, officers and employees of the Bureau to be public servants.—The *** members, Director-General, Secretary, officers and other employees of the Bureau shall be deemed, when acting or purporting to act in pursuance of any of the provisions of this Act, to be public servants within the meaning of section 21 of the Indian Penal Code (45 of 1860).

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Certain words omitted by Act of 28 of 2010, s. 12 (w.e.f. 24-8-2010).

- 55. Power of Central Government to issue directions.—The Central Government may give directions to a State Government or the Bureau as to carrying out into execution of this Act in the State.
- 56. Power of Central Government to make rules.—(1) The Central Government may, by notification, make rules for carrying out the provisions of this Act.
- (2) In particular, and without prejudice to the generality of the foregoing power, such rules may provide for all or any of the following matters, namely:—
 - (a) such number of persons to be appointed as members by the Central Government under clauses
 (o), (p) and (q) of sub-section (2) of section 4;
 - (b) the fee and allowances to be paid to the members under sub-section (5) of section 4;
 - (c) the salary and allowances payable to the Director-General and other terms and conditions of his service and other terms and conditions of service of the Secretary of the Bureau under sub-section (4) of section 9;
 - (d) the terms and conditions of service of officers and other employees of the Bureau under sub-section (2) of section 10;
 - (e) performing such other functions by the Bureau, as may be prescribed, under clause (u) of sub-section (2) of section 13;
 - (f) the energy consumption norms and standards for designated consumers under clause (g) of section 14;
 - (g) prescribing the different norms and standards for different designated consumers under the proviso to clause (g) of section 14;
 - (h) the form and manner and the time within which information with regard to energy consumed and the action taken on the recommendations of the accredited energy auditor be furnished under clause (k) of section 14;
 - (i) the form and manner in which the status of energy consumption be submitted under clause (i) of section 14;
 - (j) the minimum qualifications for [energy auditors and energy managers] under clause (m) of section 14;
 - (k) the form and manner for preparation of scheme and its implementation under clause (o) of section 14;
 - (1) the energy conservation building codes under clause (p) of section 14;
 - ²[(la) prescribing the procedure for issuing the energy savings certificate under sub-section (1) of section 14A;
 - (laa) the value of per metric ton of oil equivalent of energy consumed under section 14B;]
 - (m) the matters relating to inspection under sub-section (2) of section 17;
 - (n) the form in which, and the time at which, the Bureau shall prepare its budget under section 22;
 - (o) the form in which, and the time at which, the Bureau shall prepare its annual report under section 23;
 - (p) the form in which the accounts of the Bureau shall be maintained under section 25;
 - (q) the manner of holding inquiry under sub-section (1) of section 27;
 - (r) the form and fee for filing appeal under sub-section (2) of section 31;

Subs. by Act 28 of 2010, s. 13, for "energy managers" (w.e.f. 24-8-2010).

2. Ins. by s. 13, ibid. (w.e.f. 24-8-2010).

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^{3.} Cls. (s), (t) and (u) omitted by s. 13, ibid. (w.e.f. 24-8-2010).

- (v) any other matter which is to be, or may be, prescribed, or in respect of which provision is to be made, or may be made, by rules.
- 57. Power of State Government to make rules.—(1) The State Government may, by notification, make rules for carrying out the provisions of this Act and not inconsistent with the rules, if any, made by the Central Government.
- (2) In particular, and without prejudice to the generality of the foregoing power, such rules may provide for all or any of the following matters, namely:—
 - (a) energy conservation building codes under clause (a) of section 15;
 - (b) the form, the manner and the period within which information with regard to energy consumption shall be furnished under clause (h) of section 15;
 - (c) the person or any authority who shall administer the Fund and the manner in which the Fund shall be administered under sub-section (4) of section 16;
 - (d) the matters to be included for the purposes of inspection under sub-section (2) of section 17;
 - (e) any other matter which is to be, or may be, prescribed, or in respect of which provision is to be made, or may be made, by rules.
- 58. Power of Bureau to make regulations.—(/) The Bureau may, with the previous approval of the Central Government and subject to the condition of previous publication, by notification, make regulations not inconsistent with the provisions of this Act and the rules made thereunder to carry out the purposes of this Act.
- (2) In particular, and without prejudice to the generality of the foregoing power, such regulations may provide for all or any of the following matters, namely:—
 - (a) the times and places of the meetings of the Governing Council and the procedure to be followed at such meetings under sub-section (1) of section 5;
 - (b) the members of advisory committees constituted under sub-section (2) of section 8;
 - (c) the powers and duties that may be exercised and discharged by the Director-General of the Bureau under sub-section (6) of section 9;
 - (d) the levy of fee for services provided for promoting efficient use of energy and its conservation under clause (n) of sub-section (2) of section 13;
 - (e) the list of accredited energy auditors under clause (o) of sub-section (2) of section 13;
 - ¹[(f) the qualifications, criteria and conditions subject to which a person may be accredited as an energy auditor and the procedure for such accreditation under clause (p) of sub-section (2) of section 13;]
 - (g) the manner and the intervals of time in which the energy audit shall be conducted under clause(q) of sub-section (2) of section 13;
 - (h) certification procedure for ²[energy auditors and energy managers] under clause (r) of sub-section (2) of section 13;
 - (i) particulars required to be displayed on label and the manner of their display under clause (d) of section 14;
 - (j) the manner and the intervals of time for conduct of energy audit under clause (h) or clause (s) of section 14;
 - (k) the manner and the intervals of time for conducting energy audit by an accredited energy auditor under clause (c) of section 15;
 - (1) any other matter which is required to be, or may be, specified.
- 59. Rules and regulations to be laid before Parliament and State Legislature.—(/) Every rule made by the Central Government and every regulation made under this Act shall be laid, as soon as may

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^{1.} Subs. by Act 28 of 2010, s. 14, for clause (f) (w.e.f. 24-8-2010).

^{2.} Subs. by s. 14, ibid., for "energy managers" (w.e.f. 24-8-2010).

be after it is made, before each House of Parliament while it is in session, for a total period of thirty days which may be comprised in one session or in two or more successive sessions, and if, before the expiry of the session immediately following the session or the successive sessions aforesaid, both Houses agree in making any modification in the rule or regulation, or both Houses agree that the rule or regulation should not be made, the rule or regulation shall thereafter have effect only in such modified form or be of no effect, as the case may be; so, however, that any such modification or annulment shall be without prejudice to the validity of anything previously done under that rule or regulation.

- (2) Every rule made by the State Government shall be laid, as soon as may be after it is made, before each House of the State Legislature where it consists of two Houses, or where such Legislature consists of one House, before that House.
- 60. Application of other laws not barred.—The provisions of this Act shall be in addition to, and not in derogation of, the provisions of any other law for the time being in force.
- 61. Provisions of Act not to apply in certain cases.—The provisions of this Act shall not apply to the Ministry or Department of the Central Government dealing with Defence, Atomic Energy or such other similar Ministries or Departments or undertakings or Boards or institutions under the control of such Ministries or Departments as may be notified by the Central Government.
- 62. Power to remove difficulty.—(1) If any difficulty arises in giving effect to the provisions of this Act, the Central Government may, by order, published in the Official Gazette, make such provisions not inconsistent with the provisions of this Act as may appear to be necessary for removing the difficulty:

Provided that no such order shall be made under this section after the expiry of two years from the date of the commencement of this Act.

(2) Every order made under this section shall be laid, as soon as may be after it is made, before each House of Parliament.

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THE SCHEDULE

[See section 2(s)]

LIST OF ENERGY INTENSIVE INDUSTRIES AND OTHER ESTABLISHMENTS 1***

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- 2. Fertilizers;
- 3. Iron and Steel;
- 4. Cement;
- 5. Pulp and paper;
- 6. Chlor Alkali;
- 7. Sugar;
- 8. Textile:
- 9. Chemicals:
- 10. Railways;
- 11. Port Trust;
- 12. Transport Sector (industries and services);
- 13. Petrochemical, Gas Crackers, Naphtha Crackers and Petroleum Refineries;
- Thermal power stations, hydel power stations, electricity transmission companies and distribution companies;
 - 15. Commercial buildings or establishments.

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^{1.} The words "specified as designated consumers" omitted by Act of 28 of 2010, s. 15 (w.e.f. 24-8-2010).

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Annexure-C

Most Immediate

No.25(24)/E.Coord/2017 Government of India Ministry of Finance Department of Expenditure

> North Block, New Delhi Dated: 01 December, 2017

OFFICE MEMORANDUM

Subject: Economy Measures- Mandatory installation of LED based lightings in Government Buildings- reg.

Reference is invited to this Department's OM of even number dated 04.08.2017 wherein all Ministries/Departments were requested to convert the existing lightings/equipments into LED based lightings and energy efficient equipments on priority utilizing the services of CPWD/EESL. The model Agreement/Contract to be entered in to between the Client Ministry/Department and EESL was also circulated.

- Recently, the implementation progress of LED based lightings was reviewed by Group of Officers vide meeting in Cabinet Secretariat on 07:11.2017. During deliberations, some of the Ministries/Departments informed about the time taken in obtaining administrative approvals and financial concurrence.
- The mandatory installation of LED based lightings in Government buildings is a time bound activity. Hence, it is requested of all Financial Advisors to facilitate expeditious processing of the LED based lighting installation proposals received in their Divisions.

To: DOMESTA

(Annie G Mathew)
Joint Secretary (Pers.)

Tel.:2309 3283

All Financial Advisors of Ministries/Departments

Copy to:

Cabinet Secretariat [Shri S.A.M. Rizvi, Joint Secretary]

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Annexure-A

CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

Petition No. 270/GT/2019

Coram: Shri P.K. Pujari, Chairperson Shri I.S. Jha, Member

Date of Order: 13th July, 2020

In the matter of

Petition for revision of tariff of SUGEN Power Plant (1147.5 MW) for the period from 1.4.2014 to 31.3.2019 after truing-up exercise

AND

In the matter of

Torrent Power Ltd Torrent House, Off Ashram Road, Near Income Tax Circle, Ahmedabad - 380009

...Petitioner

Vs

- Torrent Power Ltd (Ahmedabad Distribution) Electricity House, Lal Darwaja, Ahmedabad - 380001
- Torrent Power Ltd (Surat Distribution)
 Torrent House, Station Road,
 Surat 395003
- PTC India Ltd.
 2nd floor, NBCC Tower,
 Bhikhaji Cama Place,
 New Delhi 110066
- 4. Madhya Pradesh Power Management Co. Ltd. Shakti Bhavan, Vidyut Nagar, Jabalpur - 482008

...Respondents

Parties Present:

Ms. Swapna Seshadri, Advocate, TPL
Ms. Deepa Chawan, Advocate, TPL
Shri Damodar Solanki, Advocate, TPL
Shri Lalit Vashisth, TPL
Shri Vihar Patel, TPL
Shri N.K. Joshi, TPL
Shri Ravi Kishore, Advocate, PTC
Shri Ravindra Khare, MPPMCL

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Order in Petition No. 270/GT/2019

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expenditure under 'Routine Capital Expenditure', the claim of the Petitioner for additional capitalisation of Rs 23.37 lakh is not allowed. Further, the Petitioner has not furnished any technical details or justification with supporting documents as regards the claim for additional capitalisation of Rs 29.04 lakh towards 'Plant & Machinery'. In absence of any details/ justification, the claim of the Petitioner for Rs 29.04 lakh under this head is not allowed. Accordingly, the total additional capital expenditure of Rs 52.41 lakh (Rs. 23.37 lakh plus Rs. 29.04 lakh) claimed in 2014-15 is not allowed for capitalization.

2015-1618. The Petitioner has claimed additional capital expenditure of Rs 215.27 lakh during 2015-16 along with justification as under:

		Regulation	Amount (Rs in lakh)	Remarks
1	Buildings	Routine Capital Expenditure	4.01	Miscellaneous Civil Work
2	Electrical Fittings and Apparatus	-do-	32.20	
3	Furniture & Fixtures	-do-	1.04	
4	Office Equipment	-do-	10.50	
5	Vehicle	14 (3) (vfi)	80.66	Replacement of old vehicles due to obsolescence
	Plant & Machineries	14 (3) (i) & 14 (3) (vii)	86.87	(i) Solar Power Roof Top System for Rs.35 lakh which has resulted into reduction of auxiliary consumption and benefits to beneficiaries in terms of sharing of ECR gain.
		-		(ii) PSA Nitrogen Gas Plant for Rs.22.44 lakh. The preservation of plant requires handling of Nitrogen Cylinder. Handling of Nitrogen Cylinder involves risk of transportation, handling and monitoring, timely delivery, etc. For safety, better management, economic and efficient management of Nitrogen, PSA Nitrogen Gas Plant was installed.
				(iii)To meet the regulatory requirement of Gujarat Pollution Control Board, TOC Analyser was

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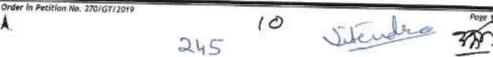
Order in Petition No. 270/GT/2019

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		installed at a cost of Rs.17.28 lakh. (iv) To protect the servers and data network, an automated fire-fighting system was installed at a cost of Rs.5.41 lakh.
Total	215.27	The second of th

- 19. It is noticed that the Petitioner has claimed additional capital expenditure of Rs.4.01 lakh on Miscellaneous Civil Works (Buildings) claimed under 'Routine Capital Expenditure'. Since Regulation 14(3) of the 2014 Tariff Regulations do not provide for capitalization of expenditure under 'Routine Capital Expenditure', the claim of the Petitioner for additional capitalisation of Rs 4.01 lakh is not allowed.
- 20. The Petitioner has also claimed additional capital expenditure of Rs.32.20 lakh towards Electrical Fittings & Apparatus, Rs.1.04 lakh towards Furniture & Fixtures and Rs.10.50 lakh for Office Equipment under 'Routine Capital Expenditure'. The cut-off date of the generating station is 31.3.2011. It is pertinent to mention that the proviso to Regulation 14(3) of the 2014 Tariff Regulations do not provide for capitalisation of minor assets including assets like furniture, office equipment etc., after the cut-of date of the generating station. Accordingly, the expenditure of Rs.32.20 lakh towards Electrical Fittings & Apparatus, Rs.1.04 lakh towards Furniture & Fixtures and Rs.10.50 lakh towards Office Equipment as claimed by the Petitioner in 2015-16 is not allowed to be capitalized for the purpose of tariff.
- 21. As regards the claim for additional capitalization of Rs.80.66 lakh towards Replacement of Vehicles, it is observed that the Petitioner has also de-capitalized an amount of Rs.37.81 lakh in 2015-16 towards 'Old Vehicles' taken out of service. It is further observed that for the period 2014-19, the Petitioner has de-capitalized Vehicles amounting to Rs.257 lakh as against the capitalization of Rs.131 lakh towards 'new Vehicles'. Accordingly, the need-based additional capitalization of 3/4



Rs.80.66 lakh towards the procurement of 'new vehicles' is allowed for the purpose of tariff as the same was necessary due to obsolescence of the old vehicles taken out from service. The de-capitalization of the amount towards 'old vehicles' has been dealt with under the head 'Deletions'.

- 22. The Petitioner has claimed additional capitalization of Rs.86.87 lakh towards 'Plant and Machinery' under Regulation 14(3)(i) read with Regulation 14(3)(vii) of the 2014 Tariff Regulations. The assets claimed under these regulations have been categorized as 'Solar Power Roof Top System', 'PSA Nitrogen Gas Plant' and 'Automated Fire Fighting System'.
- 23. As regards the claim for additional capitalisation of Rs.35 lakh towards installation of 'Solar Power Roof Top System', the Petitioner has submitted as follows:

"Solar Power Roof Top System for Rs.35 lacs which has resulted into reduction of auxiliary consumption and benefits to beneficiaries in terms of sharing of ECR gain"

It is pertinent to mention that the energy generated from Solar Power Roof
Top System installed at the generating station would meet some of the auxiliary
energy requirements of the generating station and to that extent, the ex-bus
energy available to the beneficiaries would increase. Considering the resolve of
the Central Government to promote renewable energy and in terms of Regulation
8(6) of the 2014 Tariff Regulations which provide for sharing of gains in respect of
variation of Auxiliary Energy consumption (by way of lower ECR because of lower
auxiliary consumption in comparison to normative auxiliary consumption), we allow
the additional capital expenditure of Rs.35 lakh incurred by the Petitioner towards
the installation of Solar Power Roof Top System.

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Order in Petition No. 270/GT/2019

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एन टी पी सी लिमिटेड (भारत सरकार का उदाम)

NTPC (A Government of India Enterprise) OIIG

BARH

Completion Certificate

Restar / Date: 17 . U2-2018

IFB No. CS- 9560-102-2

Steam Generator & Aux. package for Barh Stage-II(2X660MW) CS-9560-102-2-FC-COA-5090, CS-9560-102-2-SC-COA-5091, CS-9560-102-2-TC-COA-5092

To The Construction Manager, BHEL- PSER , Barh Site.

Dear Sir.

Pursuant to GCC clause 24 (Completion of the Facilities) of the General Conditions of the Contract entered into between yourselves and the Employer dt.31.03.2008, relating to the Steam Generator & Aux. package for Barh Stage-II(2X660MW), we hereby notify you that the following parts of the facilities were complete on the date specified below, and that, in accordance with the terms of the Contract, the Employer hereby takes over the parts of the facilities, together with the responsibility for care and custody and the risk of loss

1. Description of facilities : Steam Generator & Aux. package, Unit # 4 & Unit #5 for Barh Stage-II(2X660MW)

2. Date of Completion: Unit #4: 17.02.2018

: Unit #5: 17.02.2018

However, you are required to complete the outstanding items, balance work/defects listed in the attachment hereto as soon as possible.

This letter does not relieve you of your obligation to complete the execution of the facilities including Guarantee tests in accordance with the contract nor of your obligations during the defect liability period.

Very truly yours,

(Vinod Choudhary) Executive Director Bocaring in Maly

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UNITECH MACHINES LIMITED

(Engineering Division)

Head Office: "UM House", Plot No. 35P, Sector-44, Gurgaon-122 002 (Haryana) INDIA Phone No. : +91-124-4326444, Fax No. : +91-124-4326400

E-mail Id; marketing@unitechmachines.com, Website; www.umgroup.in



P-274/P-277/P-279/560

March 20, 2019

M/s. NTPC Ltd.

Barh STPP, P.O. Barh,

Distt. Patna, Bihar - 803 215

Kind Attn.; Shri P.K. Pramanik- AGM (ME-IV) / Sh. J.P. Roy - AGM (ME)

Sub. : Station Piping, FDPS and AWRS Packages for Barh STPP, Stage-II (2x660 MW) -UML admitted into NCLT - Clarification on Company to remain an ongoing

concern - Reg.

Ref. : COA No. CS-9560-131-2-FC/SC-COA-5374/75 both dtd. 16/11/2009 - Station

Piping Package

: COA No. CS-9560-151-2-FC/SC/TC-COA-5438/39/40 all dtd. 11/01/2010 -

FDPS Package

; COA No. CS-9560-186-2-FC/SC-NOA-5465/66 dated 25/01/2010 (AWRS)

Dear Sir,

This refers to the subject Packages under peak of its execution/completion, we would like to mention that the Company has been admitted into NCLT vide Order dated 01.03.2019. copy of Material Notification appeared in the newspaper - Business Standard dated 07.03.2019 is attached herewith.

As advised by the Resolution Professional - Mr. Vivek Raheja, we would like to clarify that the Company will be kept as on going Organisation and all the activities will remain operational which may please be noted with a request for your supports.

Meantime, we request for a CRM at the earliest to discuss and take it further on the balance activities to complete the Packages by creating confidence by the RP.

Thanking you,

Yours faithfully,

FOR UNITECH MACHINES LIMITED

Encl.: As stated above

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REGD. OFFICE: 806, DEVIKA TOWER, 6 NEHRU PLACE, NEW DELHI-110019 WORKS: 10TH KM, DELHI ROAD, SAHARANPUR-247 451 (U.P.) PHONE: (01336) 246212-15 • FAX: (01336) 246846

CIN NO.: U34300DL1986PLC023498

FORM B PUBLIC ANNOUNCEMENT

(Regulation 12 of the Insolvency and Bankruptcy (Liquidation Process) Regulations, 2016)

FOR THE ATTENTION OF THE STAKEHOLDERS OF D C INDUSTRIAL PLANT SERVICES PVT LTD.

SL No.	PARTICULARS	DETAILS
1.	Name of the corporate debtor	D C Industrial Plant Services Pvt.Ltd
2.	Date of incorporation of corporate debtor	08/06/1983
3.	Authority under which corporate debtor is incorporated / registered	Registrar of Companies, Kolkata under the provisions of Companies Act, 1956
4.	Corporate Identity Number of corporate debtor	CIN:U45202WB1983PTC036391
5.	Address of the registered office and principle office (if any) of corporate debtor	6A, South Block, Park Plaza 71, Park Street Kolkata West Bengal 700016 India
6.	Date of closure of insolveney resolution process	09/06/2019
7.	Liquidation commencement date of corporate debtor	19/06/2019(order received on 20,06,2019
8.	Name, and the registration number of the liquidator	Mr. Ram Ratan Modi IBBI/IPA-001/IP-P00051/2017- 2018/10125
9.	Address and email of the liquidator, as registered with the Board	Merlin Links 2nd Floor ,Room No 2F 166B, S.P. Mukherjee Road , Kolkata,West Bengal ,700026 Email: rrmodi@gmail.com
10.	Address and email to be used for correspondence with the liquidator	Address - Resurgent Resolution Professionals LLP, CFB F-1, Paridhan Garment Park, 19, Canal South Road Kolkata-700015 Email:- liquidator.dcindustrial@gmail.com
11.	Last date for submission claims	19.07.2019

Notice is hereby given that the Hon'ble National Company Law Tribunal, Kolkata Bench has ordered the commencement of liquidation of the D C Industrial Plant Services Pvt. Ltd on 19th June 2019 under section 33 of the Code.

The stakeholders of the D.C. Industrial Plant Services Pvt. Ltd. are hereby called upon to submit their claims with proof on or before 19th July 2019, to the liquidator at the address mentioned against item No. 10.

The financial creditors shall submit their claims with proof by electronic means only. All other creditors may submit the claims with the proof in person, by post or by electronic means.

Submission of false or misleading proof of claims shall attract penalties.

Date: 21.06.2019

mundi.

Ram Ratan Modi

Place: Kolkata Name & Signature of Liquidator

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Forms of Part Completion Certificate: Barn

2007/02

10 10 10m 20/07/2018

Coal Familion, Package for Blair STEP Stage B (2x860MW)

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- Interconnection Ethicans as Conv.27 → Conv.26 → Local IBA/B → Conv.184.6
 (Conv.234.B → Conv.224.B (Unit ≠ IV) or Conv.214.B → Conv.234.B (Unit ≠ IV)
- Direct Conveying Stream from Track Hopper to stage it was:
- Stacker Recipiner # 3 for stacking and reclaming mode
- Wason Tippler # J and its associated conveyor
- · Macron Tigguer # 4 and its associated conveyor
- · tyre-serious #4 metalogical informations

NC | Date of completion 15th Feb 2018

However, you are required to complete the outstanding items listed in the intachment (Annexure II) here to as soon as practicable.

This letter does not relieve you of your obligation to complete the execution of the facilities including Guarantee Tests in accordance with the Contract nor of your obligations during the Defects Liability Periods.

Very truly yours

(Krishnendu Adhikari)

GM Project- Barh STPP

बाद सुरार अग्रस प्राप्त वास्त्रक तारत नाट जिला प्रत्या 50325 विकार दुरमाप (0)10 , 450110, प्रत्या 05332 240010 240014 240062 Barr Super Tream of Power Project (40) Barr Debter Pures 2010 15 Barr France of Tream 12 Fax 06132 240010 240014 24001 क्षत्रीकृत बन्धानी प्रत्योगी कार रहत शहर सामान्य प्रतिकृतिक वर्षि को ता सांधिकी प्रतिकृति कार्या कार्या कार्याम

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NTPC Limited
(A Government of India Enterprise)

बाढ / Barh

दिनांक / Date

07.09.2018

Setender

संदर्भ संख्या / िFB°No:- COF/UML/SP- ST-II/01

Forms of Completion Certificate

Station Piping Package, Stage-II at Barh STPP (2x660MW)

To, M/s Unitech Machines Ltd., UM House, Plot No. 35P, Sector-44, Gurgaon, 122002 Fax No: - 01336-246846

Dear Sirs.

Pursuant to GCC Clause 24 (completion of the facilities) of the General conditions of the contract entered into between yourselves and the Employer dated:16.11.2009 relating to the supply, erection, testing and successful completion of facilities under Station Piping Package, Stage-II at Barh STPP (2x660MW) vide COA Ref. - CS-9560-131-2-FC/SC-COA-5374/5375 DTD:16.11.2009. We hereby notify you that the following parts of the facilities were completed on the date specified below, and that, in accordance with the terms of the contract, the Employer hereby takes over the said parts of the facilities, together with the responsibility for care and custody and the risk of loss therefore on the date mentioned below.

01] Description of the Facilities or part thereof:

DM Make-Up System, Boiler Fill System, Station Auxiliary Cooling Water System, Clarified Water System, CW-Blow Down System, Ventilation Make-up System, Drinking Water System, Service Water System, Instrument Air System, Plant Air System, Condenser Emergency Make-Up System, Condensate Spill System, Clarifier Sludge Disposal System, DM Neutralization Pit Effluent Disposal System, Waste Water System, Treated Water System, Make-up water System (Scope of supply only).

02] Date of completion: 14th February-2018.

However, you are required to complete the outstanding items listed in the attachment **Annexure** here to as soon as practicable.

This letter does not relieve you of your obligation to complete the execution of the facilities in accordance with the Contract nor of your obligations during the Defects Liability Periods.

Very truly yours

Winter

(Krishnendu Adhikari)

GM Project- Barh STPP

Note: - This has been issued on the approval of competent authority vide Notesheet Ref. No. :

4400/Barh/ME-IV/2018/120 dated 09.08.2018 by ED NTPC Barh. बाह सुपर धर्मल पावर प्रोजेक्ट, पोस्ट : बाह, जिला : पटना- 803213 (बिहार) दूरभाष : 06132-240011 / 12 / 13 फैक्स : 06132-240010, 240014 Barh Super Thermal Power Project Post Barh District Patna 803213 (Bihar) Phone 06132-240011 / 12 / 13 Fax 06132-240010, 240014 NAT-ONAL THERMAL POWER CORPORATION LTD. ANNEXUPE ITI (Con.d.)

..... BUPER THERMAL POWER PROJECT

prest.on Department

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certificate no. V/ 143/02

RECORD OF INITIAL OPERATION CERTIFICATE

Contract CS: 9569-148: 2-59-604-5256

Contract Ref(S: 9560-143-2-50- 60A-5256-

Contractor C. NOCKON 2 CC. (P) L +cl.

and they're to and Legation of Plant I AT HIT UNIT HIL A-ROW SIDE AIR WASHER TO CENTRIFICANT FULL AND HOURS STIGGESSEATING COMBIELLS 1 1 1 10 1, part - 00/05/19 to 05/05/19 time 5.30 Pm

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sefects or omissions found on initial operation

Tooks or omissions

Contract Ret:

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- a: It be issued only after the issue of safety clearance certificate
- Librication of the plant under consideration will be the responsibility of the contract even after issue of this certificate. Defects and omissions noticed during the test run should be liquidated by contractor.
- Inis certificate should be issued after obtaining all operation and maintenance volumes erections/FQA log cheets pertaining to the equipment under consideration

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NTPC Limited

PR Callemanness of Section & American

-IId / Bath

fema / Date 20/03/2017

rest treet Ref No.

Completion Certificate

IFB No. US 9560-110-2

Steam Turbine Generator package for Barh STPP, Stage-II (2X660 MW) CS-9560-110-2-FC-NOA-5165, CS-9560-110-2-SC-NOA-5166 & CS-9560-110-2-TC-NOA-5167 dt 14/10/2008

The Construction Manager, BHEL- PSER . Barh Site

Dear Sir.

Pursuant to GCC clause 24 (Completion of the Facilities) of the General Conditions of the Contract entered into between yourselves and the Employer dt. 14/10/2008, relating to the Steam Turbine Generator package for Barh Stage-II(2X660MW), we hereby notify you that the following parts of the facilities were complete on the date specified below, and that in accordance with the terms of the Contract, the Employer hereby takes over the parts of the facilities, together with the responsibility for care and custody and the risk of loss thereof on the date mentioned below:

- 1 Description of facilities: Steam Turbine Generator package, Unit #5 for Barh Stage-11(2X660MW)
- 2 Date of Completion: 20/03/2017

However, you are required to complete the outstanding items, balance work/defects listed in the attachment hereto as soon as possible.

This letter does not relieve you of your obligation to complete the execution of the facilities including Guarantee tests in accordance with the contract nor of your obligations during the defect liability period.

Very truly yours,

· (Balaji Iyenga

Group General Manager (Barh)

बाद सुपर धर्मल पावर प्रोजेक्ट, पोस्ट : बाद, जिला : पटना- 803213 (बिहार) दूरभाष : 06132-240011 / 12 / 13 फैक्स : 06132-240010. 240014 Barh Super Thermal Power Project, P.O. Barh, District Palna-803213 (Bihar) Phone: 06132-240011 / 12 / 13 Fax 06132-240010, 240014 र्वजीकृत करवांत्रकः एक्ट्रेपोर्क भवन, स्कोप कामलेका, 7 इन्टोट्यूनमा परिक, लोपी रोड, में रिल्ली-अ Regd. Off: NTPC Bhawan, Scope Complex,7, Institutional Area, Lodds Road, New Delhi-3

ANNEXURE - C

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(Formerly National Thermal Power Corporation ad.)

Birth

Date: - 16.07.2021

To,

Sr. Manager (Project) NCC Ltd, NTPC Campus,

Ref: - 4400/Barh/CCD/2021/783

NTPC-BSTPP

Barh, Bihar

Kind Attention - Sh. B. C. pall

Subject: - CW System and Make up Water System Civil Works Package for Barh STPP Stage-II-Reg. Work Completion certificate.

Ref.: - LOA No. CS-9560-318A-9(R) 5478 DATED 22.03.2010

Dear Sir.

This has reference to your letter reference no. NCC/PCPL/NTPC/BARH/2020-21/1022 dated 23.01.2021 regarding above cited subject matter. Pursuant to GCC clause 31.1 (Completion certificate) and your request, we hereby notify that works of "CW System and Make up Water System Civil Works Package for Barh STPP Stage-II" has been physically completed as detailed below: -

Unit Rate Portion - 31.08.2018

Lump Sum Portion - 30.06.2019

Duly signed "Work Completion Certificate" along with jointly signed defect list is attached herewith as **Annexure A**.

In accordance with the terms of the contract, the employer hereby takes over the said package structures together with the responsibility for care and custody and risk of loss thereof from the date mentioned above.

M/s NCC Ltd. is required to complete all the outstanding works and defects as per attached jointly signed defect list and provisions of the contract.

This letter does not relieve M/s NCC Ltd. of their obligations as per provisions of the contract.

Thanking you.

For and on behalf of NTPC Ltd.

(S. G. Dhabu) AGM (CCD) प्रस्त जी ठ खबू S. G. DHABU अपर महाप्रबंधक (सिबल) Addi. General Manager (Civil) एनटीपीसी लि॰ नाह/NTPC Ltd. - Barh

Copy to:

ED(Barh)/GM(P)/AGM(P&S) - for kind information please (through email)

2. Concerned file.

Vistend-



REF:NCC/PCP/NTPC/BARH/18-19/ 961

To,
The AGM (Civil),
Barh STPP,
NTPC Ltd.
P.O-Barh, Pin-803215.

Dagloson market (CO) D

Date: 16.03.2019

Sub: CW & Make up water system package for Barh STPP, Stg-II COA No: CS-9560-318A-9(R)-5478 dtd.22.03.10 Reg: Stoppage of river bank protection work by local villager

Dear Sir.

With reference to the above subject, here we inform to you that present we are executing the Bank protection work at MW Package .we still to be execute Bank protection balance work 5 mts U/S&15 mts D/S, we have made all arengements to start the excavation work at D/S Corner balance 15 mts work to be done . but in mean time local villager VINOD SINGH stopped the work . he was not willing to give 15 mts width of land for Bank protection work. Instead off 15 mts he allowing to work only upto 12 mts. Where we can accomadate balance 3 mts width of bank protection work.

In this situation we connot able to do work as per the committed schedule ,our mechinaries & manpower also getting idle for the last one week.requesting to resolve this issue as early as possible.

Thanking you

Yours faithfully,

B.C.PAL

Authorized signatory

NCCL

NCC Limited
(Formerly Regardune Construction Company Limited)
Regional Office BF-10, Sector -I , Selt Lake , Kolketa - 700 084
T + 91 33 2334 8213 F + 91 38 2334 8879

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Page No. 1/8

(A Government of India Enterprise)

Barh Super Thermal Power Project

P.O. BARH BARH PATNA Bihar-803213, India

Telephone No.: 06132-240011/12/13 Fax No.: 06132-240014

PURCHASE ORDER

PAN No. : AAACN0255D

Vendor Code: 1062322

PAN No

CIN No. : L40101DL1975GOI007966

: AAACB4146P

To:

BHARAT HEAVY ELECTRICALS LTD MAURYA LOK COMPLEX, BLOCK-B-1/23 RD FLOOR:DAK BUNGLOW ROAD

PATNA

Bihar -800001

India

Tel: 0612-2204847

Fax: 0612-2204847

E-Mail: PVUNLTOBHELPAYMENTS@BHEL.IN

Purchase Order No.: 4000212595-M87-1028 Date: 29.10.2018 (version: 0)

Reference

: 9900163018

: SUPPLY OF HVR TRANSFORMERS FOR ESP AT BARH STPP. Date: 18.10.2018

Our Enquiry No. Offer

: Your Quotation No.-SB318P64021JST021 dated 20.08.2018

Your Reference

: BID-22751Your email dated 10.10.2018

Our Reference

: 1) Our NIT No.-9900163018 dated 16.08.2018

2) Our email dated 08.10.2018

Dear Sir.

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4000212595-M87-1028 dated 29.10.2018 for total order value of INR 3,098,000.00 (INR THIRTY LAKH NINETY-EIGHT THOUSAND ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions. other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

KRP Rajan Sr.Manager(C&M)

Enclosures

Vitender

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Barh Super Thermal Power Project P.O. BARH **BARH PATNA**

Bihar- 803213, India

Telephone No.: 06132-240011/12/13 Fax No.: 06132-240014

PURCHASE ORDER

PAN No. : AAACN0255D

CIN No. : L40101DL1975GOI007966

GE OIL & GAS INDIA PRIVATE LIMITED SF NO.608, CHETTIPALAYAM ROAD

EACHANARI POST COIMBATORE Tamil Nadu -641021

India

Tel: 0422-3011000

Fax: 0422-3011200

Vendor Code: 1001495 (SME Vendor) PAN No

: AAACD2199L TIN No

E-Mail: ANISHKUMAR.SUBRAMANIAN@GE.COM

: 286407 AREA CODE 095

Purchase Order No.: 4200048719-M37-1028 Date: 16.06.2018 (version: 0) Reference

Our Enquiry No.

: 9900152180

: Supply of Super Heater Safety Valve, Stage-II, at NTPC Barh. Date: 31.05.2018

: Your offer against our NIT- 9900152180

Our Reference

: BR/MAT/17900

Dear Sir.

Offer

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200048719-M37-1028 dated 16.06.2018 for total order value of INR 9,950,000.00 (INR NINETY-NINE LAKH FIFTY THOUSAND ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

Ashok Kumar, Manager(C&M)

Enclosures

258

Vitender



Barh Super Thermal Power Project P.O. BARH BARH PATNA

Bihar- 803213, India Telephone No.: 06132-240011/12/13 Fax No.: 06132-240014

PURCHASE ORDER

PAN No. : AAACN0255D

PAN No

TIN No

CIN No. : L40101DL1975GOI007966

Vendor Code: 1001495 (SME Vendor)

: AAACD2199L

: 286407 AREA CODE 095

GE OIL & GAS INDIA PRIVATE LIMITED SF NO.608, CHETTIPALAYAM ROAD

EACHANARI POST COIMBATORE Tamil Nadu -641021

India

Tel: 0422-3011000

Fax: 0422-3011200

E-Mail: ANISHKUMAR.SUBRAMANIAN@GE.COM

Purchase Order No.: 4200049081-M37-1028 Date: 13.09.2018 (version: 0)

Reference : PROCUREMENT OF BASE ASSEMBLY FOR MS SAFETY VALVE AT NTPC BARH

STPP

Our Enquiry No. : 9900157160

Date: 08.08.2018 : Your offer against our NIT/BI-9900157160

Our Reference : BR/MAT/18236

Dear Sir.

Offer

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200049081-M37-1028 dated 13.09.2018 for total order value of INR 2,999,997.00 (INR TWENTY-NINE LAKH NINETY-NINE THOUSAND NINE HUNDRED NINETY-SEVEN ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

Ashok Kumar Manager(C&M)

Enclosures



Barh Super Thermal Power Project

P.O. BARH **BARH PATNA** Bihar- 803213, India

Telephone No.: 06132-240011/12/13 Fax No.: 06132-240014

PURCHASE ORDER

PAN No. : AAACN0255D

Vendor Code: 1169354

PAN No

CIN No. : L40101DL1975GOI007966

: ARVPM5555G

To:

INDUSTRIAL TRADE LINKS LGF SHOP NO.1, SHUKLA PALACE 18, PREM NAGAR, SAPRU MARG

LUCKNOW

Uttar Pradesh -226001

India

Tel: 9935799995

E-Mail: industrialtradelinks@gmail.com

Purchase Order No.: 4200049266-M62-1028 Date: 13.09.2018 (version: 0)

: SUPPLY OF COMPLETE MAB 206 S-24 ASSEMBLY AT NTPC BARH STPP Reference

Our Enquiry No. : 9900154665 Date: 01.09.2018 Offer : Your against our NIT No.- 9900154665

Our Reference : BR/MAT/18258

Dear Sir.

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200049266-M62-1028 dated 13.09.2018 for total order value of INR 2,075,000.00 (INR TWENTY LAKH SEVENTY-FIVE THOUSAND ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

Ashok Kumar, Manager(C&M)

Enclosures

CC: ALFA LAVAL INDIA LTD. DR.GOPAL DAS BHAWAN 12TH FLOOR, 28TH BARAKHAMA ROAD NEW DELHI. Delhi-110001 India Tel: 011 41293333

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(A Government of India Enterprise)

Eastern Region HeadQuarters 2ND FLOOR,LOK NAYAK JAI PRAKASH BHAWAN, PATNA

Bihar- 800001, India

Telephone No.: 0612 - 2221010 Fax No.: 0612 - 2230035

PURCHASE ORDER

PAN No. : AAACN0255D

Vendor Code: 1003651

PAN No

TIN No

CIN No. : L40101DL1975GOI007966

: AACCM3279J

: 07160236676

To:

MILLENNIUM IMPEX PVT LTD

C#54,OKHLA INDUSTRIAL AREA, PHASE#I

INDIA

NEW DELHI Delhi -110020

India

Tel: 011-268148702...

Fax: 011-26815416

E-Mail: SALES@MILLENNIUM-IMPEX.COM

Kind Attention

: Suman Kr Verma 9350226703

Purchase Order No.: 4200049410-M33-1022

Date: 21.09.2018 (version: 0)

Our Enquiry No.

Reference

Offer

: online offer

Your Reference

: 6000787647

Our Reference

: 9900162553

Dear Sir,

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200049410-M33-1022 dated 21.09.2018 for total order value of INR 9,687,150.00 (INR NINETY-SIX LAKH EIGHTY-SEVEN THOUSAND ONE HUNDRED FIFTY ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

V P Pandey AGM(C&M)

Enclosures

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(A Government of India Enterprise)

Eastern Region HeadQuarters 2ND FLOOR,LOK NAYAK JAI PRAKASH BHAWAN, PATNA

Bihar- 800001, India

Telephone No.: 0612 - 2221010 Fax No.: 0612 - 2230035

PURCHASE ORDER

PAN No. : AAACN0255D

CIN No. : L40101DL1975GOI007966

To

ATLAS COPCO INDIA LTD Vendor Code: 1000575
SEVEANAGAR, DAPODI PAN No : AAACA4074D

PUNE

Maharashtra -411012

India

Tel: 080-39280164/... Fax: 0

Fax: 080-39280145

E-Mail: akhilesh.haridasan@in.atlascopco.com

Purchase Order No.: 4200049600-M34-1022 Date: 15.10.2018 (version: 0)

Reference : PROCUREMENT OF OIL AND AIR COOLER FOR MAIN PLANT COMPRESSOR

ZR425 SERIES AT NTPC BARH(660MW)

Our Enquiry No. : 9900161564 Date : 12.10.2018

 Offer
 : Your online offer

 Your Reference
 : 6000812001

 Our Reference
 : 9900161564

Dear Sir.

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200049600-M34-1022 dated 15.10.2018 for total order value of INR 4,007,950.25 (INR FORTY LAKH SEVEN THOUSAND NINE HUNDRED FIFTY AND TWENTY-FIVE PAISA ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

V P Pandey AGM(C&M)

Enclosures

Vitender

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(A Government of India Enterprise)

Barh Super Thermal Power Project

P.O. BARH **BARH PATNA** Bihar-803213, India

Telephone No.: 06132-240011/12/13 Fax No.: 06132-240014

PURCHASE ORDER

PAN No. : AAACN0255D

Vendor Code: 1172251

PAN No

CIN No. : L40101DL1975GOI007966

: AGKPB1771B

To

SAI ENGINEERING SERVICES 718, DELTA INTERNATIONAL LTD. 4 GOVT PLACE, NORTH KOLKATA

KOLKATA

West Bengal -700001

India

Tel: 9450783479

E-Mail: saieng.4@gmail.com

Purchase Order No.: 4200050095-M20-1028 Date: 06.01.2019 (version: 0)

Reference

: 9900166490

: Supply of Wagon Tippler Gear Box at NTPC Barh STPP. Date: 27.12.2018

Our Enquiry No. Offer

: Your offer against our NIT- 9900166470 (Tender Id-2018_NTPC_10703_1) and NIT-

9900166490 (Tender Id-2018_NTPC_10699_1)

Our Reference : 01. BR/MAT/18022 and BR/MAT/18017

02. NIT- 9900166470 (Tender Id-2018_NTPC_10703_1) and NIT- 9900166490 (Tender

Id-2018 NTPC 10699 1)

Dear Sir.

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200050095-M20-1028 dated 06.01.2019 for total order value of INR 19,425,000.00 (INR ONE CRORE NINETY-FOUR LAKH TWENTY-FIVE THOUSAND ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

Ranjeet Kumar Sr. Manager(C&M)

Enclosures

CC: NEW ALLENBERRY WORKS. 62.HAZRA ROAD KOLKATA,

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Whender



A Government of India Enterprise)

SSC - ER-I(Barh) Project P.O. BARH **BARH PATNA**

Bihar- 803213, India

Telephone No.: 06132-240011/12/13 Fax No.: 06132-240014

PURCHASE ORDER

PAN No. : AAACN0255D

Vendor Code: 1062757

CIN No. : L40101DL1975GOI007966

: AAEFM0832A

RANCHI MACHINE TOOLS CORPORATION 102, RANCHI CLUB BUILDING P.O BOX

NO.51, MAIN ROAD

RANCHI

Jharkhand -834001

India

Tel: 0651-2332004

Fax: 06512332012

E-Mail: RMTREXROTH@GMAIL.COM

PAN No

Purchase Order No.: 4200050290-M55-1028 Date: 06.02.2019 (version: 0)

Reference : PROCUREMENT OF HYDRAULIC PUMPS AND HYDRAULIC MOTORS FOR WAGON

TIPPLER SYSTEM AND PADDLE FEEDER ST-II

Our Enquiry No.

: 9900165911

Date: 24.09.2018

Offer

Date:

Dear Sir.

We are pleased to accept your above cited offer along with correspondences thereof and place our Purchase Order No. 4200050290-M55-1028 dated 06.02.2019 for total order value of INR 10,602,386.00 (INR ONE CRORE SIX LAKH TWO THOUSAND THREE HUNDRED EIGHTY-SIX ONLY). Please arrange to deliver the materials as detailed in Annexure-1 & 2 subject to terms and conditions specified in Annexure-3 and in our General Purchase Conditions, other specifications and requirement. Duplicate copy of the Purchase Order may please be signed and returned back to us within 15 days of its receipt in token of acceptance of the same. If no communication is received within 15 days of receipt of Purchase Order, it will be treated that order has been accepted in entirety.

Our general purchase conditions shall form part of Purchase Order for all other clauses.

For and on Behalf of NTPC Limited

S SARKAR AGM (C&M)

Enclosures

CC: BOSCH REXROTH INDIA PRIVATE LIMITED. survey no:206/2A, Sanand Viramgam Highway Mouje Iyava, Taluka Sanand AHMEDABAD, Gujarat-382170

India

Tel: 02717-678000

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Annexure - 5

No. Q-1501 40/2007-CPW
Government of India
Ministry of Environment, Forest & Climate Change
C P Division

Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 Dated 26th August, 2015

Office Memorandum

Subject: Protocol for sampling, analysis of coal and reporting of compliance in respect of implementation of the Gazette notification on use & supply of raw or blended or beneficiated coal with ash content not exceeding 34% ash content in coal based thermal power plants

L0 Purpose:

This protocol presents the protocol for sampling, analysis of coal and reporting of compliance on quarterly basis with respect to ash content in coal to be supplied and used by the thermal power plants covered under the provisions of the Gazette notification GSR 02 (E) dated January 02, 2014 on supply and use of raw or blended or beneficiated coal in thermal power plants. The objective is to ensure compliance of the quality of coal with respect to ash content, supplied and used by thermal power plants in keeping with applicable extant Notification of the Ministry in this regard. The data generated shall help in evaluation of compliance level of the notification.

2.0 The Notification:

In exercise of the powers conferred by Section 3, Section 6 and Section 25 of the Environment (Protection) Act, 1986 (29 of 1986) read with rule 5 of the Environment (Protection) Rules, 1986, the Ministry of Environment, Forest & Climate Change, Government of India made the following rules vide notification No GSR 2 (E) dated January 02, 2014 under the Environment (Protection) Rules, 1986, namely:—

With effect from the date specified hereunder, the following coal based thermal power plants shall be supplied with, and shall use, raw or blended or beneficiated coal with ash content not exceeding thirty-four per cent, on quarterly average basis, namely:—

(a) a stand-alone thermal power plant (of any capacity), or a captive thermal power plant of installed capacity of 100 MW or above, located beyond 1000 kilometres from the pit-head or, in an urban area or an ecologically sensitive area or a critically polluted industrial area, irrespective of its distance from the pit-head, except a pit-head power plant, with immediate effect;

(b) a stand-alone thermal power plant (of any capacity), or a captive thermal power plant of installed capacity of 100 MW or above, located between 750 – 1000 kilometres from the pit-head, with effect from the 1st day of January, 2015;

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(c) a stand-alone thermal power plant (of any capacity), or a captive thermal power plant of installed capacity of 100 MW or above, located between 500-749 kilometres from the pit-head with effect from the 5th day of June, 2016;

Provided that in respect of a thermal power plant using Circulating Fluidised Bed Combustion or Atmosphere Fluidised Bed Combustion or Pressurized Fluidised Bed Combustion or Integrated Casification Combined Cycle technologies or any other clean technologies as may be notified by the Central Government in the Official Gazette, the provisions of clauses (a), (b) and (c) shall not be applicable.

3.0 Statutory Compliance Requirement and Reporting:

As per the notification, power plants located 750 kilometres from pit head (500 kilometres from June 05, 2016) shall be supplied with, and shall use, raw or blended or beneficiated coal with ash content not exceeding thirty-four per cent, on quarterly average basis. Hence, coal mine or company, as applicable, supplying coal to thermal power plants as well as thermal power plants covered under provisions of the notification shall require to submit compliance report for each quarter with respect to average ash content in coal used by them to respective State Pollution Control Boards (SPCBs), Regional office of the Ministry of Environment, Forest & Climate Change (MoEF&CC) and Central Pollution Control Board (CPCB).

4.0 Amendment in Consent under Air (Prevention and Control of Pollution) Act, 1981 & conditions in Environmental Clearance issued under Environment (Protection) Act, 1986:

In order to implement the provisions made in the notification, the State Pollution Control Board concerned and Ministry of Environment. Forest & Climate Change shall include a condition with respect to specifying ash content in raw or blended or beneficiated coal to be supplied by the coal mine or company, as applicable, and used by thermal power plants, in the existing consent orders issued under Air (Prevention and control of pollution) Act, 1981 and in Environmental Clearance issued under Environment (Protection) Act, 1986 to thermal power plant and coal mine or company, as applicable, under the purview of the notification on supply and use of raw or blended or beneficiated coal and shall invariably prescribe to all new thermal power plant and coal mine or company, as applicable, which may otherwise fall under the purview of the said notification.

5.0 Ash content monitoring (sampling and analysis) technique of coal:

Coal is highly heterogeneous in nature consisting of particles of various shapes and sizes each having different physical characteristics, chemical properties and residual ash content: Sampling is further complicated by the sampling equipment available, the quantity to be represented by the sample mass, and the degree of precision required. In addition, the coal to be sampled may be a blend of different coal types and how the coal is blended has a profound effect on the way a representative sample is obtained. National and international standards have been developed to provide guidelines for coal sampling procedures under different conditions, sample preparation and bias test procedures for the purpose of obtaining unbiased samples.

Real Time monitoring using auto mechanical sampling (online) from moving streams shall be used for sampling fuels. This shall be effective from a date not later

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than 01 September, 2016 in order to enable the Coal Companies and thermal power plants to install and operationalise the real time monitoring system. Manual sampling and analysis may be done so as to verify the online monitoring results.

In case of manual monitoring, coal samples may be taken from a moving conveyor belt since sampling from stationary coal such as a coal storage pile or railcars may be problematic. The analysis of samples shall be carried out by third party appointed by the respective thermal power plant/coal mine or company, as applicable, as per the guidelines of Coal Controller.

6.0 Calibration of auto-mechanical sampler:

It should be ensured that the online ash monitoring instrument is properly calibrated. Measurements should be accepted as valid only if the calibration level shows variation in ash content is 1.0-2%. The online monitor and calibrator will hold a current calibration certificate traceable to national standards.

7.0 Location of Real-Time monitor:

The best location of real-time monitor for sampling from a moving stream is at the coal discharge point of a conveyor belt to bunker where the complete stream can be intersected at regular intervals.

8.0 Sampling frequency:

The continuous sampling of ash content in coal shall be carried out using realtime coal quality monitoring devices. In case of manual monitoring, minimum one sample from moving conveyor belt leading to bunker at each filling shall be collected. The data generated shall be computed and average for each quarter shall be calculated for reporting to concerned agencies as specified in the para 3.0 of this Office Memorandum.

9.6 Monitoring:

The following criteria will be observed when undertaking the sampling and analysis of coal samples with respect to ash content:

9.1 In case of manual monitoring

 Collection of coal samples shall strictly be collected as per the guidelines of Coal Controller/ Bureau of Indian Standards (BIS).

ii Coal samples shall be collected by the third party appointed by the respective thermal power plant, coal mine or company, as applicable. However, in case of legal sampling a representative of concerned SPCB, thermal power plant, coal mine or company, as applicable shall also be present during sampling.

Preparation of samples and analysis shall be carried out by using standard methodology as given by Coal Controller/ Bureau of Indian Standards (BIS) at the NABL accredited laboratory of either coal company/power plant or third party engaged.

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9.2 In case of Real Time monitoring

Data generated through real time online monitors shall be computed on daily basis an average of 3 months shall be calculated for reporting of compliance.

10.0 Monitoring records:

All power plants and coal mine or company, as applicable shall maintain records of the data generated and reported to SPCBs concerned, CPCB & Regional Office of MoEF&CC in compliance to the provisions of the notification for every quarter.

11.0 Compliance Reporting:

All thermal power plants covered under provisions of the notification shall submit compliance Report for each quarter with respect to average ash content in coal used by them to respective SPCBs. Regional office of the MoEF& CC and CPCB on or before 10th day of next month of each quarter ending on 31st day of March, 30th day of June, 30th day of September and 31st day of December every year. Similarly, all coal mine or company, as applicable, supplying coal to power plants shall also submit the same to agencies as mentioned in para 3 of this Office Memorandum.

In order to improve compliance reporting, the thermal power plants and connected coal mine or company, as applicable, should explore possibility of reporting of compliance on continuous basis (online) by making suitable arrangements with respect to ash content in coal being supplied and used by thermal power plants.

12.0 Verification of data & Compliance:

The SPCB concerned shall verify the sampling and analysis process and calibration of real time monitoring devices at least once a year at each thermal power plant and coal mine. Besides, random sampling and analysis of coal used by the power plant and supplied by coal mine shall also be conducted once in a year to ensure compliance and quality of data reporting by the thermal power plants and coal mines.

Manoranjan Hota)

To

- 1 PS to MEF&CC
- 2 PPS to Secretary (EF&CC)
- 3 Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
- 4 Secretary, Ministry of Power, Shram Shakti Bhawan New Delhi
- 5 Secretary, Ministry of Steel, Udyog Bhawan, New Deihi .
- 6 PPS to Addl. Secretary (HKP) AS (SK)/AS(MMK);
- 7 JS (MKS), JS(BS)
- 8 Chairman, CPCB/Member Secretary, CPCB
- 9 Member Secretary, All the SPCBs/PCCs
- 10- IT Division. MoEFCC to upload into the website

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भारत सरकार परमाणु ऊर्जा नियामक परिषद्



GOVERNMENT OF INDIA ATOMIC ENERGY REGULATORY BOARD

Case File Number: BR-55305-RF-NGD-001

Issuance Date: 18/02/2021

Document Number: 21-NGPROC-591820

Expiry Date: 18/02/2022

NO OBJECTION CERTIFICATE FOR IMPORT OF IONIZING RADIATION GAUGING DEVICE (IRGD)/ NUCLEONIC GAUGE (NG)

This has reference to your application 21-704178 dated 17/02/2021. In exercise of powers conferred under Section 16 of the Atomic Energy Act, 1962 read with Rule 3 of the Atomic Energy (Radiation Protection) Rules, 2004, (AE(RP)R, 2004) the Atomic Energy Regulatory Board (AERB) hereby issues No Objection Certificate (NOC) in favour of Mr. GYANESH KUMAR SINGH, MANAGER CHP MM from radiological safety stand point, to import the Ionizing Radiation Gauging Device (IRGD)/ Nucleonic Gauge (NG) as per Annexure-I.

The MANAGER CHP MM, BARH SUPER THERMAL POWER PROJECT, Patna and Mr. GYANESH KUMAR SINGH are hereby identified as the employer and the licensee, respectively, for the purpose of assigning the responsibilities specified in the AE(RP)R, 2004 in respect of radiation protection of workers and public because of the work with radiation carried out by BARH SUPER THERMAL POWER PROJECT, Patna.

The device shall be used only after obtaining the licence from the Competent Authority under the AE(RP)R, 2004. All the required statutory clearances, if any, should be obtained from relevant authority(ies). This NOC is subject to the terms and conditions stated in Annexure-II.

> Issuing Authority, Shri R. K. Singh Head, IAS

MR. GYANESH KUMAR SINGH BARH SUPER THERMAL POWER PROJECT NTPC LIMITED PO BARH DISTT PATNA, PATNA-803213, BIHAR



परमाणु ऊर्जा नियासक परिषद, नियासक भयस, अणुशक्तिसगर, सुंबई, 400094 (सहराष्ट्र) Atomic Energy Regulatory Board, Niyamak Bhavan, Anushaktinagar, Mumbai 400094 (Maharashtra) Jutudes

वेबसाइट/Website, www.aerb.gov.in

दरशाय/Tel: 91-22-2599 0656

фян/Fax: 91-22-2599 0650

ANNEX VI

CENTRAL ELECTRICITY REGULATORY COMMISSION NEW DELHI

Petition No. 11/SM/2015

Coram: Shri Gireesh B. Pradhan, Chairperson Shri A.K. Singhal, Member Shri A.S. Bakshi, Member Dr. M.K. Iyer, Member

Date of Order: 13.10.2015

In the matter of Roadmap to operationalise Reserves in the country

ORDER

The Electricity Act, 2003 entrusts on the Central Commission important responsibilities inter-alia of regulating the inter-State transmission of electricity, specifying grid code and also enforcing standards with respect to quality, continuity and reliability of service by licensees. Laying down of framework for effective and secure grid operation is thus one of the most important mandates of the Commission. The Central Commission has taken initiatives towards this end through regulations on Indian Electricity Grid Code and Deviation Settlement Mechanism and related matters. The Commission has also issued direction from time to time for enforcing grid discipline.

2. Over the period, reliance of the utilities on the grid for meeting their short term energy demand was increasing. This caused serious threat to grid security. The Commission, therefore, tightened the operating band of grid frequency and made deviation charges stringent enough to discourage the utilities from deviation from their schedule. This has started yielding the desired results in terms of operation of the grid

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closer to 50 Hz. The Commission has reiterated time and again that un-scheduled inter-change (UI) mechanism cannot be used as platform for meeting the energy demand of the utilities. Last mile imbalances are inevitable, but for this reliance on grid is not desirable. This need be planned for, and adequate reserves need be contracted to address such last mile imbalances.

- 3. The National Electricity Policy (NEP) mandates that adequate reserves may be maintained to ensure secure grid operation:
 - "5.2.3 In order to fully meet both energy and peak demand by 2012, there is a need to create adequate reserve capacity margin. In addition to enhancing the overall availability of installed capacity to 85%, a spinning reserve of at least 5%, at national level, would need to be created to ensure grid security and quality and reliability of power supply."
- 4. However, creation of adequate system reserve margin and spinning reserves at national level has not yet materialised. In furtherance to the provisions relating to the requirement of Spinning Reserves in the Electricity Act, 2003, National Electricity Policy and Tariff Policy, and to facilitate-large scale integration of renewable energy sources, balancing, deviation settlement mechanism and associated issues, CERC constituted a Committee vide letter No, 25/1/2015/Reg. Aff. (SR)/CT.RC dated 29th May 2015, under the chairmanship of Shri A.S. Bakshi, Member CERC, to examine the technical and commercial issues in connection with Spinning Reserves and evolve suggested regulatory interventions in this context.
- The Committee submitted its final report to the Commission on 17th September
 (annexed as Annexure-I). Major findings of the Committee are as under:

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- (a) Spinning Reserves are required to be maintained of requisite quantum depending upon the grid conditions. Operation at constant frequency target of 50.0 Hz with constant area interchange should be the philosophy adopted.
- (b) The Spinning Reserve may be maintained, to start with at the regional level in a distributed manner.
- (c) The respective RLDC should be the Nodal agency at the regional level and NLDC at the country level.
- (d) Each region should maintain secondary reserves corresponding to the largest unit size in the region and tertiary reserves should be maintained in a decentralized fashion by each state control area for at least 50% of the largest generating unit available in the state control area. This would mean secondary reserves of 1000 MW in Southern region; 800 MW in Western regions; 800 MW in Northern region; 660 MW in Eastern region and 363MW in North-Eastern region (total approx. 3600 MW on an All India basis). Primary reserves of 4000 MW should be maintained on an All India basis considering 4000 MW generation outage as a credible contingency. The same should be provided by generating units in line with the IEGC provisions.
- (e) The reserve requirement may be estimated by the nodal agency on day-ahead basis along with day ahead scheduling of all available generating stations.

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- (f) Implementation of AGC is necessary along with reliable telemetry and communication. The AGC may be planned to be operationalised in the power system from 1.4.2017.
- (g) It is essential that load forecasting is done at each DISCOM level, at each SLDC/State level and each RLDC/Regional level and finally at NLDC/country level.
- (h) It is also essential to forecast the generation from renewable sources of energy by the generators, and similarly by the DISCOMs, by the SLDCs and by the RLDCs.
- (i) To start with a regulated framework in line with the Ancillary Services Regulations may be evolved for identification and utilising of spinning reserves and implemented with effect from 1.4.2016. This framework may continue till 31.3.2017.
- (j) The reserves at the regional level, should be assigned to specific identified generating station or stations duly considering the various technical and commercial considerations including energy charges of the generating stations. The nodal agency should be empowered to identify the ISGS irrespective of type and size of the generating station for providing spinning reserve services and it should be mandatory for such generating stations to provide spinning reserve services.

Order in Suo-Motu Petition No. 11/SM/2015

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- (k) The nodal agency may have the option of carrying such reserves on one or more plants on technical and commercial considerations and may withhold a part of declared capacity on such plants from scheduling. It could be in terms of % of declared capacity or in MW term as deemed fit.
- (I) A framework as specified in the Central Electricity Regulatory Commission (Ancillary Services Operations) Regulations, 2015 may be followed for the Spinning Reserve Services as well. The Central Electricity Regulatory Commission (Ancillary Services Operations) Regulations, 2015 may be amended to incorporate the necessary changes in this regard.
- (m)Going forward, a market based framework may be put in place from 1st April 2017 for achieving greater economy and efficiency in the system. A detailed study is required to be carried out before the market mechanism on spinning reserves is put in place. It is suggested that the NLDC be directed to commission study through a consultant in the context and submit a proposal to the Commission for approval.

The Commission has carefully considered and accepted the findings of the Committee.

6. One of the important components of ensuring grid reliability includes achieving adequacy of supply and maintaining the load-generation balance. This poses a challenge to grid operators on various time-scales: on a daily level as weather varies, for example, on an hourly level as load varies during the day, and on sub-hourly/time-

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block level as there are errors in forecasting of load or unplanned outages of generating units or transmission lines. Sudden disturbances in the Power System can initiate a steep fall or rise in the frequency of the Power System, which can be detrimental to the Power System operation, if not contained immediately. Thus, to ensure 24x7 power supply and grid reliability, grid operators must have access to reserves at different locations and factoring transmission constraints, the system operators should be able to increase or decrease power supply on the grid at any time of the day.

7. Three types of reserves are generally considered depending on the timeline of initiation and functional need. Primary control refers to local automatic control available in all conventional generators, which delivers reserve power negatively proportional to frequency change. Such immediate automatic control is implemented through turbine speed governors, in which the generating units respond quickly to the frequency deviation as per droop characteristic of the units. However, this response to arrest frequency drop or rise lasts for short period of up to 30 seconds - 15 minutes, within which secondary control should come into play should the contingency last longer than that. IEGC section 5.2(i) specifies a provision for primary reserves, as under:

"The recommended rate for changing the governor setting, i.e., supplementary control for increasing or decreasing the output (generation level) for all generating units, irrespective of their type and size, would be one (1.0) per cent per minute or as per manufacturer's limits. However, if frequency falls below 49.7Hz, all partly loaded generating units shall pick up additional load at a faster rate, according to their capability."

However, this has not been adhered to fully by the generators.

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- Secondary control involves Automatic Generation Control (AGC) which delivers 8. reserve power in order to bring back the frequency and the area interchange programs to their target values. For AGC, units as well as load dispatch centres have to be equipped with necessary communication infrastructure, as it involves sending automated control signals from the LDC to the generator based on grid conditions. AGC has been absent in the Indian power system. Very commonly, this results in 'load shedding' by DISCOMs in case generation is lagging load. The Indian power sector was beset with scarcity for a long time; however, now the scenario is changing and margin for reserves is feasible. With a large interconnected grid meeting a peak load of over 145 GW, both primary and secondary controls are essential components for reliable grid operation.
- Tertiary control refers to manual change in the dispatching and unit commitment 9. in order to restore the secondary control reserve, as loss of generator may cause a system contingency that lasts for several hours.
- Traditionally, imbalance handling on the Indian grid has been done through the 10. Unscheduled Interchange (UI) or the Deviation Settlement Mechanism (DSM) framework, in which the frequency-linked UI rate gave a signal to the grid participants to correct for instantaneous frequency deviations. However, it led to use not meant for, and further grid indiscipline besides stress/constraints in the transmission network. While measures like tightening of the operating grid frequency band and provision for deterrent deviation charges, have been resorted to and this has resulted in improvement of grid operation, the Commission feels that the power system operation in

Order in Suo-Motu Petition No. 11/SM/2015

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the country still needs to mature further. Even now States have been deviating from schedule substantially. For instance, in 2014-15, Rajasthan deviated in the range of (+) 1202 to (-) 1324; UP in the range of 1613 to (-) 2291; Karnataka in the range of 945 to (-) 787 etc.; Tamil Nadu in the range of 546 to (-) 990; Gujarat in the range of 1174 to (-) 1162. These are not only undesirable but also a cause of serious concern. The DSM Regulations provide for a periodic review of the DSM rates and the Commission directs the Staff to undertake a review of the same and submit a proposal for consideration of the Commission.

and as such cannot be relied upon for meeting energy needs. Reserves and reserves alone can address this and the earlier the stakeholders realise this, the better it is for safe and secure system operation. Reserves assume greater significance additionally in the wake of the goal of integration of large scale variable renewable energy sources. With increasing penetration of variable and intermittent RE generation, flexible generation such as pumped storage hydro plants are needed. There is a need for more flexibility in the operation of conventional generation plants also and flexibility needs to be quantified, measured and duly compensated for. The Commission has already made a beginning in this direction by proposing amendment to the Indian Electricity Grid Code (IEGC) in respect of 'technical minimum' which is expected to be notified shortly. 'Ramp up' and 'ramp down' rates are other important parameters for flexibility which would gradually be introduced through Regulations.

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- The grid operator would now be required to undertake planning exercise to meet 12. Net Load, which is defined as: Net load = Load - RE power. This quantum must be met with conventional generation with adequate flexibility at every point in time. To even begin an exercise of planning for ongoing load-generation balance, load forecasting is essential. It is also necessary to ensure conventional generators to generate as per the schedules. Forecasting and scheduling of solar and wind generating stations is the next critical step for the grid operators to estimate the amount of RE power they can anticipate to be injected into the grid, on a day-ahead and hour-ahead basis. Thus, the variability that can be predicted in the forecasts must be accounted for in planning flexible generation as well as tertiary reserves day-ahead and hour-ahead. Furthermore, balancing the uncertainty of RE power on a continuous basis necessitates a streamlined process for deploying spinning reserves. This would be effectively balancing the forecasting error in net load.
- The Commission notified Central Electricity Regulatory Commission (Ancillary Services Operations) Regulations, 2015 on 19th August 2015 with the objective of utilizing un-requisitioned surplus in ISGS. These regulations are a first step towards the entire gamut of Ancillary Services, starting with tertiary frequency control services. Applicable to regional entities, the regulations outline a framework for both Regulation Up and Regulation Down service by Reserves Regulation Ancillary Services (RRAS) providers. NLDC along with RLDC, operating as the nodal agency, shall call for these services in varying situations, such as extreme weather events, loss of generating unit

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or transmission line outage, load-generation imbalance, etc. The RRAS providers shall be paid from the Regional DSM Pools.

- Furthermore, the Commission notified the Order on Extended Market Session on 14. Power Exchanges on 8th April, 2015, and the power exchanges started operating extended hours for intra-day products by end of July. The trading window is now open round-the-clock for delivery of power on the same day, with a 3-hour delivery timeframe. This can enable to significantly correct for intra-day imbalances in a proactive manner, and not passively rely on the grid for the same. It is expected that the Distribution Control Centres (DCCs) of DISCOMs also operate in a 24 x 7 manner to reap the advantages from these extended market sessions. Depending on the market needs, there is a need for newer products in the electricity market to provide more opportunities to the participants to balance their portfolio. The Commission directs the staff to examine this aspect of market design and submit a proposal for consideration of the Commission
- It is also expected that with provision for reserves and harnessing the same 15. through 'controls', the inter area power flows would be manageable and help in optimizing the Transmission Reliability Margin (TRM). This would benefit all stakeholders to a great extent.
- In due recognition of the above factors, the Commission would like to chart out a 16. road map for introduction of reserves in the country. Accordingly, the Commission directs as under:

Order in Suo-Motu Petition No. 11/SM/2015

- (a) For reliable and secure grid operation, to maintain continuous load-generation balance, to counter generation outages as well as unexpected load surges or crashes, and for large scale integration of variable renewable power, it is essential for the grid operators to have access to distributed Spinning Reserves which are dispatched taking due care of transmission constraints whenever required.
- (b) The Commission reiterates the need for mandating Primary Reserves as well as Automatic Generation Control (AGC) for enabling Secondary Reserves.
 - (i) All generating stations that are regional entities must plan to operationalise AGC along with reliable telemetry and communication by 1st April, 2017. This would entail a one-time expense for the generators to install requisite software and firmware, which could be compensated for. Communication infrastructure must be planned by the CTU and developed in parallel, in a cost-effective manner.
 - (ii) On the other hand, National/Regional/State Load Dispatch Centres (NLDC/RLDCs/SLDCs) would need technical upgrades as well as operational procedures to be able to send automated signals to these generators. NLDC /RLDCs and SLDCs should plan to be ready with requisite software and procedures by the same date.

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- (iii) The Central Commission advises the State Commissions to issue orders for intra-state generators in line with this timeline as AGC is essential for reliable operation of India's large inter-connected grid.
- (c) To start with, a regulated framework in line with the Ancillary Services Regulations would need be evolved for identification and utilising of spinning reserves and implemented with effect from 1st April, 2016. This framework may continue till 31st March, 2017. This may only include generating stations regulated by CERC, which could be started off with a manual process for secondary reserves. The NLDC/POSOCO is directed to submit a detailed procedure in this regard for approval by the Commission within one month from the issue of this Order. The amendments required in various Regulations issued by the Commission would also need to be indicated. As the Renewable Energy (RE) penetration levels increase in the coming years, the impact on the quantum of reserves would need to be separately studied and provided for through further amendments.
- (d) In the long term, however, a market based framework is required for efficient provision of secondary reserves from all generators across the country. For this, NLDC/POSOCO is directed to commission a detailed study through a consultant and suggest a proposal to the Commission for implementation by 1st April, 2017, giving due consideration to the experience gained in the implementation of Spinning Reserves w.e.f. 1st April, 2016.

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- (e) The States must undertake separate scheduling and energy accounting of all generating and load entities. Deployment of DSM framework shall greatly prepare the State to differentiate between and attribute deviations caused due to various entities involved. Recording of this data shall also give the State grid operator much needed clarity on which entities are responsible for schedule deviations, and to what extent.
- (f) Load forecasting must be undertaken by all DISCOMs. Combined with DSM, it is the foundation on which strong and reliable grid management can be built.
- (g) In order to ensure reliable and secure operation of the grid, in addition to compliance to standards and regulations, adequate defense mechanisms such as Under Frequency Relays (UFRs), df/dt (rate of change of frequency), System Protection Schemes (SPS), etc. must be put in place and which also need to be periodically reviewed and checked for healthiness.
- The petition is disposed of in terms of the above directions.

sd/-(Dr. M.K. lyer) Member

, sd/-(A. S. Bakshi) Member

sd/-(A.K. Singhal) Member sd/-(Gireesh B. Pradhan) Chairperson

Order in Suo-Motu Petition No. 11/SM/2015

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केन्द्रीय विद्युत विभियामक आयोग CENTRAL ELECTRICITY REGULATORY COMMISSION



नई दिल्ली NEW DELHI

याचिका संख्या. /Petition No.: 319/RC/2018

कोरम/Coram:

श्री पी. के. पुजारी, अध्यक्ष/Shri P. K. Pujari, Chairperson डॉ. एम. के. अय्यर, सदस्य/ Dr. M.K. Iyer, Member श्री आई. एस. झा, सदस्य/ Sh. I.S. Jha, Member

आदेश दिनांक /Date of Order: 28th of August, 2019

IN THE MATTER OF

Automatic Generation Control (AGC) implementation in India

AND

IN THE MATTER OF

National Load Despatch Centre Power System Operation Corporation Ltd. (A Government of India Enterprise) B-9, Qutab Institutional Area, Katwaria Sarai New Delhi-110016

...Petitioner

VERSUS

- NTPC Limited, Plot No A-8A, Sector-24, Noida, Uttar Pradesh, India- 201301
- NHPC Limited, N.H.P.C Office Complex, Sector-33, Faridabad – 121003, Haryana

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- Member Secretary,
 Western Regional Power Committee
 F-3, MIDC Area,
 Andheri (East),
 Mumbai-400 093
- Member Secretary,
 North Eastern Regional Power Committee
 NERPC Complex,
 Dong Parmaw,
 Lapalang,
 Shillong-6
- Chief Engineer (Grid Management),
 Central Electricity Authority Sewa Bhawan,
 R.K.Puram,
 New Delhi-110 022.
- 196. Chief Engineer (National Power Committee), Central Electricity Authority, 18-A, Shaheed Jeet Singh Sasanwal Marg, Katwaria Sarai, New Delhi-110 016

... Proforma Respondents

Parties Present: Shri S.R. Narasimhan, NLDC Shri N. Nallarasan, NLDC Shri Phanisankar Chilakuri, NLDC

ORDER

The Petitioner, National Load Dispatch Centre (NLDC) is the system operator at the national level and has made the following prayers:

- a) Direct all ISGS stations whose tariff is regulated / determined by CERC to install equipment as per the requirement mentioned in the Petition at the unit control rooms for transferring the required data for AGC by 30th June 2019.
- b) Direct all ISGS stations whose tariff is regulated / determined by CERC to ensure communication from nearest wide band node to the RTU in the unit control room by 30th June 2019.
- c) Direct Central Transmission Utility (CTU) to ensure communication availability

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from NLDC/RLDCs to nearest wide band node/switchyard for the generating stations in a redundant and alternate path ensuring route diversity and dual communication by 30th June 2019.

- d) Decide the mark up price for secondary regulation service through AGC.
- e) Allow NLDC/RLDCs to test, tune and operate the AGC system for providing the signals to the power plants as and when they comply with the directions above.
- f) Allow any variation in the generation during testing phase to be settled under DSM.
- g) Allow NLDC/RLDCs to put all the Phase-I plants under continuous operation on AGC before 31st December 2019.
- Direct Phase-II plants in the detailed modus operandi to provide infrastructure at RTU/internal communication.
- i) Road map for implementation of AGC at RLDCs in future may be accepted.
- Pass any other orders as this Commission may deem fit and proper under the given facts and circumstances.

SUBMISSIONS OF THE PETITIONER

- 2. The Petitioner has submitted that vide Order dated 13.10.2015 in petition no 11/SM/2015, the Commission gave the roadmap for 'Operationalization of Generation Reserves in the Country'. The Order mandated that each region should maintain primary, secondary and tertiary reserves. The objective of the Order was to introduce 'Spinning Reserves' in the country, which is one of the important components for ensuring grid security, quality and reliability by achieving adequacy of supply and maintaining load-generation balance. All generating stations that are regional entities were directed to 'must plan' operationalization of Automatic Generation Control (AGC) along with reliable telemetry and communication by 01.04.2017. The Commission noted that this would entail a one-time expense for the generators to install requisite software and firmware, which could be compensated for and that the communication infrastructure must be planned by the Central Transmission Utility (CTU) and developed in parallel, in a cost-effective manner.
- The Commission directed the Petitioner to upload the detailed modus operandi on 'Operationalization of Spinning Reserves' on NLDC website and seek comments from the

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stakeholders by 11.08.2017 and file the comments received from stakeholders within two weeks thereafter. Accordingly, the report was also uploaded on the NLDC website.

- 4. The Petitioner has submitted that the detailed implementation plan was also discussed in the National Power Committee (NPC) meeting held at Indore on 08.09.2017. An agenda on 'secondary frequency control' was sent to NPC for discussion in the respective Regional Power Committees (RPC). The Expert Group constituted (in May 2017) by the Commission to review and suggest measures for bringing power system operation closer to National Reference Frequency, recommended that the frequency control continuum as given in their report may be adopted and included as part of the Grid Code (hereinafter referred to as 'IEGC') through an amendment to Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010. Further, it was recommended that AGC must be implemented throughout the country at the earliest in line with the Commission's recommendation of treating a region as a balancing area and that the Performance Metrics for AGC payments may be introduced once sufficient experience is gained through the pilot project (carried out at Dadri generating station of NTPC). AGC at the intra-State level, particularly for large states, was to be implemented in line with directions by the Appropriate Commission(s).
- 5. The Petitioner has submitted that the Commission in its order dated 06.12.2017 in Petition No. 79/RC/2017 approved the Commissioning of the AGC Pilot Project between NLDC and NTPC Dadri Stage-II and various developments in the AGC Pilot were acknowledged by the Commission. Vide the above order, the Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Dadri Stage-II was successfully taken under remote as a part of AGC pilot project from NLDC from 1225 Hrs. of 04.01.2018 and is under continuous operation. Further, data is being submitted by NLDC to NRPC in the agreed format on a weekly basis.
- 6. The Petitioner has submitted that Karnataka Power Transmission Corporation Limited (KPTCL) together with (United States Agency for International Development (USAID) has proposed AGC pilot project on Varahi and Sharavathi Hydro Power Plants. On 10.02.2018, SRLDC, USAID and NLDC visited NP Kunta solar park in Andhra Pradesh for understanding the feasibility of AGC implementation. USAID agreed to take the AGC implementation at NP Kunta Solar power project under 'Greening the Grid' (GtG)-RISE

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project. The matter was also discussed in the 33rd meeting of SRPC held on 17.02.2018 at Puducherry. A workshop was organised by USAID and NLDC on 15.05.2018 at Andhra Pradesh SLDC, Vijayawada to explain the basic architecture of the AGC project and the proposed project at NP Kunta to stakeholders.

- On 18.05.2018, Letter of Award was issued by NTPC Simhadri to M/S Siemens for 7. the supply, testing and commissioning of software and hardware and implementation of the AGC pilot project at NTPC-Simhadri. AGC on Barh (Eastern Region), Bongaigaon (North Eastern Region) and Mauda (Western Region) are power plants of NTPC under contracting phase of implementation.
- 8. The Petitioner has submitted that it has started up-gradation of SCADA from October 2017. AGC set up is envisaged to be capable of sending and receiving AGC signals to all Regional Entity generating stations to start with for the first time in India. The RLDCs' SCADA/EMS system was recently upgraded before AGC was notified through the Commission's Order. Hence, considering a region as a balancing area, AGC is being implemented through NLDC, which is a unique experiment as five (5) AGCs are being operated from a single control center at NLDC. Further, as a next step, discussion could start on the roadmap to progressively shift AGC control to RLDCs over the next 3-5 years. At the intra-regional level, discussion at RPC level is on for introducing AGC at least in the few intra-State generators in RE-rich States.
- 9. The Petitioner has submitted that the CERC (Communication System for inter-State transmission of electricity) Regulations, 2017 has provided detailed roles and responsibilities of various organizations with respect to communication. NLDC was given the responsibility for preparation and issuance of guidelines with the approval of the Commission on the interfacing requirements in respect of terminal equipment, RTUs, SCADA, PMUs, Automatic Generation Control (AGC), Automatic Meter Reading (AMR), Advanced Metering Infrastructure (AMI), etc. and for data communication to the respective control centres. The Generic Technical Specifications for AGC connecting equipment that has to be procured by the power plants were prepared by the Petitioner based on the experience of the AGC pilot project (at Dadri) for full scale implementation of AGC. Generating stations have to install AGC connecting equipment at the unit control rooms for transferring the required set of data for AGC.

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10. The Petitioner has submitted that Regional Secondary Reserves quantum, mandated by the Commission are given as below:

Secondary Reserves quantum needed in MW (Region wise)	
NR	800
ER	660
WR	800
SR	1000
NER	363
Total	3623

11. The Petitioner has suggested that the detailed implementation plan pan-India for AGC implementation is proposed in the following manner:

Phase-I

(a) Inter-State Generating Stations (ISGS) generators, whose tariff is regulated/adopted by the Commission, are proposed to be made capable of participating in 'Secondary Control' since the tariff for these generators is already available and there are fewer communication issues. This is also because in case of these generating stations, Ancillary Services/ AGC Pilot Project Framework is available for settlement (without the refund of fixed charges as mentioned in the Half Yearly Feedback on Ancillary Services and CERC Order on AGC Pilot Project) and, therefore, its implementation is expected to be dispute free. However, limiting AGC implementation to only these generating stations may not be sufficient to ensure availability of the full quantum of reserves as mandated by the Commission.

Phase-II

(b) All Regional Entity generating stations scheduled by RLDCs (over and above the Phase-I power stations mentioned above) can be made capable of participating in secondary control. However, Declared Capability (DC) at present is not taken from these generating stations by RLDCs. Some Independent Power Producers (IPP) have part Power Purchase Agreements with discoms/ traders while part capacity is untied, and power is sold under merchant contracts. Tariff for these generators has to be

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decided and agreed upon a priori for secondary control participation of these generators. DC and Schedule have to be obtained from these generators similar to Central Sector generating stations for reserve estimation. Many of these regional entity generating stations operate in the day-ahead energy market and the day-ahead prices may have a significant role in respect of these generating stations as far as availability to the grid at any instant is concerned. Low prices in the Day-Ahead Market (DAM) on a sustained basis may lead to many of these units remaining off the grid. The following, inter-alia, may be the requirements for the Regional entity generating stations equipped under Secondary Control:

- The generating stations shall bear the cost of secondary control hardware at the generating station end including the cost of the fibre optic cable from the generating station control room to the nearest communication node.
- Share DC and Schedule like ISGS generators on day ahead basis and subsequent revisions with RLDCs.
- · Payment for energy and incentive will be as decided by the Commission.
- The generating stations shall have working control systems for turbine, boiler and governor. Governor response plots/ graphs of past incidents have to be submitted to concerned RLDC.
- Existing wide band communication node to be established within a radius below 30-40 km from the plant to communicate with the nearest RLDC. Distance need not be a binding limitation and the connectivity of the generating station with the communication node can be seen on case to case basis based on merit.
- 12. The Petitioner has submitted that Primary, secondary and tertiary generation reserves are required for frequency control and ensuring reliable operation of the grid, particularly under high Renewable Energy (RE) penetration. Primary control provision has been existing in the IEGC but its enforcement has been an issue that has been highlighted before the Commission. Secondary control had been absent in the system so far while tertiary frequency control was introduced only in April 2016 through the Central Electricity Regulatory Commission (Reserves Regulation Ancillary Services) Regulations, 2016 (or for short, RRAS Regulations). Through Order dated 16th July 2018 in Petition No. 07/SM/2018, Fast Response Ancillary Services or FRAS was ordered by the Commission for central sector hydro stations and is under implementation phase.

Order in Petition No. 319/RC/2018

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- 13. The Petitioner has submitted that the following issues become important when one looks at the entire continuum of frequency control:
 - i. Ensuring accurate load forecasting and Renewable Energy (RE) forecasting: This is the first step towards reliability as generating units need to get committed based on the forecasts. Starting from Discom level, the forecasts need to be aggregated for the State at SLDCs level, at RLDCs for the regional level and at NLDC for the All-India level.
 - ii. Evaluating Area Control Error (ACE) of each control area: Bias may be taken as equal to Frequency Response Characteristics (FRC) of the State in past ten events. For ACE, high quality measurement of line flows and frequency at 10 seconds or better periodicity at LDCs is a must. Further, seamless transfer of schedule data from off-line systems to SCADA must be ensured. RLDCs are already bringing forth the non-availability of real time data in the RPC forums and this needs to be addressed promptly.
 - iii. <u>Primary Response</u>: The SLDCs must also monitor the primary response from the generating units within the State and report to the respective SERCs as directed by CERC vide its order dated 31st July 2017 in Petition No. 84/MP/2015.
 - iv. Measurements: For AGC, high quality measurements are needed for inter-regional tie lines and generating stations under AGC. As stated above, periodic monitoring of the data quality needs to be done at the RPC forums and chronic problems of non-availability of data are addressed promptly so that real time operation is smooth.
 - v. Fiber Optic Communication: Fiber optic communication from Regional Entity generating station to nearest CTU node and from there on to RLDCs/ NLDC is a must and it could be closely monitored through the RPC forums. This is required irrespective of whether we have a regulated system of secondary reserves procurement or a market based one.
 - vi. <u>Participation</u>: ACE is allocated to the generating stations under AGC based on the selected participation factor mode in the AGC software. The participation of each generating station will be calculated by the AGC software based on the weightage assigned to different attributes of the plant and the grid. Spinning reserve availability, ramp rate and variable cost of the generating station are the important attributes that are typically considered. In case of inter-/ intra-regional transmission constraints during

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outages, certain plants may not be able to participate in AGC till normalization of transmission system.

- 14. The Petitioner has submitted that 'Spinning Reserves' viz. DC on bar minus schedules available in real time in ISGS is currently used for rescheduling/ tertiary reserves by States, tertiary frequency control through Reserves Regulation Ancillary Services and now being envisaged for secondary control through AGC. It is also available for primary control though the IEGC clearly specifies that the schedules should not exceed capacity on bar less Normative Auxiliary Consumption. This ensures that even if the power plant is fully scheduled, the overload capacity and margins in auxiliary consumption is able to provide primary response.
- 15. The Petitioner has submitted that after the forecast of load and RE generation, the scheduling of conventional generation resources by the States assumes importance. Here, apart from scheduling, the States also need to indicate the amount of hot spinning reserves it is holding. The reserves could be held either within the State or at the ISGS where the State has a share but it should be replenished whenever there is a contingency such as a generating unit tripping within the State. Unless such a mechanism is in place, the secondary control would not work as all the reserves would get depleted quickly. DC on bar less the schedules equals the hot spinning reserves. It was observed that hot spinning reserve gets depleted daily during the morning and evening peak hours when States requisition their full entitlement. Under this situation, the State utilities ought to have reserves elsewhere within the State.
- 16. The Petitioner has submitted that on 06.09.2018, the Commission has issued a discussion paper on 'Redesigning Ancillary Services Mechanism in India' and comments were invited from stakeholders. The Petitioner is of the view that the physical infrastructure in terms of communication and suitable hardware/ software at the power plants is sine qua non for secondary control through AGC irrespective of whether the same is regulated or market-based. The only variable is the quantum of secondary reserves required on day to day basis.

PROCEEDINGS DURING HEARING

17. The Petition was admitted on 25.10.2018. During the hearing on 31.1.2019, the

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Petitioner submitted that the present petition has been filed for implementation of AGC in India.

18. The Petitioner further submitted that the Commission in its Order dated 06.12.2017 in Petition No. 79/RC/2017 approved the commissioning of AGC pilot project between NLDC and NTPC Dadri Stage-II and the Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Accordingly, one plant in each region has been identified and AGC has also been commissioned in Simhadri and Mauda generating station.

19. The Petitioner requested the Commission to direct ISGS to install the equipment in power plants for accepting signals from NLDC. After hearing, the Commission directed the Petitioner to furnish the Minutes of Meeting held with RPCs wherein RPCs have given their consent to the AGC pilot project. The Commission further directed the Petitioner to submit the feedback report on the operation of AGC at NTPC Dadri Stage-II along with the summary of findings of this pilot project.

20. The Petitioner has complied with the directions and submitted the minutes of the special meetings on AGC pilot project which were held with all RPCs. The Petitioner has also submitted the feedback report before the Commission on 15th February 2019, highlighting the learning from the pilot project. Several learning including those on the implementation aspects, communication protocols, generator regulation and load following capabilities, metering, monitoring, visualisation, accounting etc. were gathered via pilot project and explained in the feedback report. The Pilot projects have also provided capacity building in the field of AGC which will be useful during implementation of secondary control on a large scale.

ANALYSIS & DECISION

 We have heard the Learned Counsels for the Petitioner and have carefully perused the records.

22. The Commission is of the view that the most important responsibility of the Power System operators is to maintain reliability of the Power System by maintenance of Load -

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Generation balance. For a large complex grid such as the Indian grid, primary, secondary and tertiary frequency controls are must-have tools to ensure reliability. With the objective of ensuring grid security, quality and reliability, the Commission vide Order dated 13.10.2015 in Petition no 11/SM/2015 had laid down a roadmap for 'Operationalization of Generation Reserves in the Country'. It was envisaged that apart from the primary reserve at the national level, secondary reserve should be maintained by each region and tertiary reserve by each State. All the generating stations that are regional entities were directed to plan to operationalize AGC along with reliable telemetry and communication by 01.04.2017. The NLDC was directed to submit a detailed procedure to operationalize reserves in the country vide Order dated 13.10.2015.

- 23. The Commission notes that an 'outline procedure' was submitted by NLDC vide letter dated 15.12.2015 in which it was proposed to take up a pilot project with one of the NTPC plants in a region based on which further activities could be taken up. On 05.02.2016, NLDC was advised to submit the draft detailed procedure and implementation plan for operationalization of Reserves within three months of implementation of Ancillary Services Regulations. After various brainstorming sessions and meetings, NLDC submitted the detailed procedure on Operationalization of Spinning Reserves on 14.07.2017 and recommended that secondary control should be added as an Ancillary Service.
- 24. The Commission observes that the 'National Electricity Policy' also mandates that adequate reserves may be maintained to ensure secure grid operation. The Commission is of the view that collective efforts of the stakeholders in implementation of the AGC are a step forward and will go a long way in development of the secondary reserves in the country leading to stable frequency operation and grid security and reliability.
- 25. The Commission observes that the feedback on implementation of AGC submitted by NLDC highlights the need for enhancing adequacy of reserves in the country. It has been stated that valuable experience has been gained in terms of implementation aspects, communication protocols, generator regulation and load following capabilities, cyber security etc. which is useful during implementation of secondary control on a large scale. The Petitioner has submitted that from the interactions with national and international experts on power systems and experience with Ancillary Services till date, the general understanding was that different solutions as a package like load and Renewable Energy (RE) generation

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forecast, proper portfolio management by the States, primary response from the generators, secondary control in the form of AGC, Ancillary Service products in different timeframes etc. are needed for stable frequency operation of the power system. No unique solution existed. NLDC report emphasised that a bad or no forecast of load/ RE generation and poor portfolio management by the State utilities would lead to heavy deviations from schedule and grid indiscipline exhausting all reserves in the system and making the system insecure. AGC effectiveness would have to be seen in this overall context. It was further highlighted in the feedback report that deployment of two-three plants under AGC with 200 MW-300 MW reserve might not be sufficient for a grid size like that of India. The Commission observes that the Expert Group on 'National Reference Frequency' in its report submitted to the Commission in November 2017 recommended that AGC must be implemented throughout the country at the earliest and Performance Metrics for such AGC payments may be introduced once sufficient experience is gained through the pilot project.

- 26. The Petitioner has suggested that implementation of AGC be undertaken in Phases. Under Phase-I, ISGS generators, whose tariff is regulated/ adopted by the Commission, are proposed to be made capable of participating in 'Secondary Control'. Dadri Stage-II NTPC in Northern Region was the first AGC pilot project of the country which was approved by the Commission vide Order in Petition No.79/RC/2017 on 06.12.2017 and is in continuous operation from 1225 Hrs. of 04.01.2018. The Commission also directed that similar pilot projects may be replicated by NLDC, in at least one other regional grid of the country. Accordingly, four more AGC pilot projects have been/are being implemented viz. Simhadri Stage-II in Southern Region, Mauda Stage-II in Western Region, Barh Stage-II in Eastern Region and Bongaigaon in North-Eastern Region.
- 27. The Commission observes that there is one-time expense involved for the generators to install requisite software and firmware. The Commission has been informed that the implementation cost i.e. placing of order for the equipment and integration cost of the four AGC pilot projects which have been commissioned viz. Dadri Stage-II NTPC in Northern Region Simhadri Stage-II in Southern Region, Mauda Stage-II in Western Region and Barh Stage-II in Eastern Region, is in the range of Rs. 30.00 lakhs to Rs. 50 lakhs per generating station. The Commission accepts the Petitioner's proposition that the cost of such equipment at generating stations for AGC implementation is not significant and ideally all ISGS stations should be AGC enabled. The Commission notes that majority of the thermal stations

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regulated by the Commission have station capacity of 200 MW and above and the AGC support is mainly expected from these facilities apart from the hydro generating stations other than Run-of-River projects. It will therefore be prudent, also from the point of view of cost effectiveness to ensure that the thermal generating stations with installed capacity of 200 MW and above and all hydro stations with capacity exceeding 25 MW necessarily have the capability to provide AGC support. Further, the Commission is of the view that with due regard to the nature of the Run-of-River Hydro projects it may not be advisable to mandate such plants to provide AGC support, as this might lead to spillage/ under-utilization of water, which should be avoided. Accordingly, the Commission directs all thermal Inter State Generating Stations (ISGS) that are regional entities with installed capacity of 200 MW and above and all hydro stations with capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by the Commission, to install the required software and firmware for implementation of AGC at the unit control rooms for transferring the required set of data for AGC. These regional entity generators may approach the Commission under relevant regulations and provisions of PPA for compensation of this one-time cost. The Commission also directs the Central Transmission Utility and the NLDC to commission the required communication system in parallel.

- 28. Once the aforesaid generating stations are AGC enabled, NLDC/ RLDCs shall be allowed to test, tune and operate the AGC system for providing the signals to the power plants. With this decision to make the ISGS stations AGC compliant, the Commission is of the view that any other pilot beyond the five pilots already initiated by NLDC, may not be needed.
- 29. As regards compensation for AGC support and deviation charges, it is clarified that the framework in this regard as stipulated in the Commission's Order in Petition no. 79/RC/2017 dated 06.12.2017 shall apply to the five pilot projects as also to other ISGS as and when they are AGC enabled. This arrangement shall remain in place till further Orders or till relevant regulations inter-alia on compensation for AGC services are framed by the Commission.
- The Commission has noted the suggestions of the Petitioner for covering under Phase-II, other regional entity generators (other than those whose tariff is determined or adopted by

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the Commission). The Commission is of the view that decision on this issue cannot be taken in the present petition. It needs wider consideration.

31. The Commission observes that NLDC in its report on implementation of RRAS, has recommended moving towards market-based procurement of ancillary service for a more robust design. The relevant excerpt is reproduced below:

"Once the scope of present implementation of ancillary services is enlarged from the regulated generation stations at inter-state level to include state-level generators also, a critical mass would be achieved. Moreover as more and more generators start participating in regulation services, closer monitoring of the performance of generating stations would also be needed. The implementation would also be more robust by design and subsequently, based on the experience gained, market based procurement of ancillary services could also be thought of."

- 32. The Commission is of the view that the experience gained under RRAS underlines the need for a calibrated approach to transform the extant administered Ancillary Services mechanism to a market-based mechanism with the objective of increasing the ambit of potential providers of such services at efficient costs and enhanced reliability of the grid. The Staff Paper on 'Redesigning Ancillary Services Mechanism in India' issued by staff of the Commission on 06.09.2018 has highlighted that the physical infrastructure in terms of communication and suitable hardware/ software at the power plants is sine qua non for secondary control through AGC irrespective of the fact whether the same is regulated or market-based. The only variable is the quantum of secondary reserves required on day to day basis.
- 33. The Commission observes that given the changes in technology, generation mix and increasing decentralized generation, and locational ancillary requirements, long term bilateral contracts for ancillary support should be avoided. Same resource can provide multiple flexibility services. For example, a generator that can provide fast tertiary response can also provide slow tertiary response. An arrangement which bundles multiple flexibility services has some advantages by allowing such generators to utilize their capabilities to serve various system requirements thereby reducing the cost of providing individual services. Accordingly, the Commission directs the staff of the Commission to initiate a comprehensive review of Ancillary services framework based on these principles, and present to the Commission for suitable decision.

SUMMARY

- 34. In the interest of reliable and safe grid operation, the Commission directs that all the ISGS stations whose tariff is determined or adopted by CERC shall be AGC-enabled and the ancillary services including secondary control through AGC be implemented as per the following direction:
 - i. All thermal ISGS stations with installed capacity of 200 MW and above and all hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC are directed to install equipment at the unit control rooms for transferring the required data for AGC as per the requirement to be notified by NLDC. NLDC shall notify the said requirements within one month of this order.
 - ii. All such ISGS stations whose tariff is determined or adopted by CERC shall have communication from the nearest wide band node to the RTU in the unit control room.
 - iii. The Central Transmission Utility (CTU) is directed to have communication availability from NLDC/ RLDCs to the nearest wide band node/ switchyard for the generating stations in a redundant and alternate path ensuring route diversity and dual communication.
 - iv. The NLDC is also directed to commission the required communication infrastructure.
 - v. The expenditure as a result of compliance of the above directions may be claimed as per relevant regulations or provisions of the PPA.
 - vi. The NLDC is directed to monitor implementation of the above directions so that all the ISGS stations whose tariff is determined or adopted by CERC are AGC-enabled within six months of this order.
- vii. The framework regarding compensation for AGC support and deviation charges as stipulated in the Commission's Order in Petition no. 79/RC/2017 dated 06.12.2017 shall apply to the five pilot projects as also to other ISGS as and when they are AGC enabled. This arrangement shall remain in place till the relevant regulations interalia on compensation for AGC services are framed by the Commission.
- viii. NLDC/RLDCs are allowed to operate the AGC system for enabling the signals to the power plants at the earliest.

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- ix. All new thermal ISGS stations with installed capacity of 200 MW and above and hydro stations having capacity exceeding 25 MW excluding the Run-of-River Hydro Projects irrespective of size of the generating station and whose tariff is determined or adopted by CERC shall mandatorily have the capability to provide AGC support.
- 35. With the above directions, Petition No. 319/RC/2018 stands disposed of.

Sd/-	Sd/-	Sd/-
आई. एस. झा	डॉ एम. के. अय्यर	पी. के. पुजारी
सदस्य	सदस्य	अध्यक्ष

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सेंट्रल ट्रांसिमशन यूटिलिटी ऑफ इंडिया लिमिटेड CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED

(Wholly Owned Subsidiary of Power Grid Corporation of India Limited) (A Government of India Enterprise)

Ref. No.:PG/ER-I/RHQ/Comml./39/21-22/642

Date: 03.08.2021

Addl. General Manager (Commercial-I/C)

NTPC Ltd., Eastern Region-I, Head Quartes,

Loknayak Jaiprakash Bhawan, 2nd Floor, Dak Bunglow Chowk,

Fraser Road, Patna-800001(Bihar)

Kind Atta.: Shri Sunit Kumar

Subject: Regarding RTDA bill dated 08.07.2019 in respect of Barh STPS Stage-II, Unit-IV.

- Ref: 1. ERPC Letter ERPC/COM-1/REA/2018/3780-3798 dtd. 02.02.2018
 - RTDA Bill-4 dtd. 08.07.2019
 - Your letter ER-I/HQ/COMML./PGCIL/15 dtd. 08.08.2019
 - Our letter CC:Comml:NTPC-Barh dtd. 06.09.2019
 - MoM of 44th CCM meeting dated 07/07/2021 of ERPC

Dear Sir,

This is in reference to ERPC MINUTES OF 44th CCM MEETING dated 07.07.2021 on subject matter. It is to mentioned that CTU has raised the RTDA bill amounting to Rs. 34,75,01,882/- as per Regional Transmission Deviation Account (RTDA) issued by ERPC vide letter dated 02.02.2018.

The matter has been discussed regarding the above outstanding dues in 44th CCM Meeting dated 07.07.2021. During the said meeting, NTPC informed that they have already filed a writ petition in Hon'ble Supreme Court against CERC Petition no. 130/MP/2015 of order dated 20th September, 2017. However, NTPC further informed that there is no stay order from Hon'ble Supreme Court in this regard.

The Members of the 44th CCM pointed out that there is no link between capital cost adjustment and the RTDA bill payment. The committee opined that as per the CERC order the power injected during the period 15.11.14 to 08.03.16 is treated as infirm power injection and the payment liability of RTDA charges in this regard has to be fulfilled by NTPC.

In view of 44th CCM direction, it is once again requested NTPC to liquidate the outstanding dues of Rs. 34,75,01,882/- on account of RTDA charges immediately to disburse the same to DIC's.

Thanking you.

Yours faithfully,

For and on behalf of CTUIL,

23/3/8/202

(MK Agarwal) Sr. General Manager (Comml.)

Copy to:

Member Secretary, ERPC, Kolkata

Executive Director, ERLDC,POSOCO,Kolkata

Registered Office: Plot No.2, Sector-29, Gurugram, Haryana-122 001 CIN U40100HR2020GOI091857, Tel.: 0124-2571700-719 पंजीकृत कार्यालय:" , प्लॉट नंबर 2, सेक्टर -29, गुरुग्नाम -122001 CIN U40100HR2020GOI091857,), ब्रुआप: 0124-2571700-719

Silendra



Our Ref: ABB/NTPC EOS/OBSO1

Date: July 12, 2022

To, M/S NTPC Limited EOC, Sector 24, NOIDA.

Kind Attn: Mr. Some Nath Kundu

Ref: Offer No. PAEN.PG.RN.22.0071 & telephonic conversation

Subject: Obsolescence Windows Operating Systems and lifecycle support of ABB OEM software

Dear Sir.

ABB has been adjudged by ARC as the global leader in providing Lifecycle Services to its customers. We keep our customers updated about the lifecycle of the system components.

This brings us to the HMI & Server software of the ABB DCS installed at the locations in the table below. Microsoft, the OEM of the operating systems (OS), has made End Of the Life announcement of the respective software mentioned in the table below. DELL & HP has made similar announcements about the respective hardware.

	Project Description		Se	rvers		- N	OWE
Site	Unit	OS	App	Hw	-		ows
Barn	U4/U5/AHP/CHP/W.MKUP/CHP			Contraction of the second of	OS	App	HW
Farakka	U1/U2/U3/Comm	Serv. 2008	PGP	DELL Poweredge R710	Win7	PGP	DELL Precision 3500
Lara	The state of the s	Serv. 2008	PGP	HP Profant ML350	Win 7	PGP	HP Z230
1000	TDBFP1 82	Win 7	S+ 2.0		Win 7		
Kahaigaon	U5	Serv. 2003	PGP	Bett k	WinXP	5+2.0	10200000000
Taicher	TDBFP2	l'annual annual	Section (1)	DELL PoweredgeT440	WILLY	PGP	Dell 3630
Vindhyachal	U1 To U6	Serv. 2003	5+20		Win 7	S+ 2.0	
Singrauli	100000000000000000000000000000000000000	Serv. 2008	PGP	DELL Poweredge 730	Win 7	PGP	DELL 3620
an gradii	U4/U5	Serv. 2003	PGP	HP Prolant	WinXP	PGP	HP

ABB continues to offer "Limited support" to the above-mentioned Application software however we carry the risk of hardware failure, no IT OEM/OS/Antivirus support, and more importantly system been vulnerable to cyber risk. We strongly recommend evolving the system to latest ABB S+ V3.3 software compatible with Windows Server 2019 & Windows 10 LTSC. This version of S+ is actively sold and supported by ABB.

This will bring host of additional advantages like updated antivirus, subscription to patch updates and access to "ABB My Control system".

We thank you for considering our proposal actively. Please contact the undersigned in case any further clarification is required.

Sincerely Yours

or & On behalf of ABB India Limited

Rajesh Raina

Associate Sales Director -Power & Water Services

Process Automation - Energy Industries

Telephone

ABB India Limited

Marriabina

Principal place of business: ABB into Insed Pat No AA 5 A 5

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Registered Office and Corporate Office ABII India Limbed Plantas 3.6.6, P. Stinge Plantas Sello, P. Stinge Plantas Sello, 256 Bengains - 560 (258) Telephone
-91 80 2294 9150 - 94.
Wert Allo www.abb.com/er
as
-01 80 2294 0148

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BALANCE SHEET 2019-20



BARH THERMAL POWER PROJECT

SIA	TEMENT OF PROFIT AND LOSS	DATOTO	24 02 2020	(Amount in ₹) 31.03.2019
	For the Year ended	Note	31.03.2020	
01	Revenue	88000	0.00	0.00
02	Revenue from operations	37	35,244,839,504.98	10,708,967,681.36
003	Other income	38	132,003,513,81	68,381,257.79
105	Total Revenue	8	35,376,843,018.79	10,777,348,939.15
07	Expenses		0.00	0.00
800	Fuel including cost of captive coal	38A	20,009,987,317.99	3,648,438,046.69
09	Employee benefits expense	39	1,421,467,275.73	395,119,677.92
110	Electricity Purchased		0.00	0.00
111	Finance costs	40	4,151,855,804.30	110,388,397.38
112	Depreciation, amortization and impairment expense	41	5,015,882,549.29	509,449,798.35
113			0.00	0.00
114	Other expenses	42	2,022,556,111.02	1,469,225,754.60
15	CC expenses charge to revenue		-16,857,282.44	313,742,123.19
116	Less: Unit expenses transferred to CC		0.00	0.00
17	Total expenses	7	32,604,891,775.89	6,446,363,798.13
120	Profit before exceptional items & tax		2,771,951,242.90	4,330,985,141.02
121	Exceptional items	X7	0.00	0.00
124	Profit before tax	-	2,771,951,242.90	4,330,985,141.02
27	Tax expense:		0.00	0.00
28	Current tax		0.00	0.00
29	Deferred tax		0.00	0.00
030			0.00	0.00
31	Total Tax expense		0.00	0.00
32	Profit for the period before regulatory deferral account balances		2,771,951,242.90	4,330,985,141.02
)33	Movement in regulatory deferral account balances		0.00	0.00
034	Regulatory deferred account - deferred		0.00	0.00
35	Others		99,365,335.46	113,929,370.60
036	Tax impact on Regulatory deferral account balances		0.00	0.00
037	Movement in Regulatory deferrall account balances (Net of Tax)	y	99,365,335.46	113,929,370.60
338	Profit for the period/ year		2,871,316,578.36	4,444,914,511.62
39	Other comprehensive income		0.00	0.00
)40	(A) Items that will not be reclassified to profit or loss		0.00	0.00
)41	 Net gains/(losses) on fair value of equity instruments through other comprehensive income 		0.00	0.00
042	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
043	 Net acturial gains/(losses) on defined benefit plans 		-30,210,815.78	1,265,554.97
044	Income tax on above that will not be		0.00	0.00

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(Amount in ₹)

(Head of Unit)

BARH THERMAL POWER PROJECT
STATEMENT OF PROFIT AND LOSS

(Auditor Initial & Stamp)

31.03.2019	31.03.2020	Note	For the Year ended	
			reclassified to profit or loss	
0.00	0.00			148
1,265,554.97	-30,210,815.78		Other comprehensive income for the year, net of income tax	49
0.00	0.00	-		50
4,446,180,066.59	2,841,105,762.58		Total Comprehensive Income for the year	51
0.00	0.00			65
0.00	0.00		Earnings per equity share:	66
0.00	0.00		Basic & Diluted	67
0.00	0.00		Significant Accounting Policies	68
0.00	0.00		Expenditure during construction period (Net)/Dev. of coal mines (net) 43 /43A	69
0.00	0.00		The accompanying notes 1 to 44 form a integral part of these financial statement	70

(Head of Finance)

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BARH THERMAL POWER PROJECT

(Amount in ₹			ANCE SHEET	BAL
31.03.201	31.03.2020	Note	As at	
0.0	0.00		ii) Trade payables	046
0.0	0.00	24	 Total outstanding dues of micro and small enterprises 	047
0.0	0.00	24	 Total outstanding dues of creditors other than micro and small enterprises 	048
6,342,580,550.7	4,047,439,880.23	25	iii) Other financial liabilities	049
0.0	0.00	26	Provisions	050
0.0	0.00	27	Deferred Tax Liabilities (net)	051
0.0	0.00	28	Other non-current liabilities	052
0.0	0.00	9400		053
6,342,580,550.7	4,047,439,880.23	÷	Total non-current liabilities	054
0.0	0.00			055
0.0	0.00		Current Liabilities	056
0.0	0.00		Financial liabilities	057
0.0	0.00	29	i) Borrowings	058
0.0	0.00		ii) Trade Payables	059
156,853,581.8	208,009,502.56	30	 Total outstanding dues of micro and small enterprises 	060
1,579,329,331.1	3,680,121,636.99	30	- Total outstanding dues of creditors other than micro and small enterprises	061
15,855,846,280.5	17,363,090,670.48	31	iii) Other financial liabilities	062
87,300,661.3	124,629,085.99	32	Other current liabilities	063
1,246,633,062.8	1,237,482,244.79	33	Provisions	064
0.0	0.00	34	Current tax liabilities (net)	065
0.0	0.00		1853 53	066
18,925,962,917.6	22,613,333,140.81	-	Sub Total	067
0.0	0.00			068
-95,632,000.0	1,336,867,000.00	35	Deferred Revenue	069
0.0	0.00	36	Regulatory deferral account credit balances	070
227,480,365,379.0	235,447,603,796.39		Inter Unit Accounts	071
0.0	0.00			072
262,328,737,300.6	275,991,561,577.06	15	TOTAL EQUITY AND LIABILITIES	073
0.0	0.00	1	Significant Accounting Policies as per Note 1	074
0.0	0.00			075
0.0	0.00		The accompanying notes 1 to 44 form an integral part of these financial statements.	076
0.0	0.00			077
0.0	0.00			078

(Auditor Initial & Stamp)

(Head of Finance)

(Head of Unit)

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Vitenders



BARH THERMAL POWER PROJECT

A Maharatna Company

OTH	ER COMPREHENSIVE INCOME		(Amount in ₹)
	For the Year ended	31.03.2020	31.03.2019
001	Table of the Construction of Matthews in the Construction of the C	0.00	0.00
002	Other comprehensive income	0.00	0.00
003	(A) Items that will not be reclassified to profit or loss	0.00	0.00
004	 Net gains/(losses) on fair value of equity instruments through other comprehensive income 	0.00	0.00
005	Income tax on above that will not be reclassified to profit or loss	0.00	0.00
006	 Net acturial gains/(losses) on defined benefit plans 	-30,210,815.78	1,265,554.97
007	Income tax on above that will not be reclassified to profit or loss	0.00	0.00
800		0.00	0.00
009	(B) Items that will be reclassified to profit or loss	0.00	0.00
010	Income tax relating to above items that will be reclassified to profit or loss	0.00	0.00
011	- Paragraphic Andrews Control of the Andrews	0.00	0.00
012	Other comprehensive income for the year, net of income tax	-30,210,815.78	1,265,554.97
013	The state of the s	0.00	0.00
014	Total comprehensive income for the year (A+B)	-30,210,815.78	1,265,554.97

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Note forming part of Balance Sheet Note 2 : Property, Plant And Equipment Business Area :1028

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31,03,2020	Net Block As At 31.03.2019
1 TANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	00:00	0.00	000	000
2 Land: (including development expenses)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.0
3 Freehold	3077719046.00	0.00	0.00	3077719046.00	0.00	0.00	00'0	0.00	3077719046.00	3077719046.00
4 Right of Use	49673929.64	00.0	0.00	49673929.64	8822955.82	2213837.49	00.0	11036793.31	38637136,33	40850973.82
5 Submergence	00'0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.0
6 CBA Land	00'0	0.00	0,00	0.00	00'0	0.00	00'0	0.00	00.0	000
7 Roads,bridges, culverts & helipads	998154110.53	79283492.92	20103896.48	1097541499.93	124912197,48	33821927.61	0.00	158734125.09	938807374.84	873241913.05
8 Building:	00'0	0.00	0.00	0.00	0.00	00'0	00'0	0.00	00.0	000
9 Freehold	0.00	000	0.00	0.00	0.00	0.00	00:0	0.00	0.00	00.0
10 Main plant	5164787123.87	00:00	25551545,86	5190338669.73	629178690.93	175379761.53	0.00	804558452.46	4385780217.27	4535608432 94
11 Others	1786447587.55	133069741.78	7202156,93	1926739486.26	245630093.58	74330760.15	0.00	319960853.73	1606778632 53	1540817493 97
12 Right of Use	0.00	00.00	0.00	000	000	00.0	0.00	0.00	0.00	00.0
13 Temporary erection	275178.41	1048565,71	0.00	1323744.12	275178,41	87380.48	0.00	362558.89	961185.23	000
14 Water Supply, drainage & sewerage system	118501198.74	0.00	00'0	118501198.74	14734167,11	4233464.45	00.0	18967631.56	99533567.18	103767031.63
15 Hydraulic works, barrages, dams, tunnels and power channel	0.00	0.00	0.00	00.0	0.00	00'0	0.00	0.00	00.0	0000
16 MGR track and signalling system	1053850424.82	0.00	32468211.05	1086318635.87	199593386.05	54206578.80	0.00	253799964.85	832518671.02	854257038.77
17 Railway siding	2917980014.73	00'0	(6601625.00)	2911378389.73	444045376.58	148421342.51	0.00	592467719.09	2318910670.64	2473933638 15
18 Earth dam reservoir	000	0.00	0.00	00:00	00'0	0.00	0.00	0.00	00.0	00.0
19 Plant and machinery(including associated civil works) Owned Asset	87212559514.56	733761950.31	1035240581.77	88981562046.64	88981562046.64 13450771574.87	4921286884.62	(111279332.70)	(111279332.70) 18260779126.79	70720782919.85	73761787939.69

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Note forming part of Balance Sheet Note 2 : Property, Plant And Equipment Business Area :1028

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31,03,2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
20 Plant and machinery(including associated civil works) Right of use Asset	00:0	0.00	0.00	000	00:0	00'0	00.0	00.0	00.0	00'0
21 Furniture and fixtures	176731255.44	14529787.01	515229.81	191776272.26	43238091.18	13355739.48	35506.40	56629337.06	135146935.20	133493164.26
22. Assets under 5 Km Scheme	00'0	0.00	0.00	0.00	00'0	0.00	0.00	0.00	0.00	00'0
23 Vehicles - Owned	4366732.42	282000.00	0.00	4648732.42	1090410.98	223920.92	0.00	1314331.90	3334400.52	3276321.44
24 Vehicles - Leased	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.0	00:00	0.00
25 Office equipment	45140796.30	16794134.79	238393,79	62173324 84	17455248.06	5678992.12	(40526.72)	23094713.46	39078611.38	27684548,24
26 EDP, WP machines and satcom equipment	64894115.67	8423648.00	(1488613.62)	71829150.05	37808643,15	12470921.55	(2047697.65)	48231867.05	23597283.00	27085472,52
27 Construction equipments	117005594.88	0.00	(708758.80)	116296836.08	37861329.86	10223524.29	00'0	48084854.16	68211981.93	79144265.02
28 Electrical Installations	263863240,47	0.00	415065.00	264278305.47	55431958.60	14520826.33	00.00	69952784.93	194325520.54	208431281.87
29 Communication equipments	48404072.03	1552322.50	(0:90)	49956393.63	13871772.25	4696049,17	00.0	18567821,42	31388572,21	34532289,78
30 Hospital equipments	1468382.56	00:0	0.00	1468382.56	359399.57	82337.56	00:0	451737.13	1016645.43	1098982.98
31 Laboratory and workshop equipments	00.0	0.00	0.00	0.00	0.00	0.00	00'0	0.00	00 0	0.00
32 Capital expenditure on assets not owned by the Company	0.00	0.00	00'0	00'0	0.00	0.00	00.0	0.00	0.00	0.00
33 Assets of Government	0.00	0.00	0.00	0.00	0.00	0.00	00:00	0.00	0.00	0.00
34 Less:Grants from Government	0.00	0.00	0.00	00:00	00:00	0.00	000	0.00	00'0	00:0

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Note forming part of Balance Sheet Note 2 : Property, Plant And Equipment Business Area :1028

Asset Class	Opening Gross Block As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2020	Opening Depreciation As At 01.04.2019	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2020	Net Block As At 31.03.2020	Net Block As At 31.03.2019
35 Less: Recoverable from GO!	0.00	0.00	00'0	00:0	0.00	0.00	00.0	00'0	0.00	00.0
36 Assets for ash utilisation	0.00	1599315.00	0.00	1599315.00	00'0	000	0.00	0.00	1599315.00	0.00
37 (Less):-Adjusted from fly ash utilisation reserve fund	00:0	1599315,00	00.0	1599315.00	00:0	0.00	00.0	0.00	1599315.00	0.00
38 Site Restoration Cost	0.00	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00'0
39 Mining Properties	00:00	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00'0	000
Grand Total (Tangible)	103101822318.62	988765642.98	1112936082.37	105203524043.9 7	988765642.98 1112936082.37 105203524043.9 15325092474.48	5475234249.06	(113332050.67)	(113332050.67) 20686994672.87	84516529371.10	87776729844.14
Grand Total Prev Year (Tangible)	105907691120.36	1395452954.69 (42013217	(4201321756.43)	56.43) 103101822318.6 14418585846.26 2	14418585846.26	921136105.31	(14630477.09)	(14630477.09) 15325092474.48	87776729844.14	91489104274.10

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Note forming part of Balance Sheet Note 2 : Property, Plant And Equipment Business Area :1028

Details of Adjustmer	of Adjustments of Gross Block and Depreciation/Amortization	and Depreciativ	on/Amortization	
Particulars	Gross Block	Block	Depreciation	Depreciation/Amortization
	Tangible As At: 31.03.2020	Tangible As At: 31.03.2019	Tangible As At: Tangible As At: Tangible As At: 31.03.2020 31.03.2020	Tangible As At: 31.03.2019
Disposal of assets	(2516644.52)	(4228135.26)	(1780155.56)	(3769676.40)
Retirement of assets	(243276558.33)	(73358804.13)	(111828070.93)	(2292887.03)
Cost adjustments	1357474056.54	(4113697004.09)	0.00	0.00
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	00.00	00.0
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	00:0	0.00
Transfer in /out because of Inter Unit transfers	1255228.68	(10037812.95)	276175.82	(8567913.66)
Others	0.00	0.00	00.0	00:00
TOTAL	1112936082.37	(4201321756.43)	(113332050.67)	(14630477.09)

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.);

309

0.00

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Note forming part of Balance Sheet
Note 3: Capital-Work-in-Progress
Business Area: BARH THERMAL POWER PROJECT

SI No	Asset Class	As At 01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2020
	1	2	3	7	v.	cc
+	CAPITAL WORK-IN-PROGRESS					
2	Development of land	2086175839.87		(107750605.00)		1958425234 87
က	Roads, bridges, culverts & helipads	4175530.84	33543770.25	43637473.77	79283492,92	2073281 94
4	Piling and foundation	6768092455.34	357921605.00			7125014060 34
u)	Buildings :					
9	Main plant	2219368166.00	269408730.98	(25551545.86)		24632256361 12
7	Others	3810573397.27	630031339.60	95989.08	123971806.06	4316728010 80
8	Temporary erection	29342744.11	20303025.72	(9490900.30)	1048585 71	39106303 83
a	Water supply, drainage and sewerage system	77589698.72		(72994935.80)		4504759 00
0	Hydraulic works, barrages, dams, tunnels and power channel					20.30
11	MGR track and signalling system		32468211.05	(32468211.05		
1,1 12	Railway siding					
13	Earth dam reservoir					
77	Plant and equipment	131933508669.15	13837255911.24	(1241180068.13.)	610869374.11	143918715138 15
15	Furniture and fixtures	5521131.25	6992383.11	54147.98	4556925.00	AP 75701/08
16	Vehicles					
11	Office equipment					
18	EDP/WP machines & satcom equipment	1229895.25	65041.00			1204037 94
19	Construction equipments					-
20	Electrical installations	415065.00		(415065.00)		
21	Communication equipment					
22	Hospital equipments					
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company		55163220.87	(55163220.87)		
26	Expenditure towards development of coal mines					
27	Survey, Investigation, Consultancy & Supervision Cha	40140508.89				40140508.89
28	Difference in exchange on foreign currency loans	9228721660.56	2554089122.20	(958468892.26)		10854341890.50

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Note forming part of Balance Sheet Note 3: Capital-Work-in-Progress Business Area: BARH THERMAL POWER PROJECT

o N	ASSET Class	As At 01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2020
	-	2	e			
82	Expenditure towards diversion of forest land		,	ŧ	9	9
30	Pre-commissioning expenses (net)		284105484 51			
33	ExpPendAlloca-oth ex attribut Project		55404000000			284195481.51
32	Expenditure During Construction Period (net)*	CH Ch	000000000000000000000000000000000000000			55104022 00
33	LESS: Allocated to related works	80.0	6282285590 87	112748659.72		8405034250.00
34	LESS : Provision for Upsendidello usedo	1	5405034250.00			8405034250.00
35	Construction stores (A+ Cost)	101849044.86				101849044.86
36	Step	3				
0.0		431322613.21	85825248,47	(105134444.08)		412013417 60
70	Cenent	39345428.21	38736794.78	(48468487 30)		100000000000000000000000000000000000000
38	Others	955238160 92	53862Rage2 RD	(447030000 E.s.		29013730.69
39	Sub-total	1425906202 34	100000000000000000000000000000000000000	46.0200MUTT		1374818502.98
49	LESS: Provision for shortages	ARK1040n no	00'000161100	(2/0651551.92)		1816445656.27
41	Sub-total	1339386719 34	20140400E OF	00.06208030		92109780.00
42	Total CWIP	A CONTRACTOR OF THE PERSON OF	CO.CUUTE 100	(276241841.92)		1724335876.27
43		13/42232450.14	18/14984211.25	(2623189015.64)	819730163.80	172694457461.95
44						
45	PREVIOUS YEAR TOTAL	143194700369.70	19050732392.01	(1255452728 ns v	000000000000000000000000000000000000000	

311

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.):

0.00

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Note forming part of Balance Sheet Note-4 Non Current Assets- Intangible Assets Business Area :1028

Paget Class	Opening Gross Block	Additions	Deductions/	Closing Gross		Additions	Deductions/	Closing	Net Block	Net Block
	As At 01.04.2019			As At 31.03.2020	Depreciation As At 01.04.2019		Adjustments	Depreciation As At 31.03.2020	As At 31.03.2020	As At 31,03,2019
INTANGIBLE ASSETS	000	-						100 March 200 Ma		
	000	0.00	0.00	0.00	000	000		The second second		
Right of Use-Land	00.0	000	00.00			200	0.00	0.00	0.00	00
2 -Others		Date of the last o	N.O.	0.00	0.00	0.00	000	000		400
Conicia	00.00	0.00	0.00	000			2000	00'0	00:00	0.0
3 -Software	40463000 e.a.				0.00	0.00	00:0	000	000	
	10.00000.00	0.00	00:0	1016303.64	1015303 64	0.00			0.00	0.00
Grand Total (Intangible)	1016303.64	0.00	000			0.00	000	1016303.64	0.00	0.00
Grand Total Press Vens	1 22 2 2 2 2		0.0	10.10303.64	1016303.64	0.00	0.00	1018309 84	2000	
Intangible)	1016303.64	0.00	0.00	1016303.64	867743.09	148560.55	levo.		0.00	0.00

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Note forming part of Balance Sheet Note-4 Non Current Assets- Intangible Assets Business Area :1028

Disposal of assets Retirement of assets	Gross Block			
Disposal of assets Retirement of assets		Block	Depreciation	Denreciation/Amortization
Disposal of assets Retirement of assets	In langible As	In Tannihlo Ac	1	III MITTALION
Disposal of assets Retirement of assets	At: 31.03.2020	At: 31.03.2019	In langible As	In Tangible As At:
Retirement of assets	000			31.03.2019
	00.0	0.00	0.00	000
Coot admini-	0.00	000		000
cost adjustments	CCC	0	00.0	0.00
Assets capitalised with retrospective offect (West	0.00	00.0	00.00	000
back of excess capitalisation	00.0	0.00	00.00	000
Depreciation on construction equipment				
as EDC	0.00	0.00	0.00	0000
Prior Period Depreciation due to Assets contration				
with retrospective effect / Write back of excess	0.00	00.0	00:0	000
capitalisation				
Special Depreciation (As per New Policy)	000			
Transfer in /out because of loter Heit transfer.	0.00	0.00	0.00	000
Othere	0.00	0.00	000	00.5
eman	000		00.0	0.00
TOTAL	20.5	0.00	0.00	000
	0.00	0.00	000	

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.)

0.00

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(Amount in Rupees)

Note forming part of Balance Sheet Note 5: Intangible Assets under Development Business Area: BARH THERMAL POWER PROJECT

Sept. Class	A- A:				
	01.04.2019	Addition	Deduction/ Adjustment	Capitalized	As At
T. COLOR OF CASE	2	e			
SOUTH ASSETS UNDER DEVELOPMENT		,	4	40	9
Right to use Others					
Exploration and Evaluation Expensiture - Coal Mini					
Exploratory wells in-progress					
Less: Provision for exploratory wells-in-progress					
Total					
PREVIOUS YEAR TOTAL-I					

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.):

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BARH THERMAL POWER PROJECT

	OTE NO. 6 TO THE FS-NCA-INVES As at	Manufacture 114 301		VENTURES	(Amount in ₹
00		No. of shares	Face value	31.03.2020	31.03.201
	Investments in subsidiaries and joint ventures			0.00	0.0
01:	Equity Instruments - Unquoted-(fully paid up unless otherwise stated, at cost)			0.00	0.00
013				0.00	
014	Patratu Vidyut Utpadan Nigam Ltd.				0.00
015	NTPC Electric Supply Company			0.00	0.00
200	Ltd.			0.00	0.00
016	NTPC Vidyut Vyapar Nigam Ltd.			0.00	0.00
017	Company Ltd.			0.00	0.00
018	Kanti Bijlee Utpadan Nigam Ltd.			0.00	0.00
019	Bhartiya Rail Bijlee Company Ltd.			0.00	0.00
020	NTPC Mining Ltd (NML)			0.00	0.00
121	THDC India Ltd.			0.00	0.00
22	NEEPCO LTD.			0.00	0.00
23				0.00	0.00
24				0.00	0.00
25				0.00	0.00
26				0.00	0.00
27				0.00	0.00
28				0.00	
29				0.00	0.00
10	Sub Total			0.00	0.00
5	Joint Venture Companies				0.00
6	Utility Powertech Ltd.			0.00	0.00
7	NTPC GE Power Services Pvt.Ltd.			0.00	0.00
				0.00	0.00
	NTPC-SAIL Power Company Ltd.			0.00	0.00
	NTPC-Tamil Nadu Energy Company Ltd.			0.00	0.00
)	Ratnagiri Gas & Power Private Ltd.			0.00	0.00
				30.5 m. of	0.00

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BARH THERMAL POWER PROJECT

NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES

	As at	No of the	DOIDIARIES & JOIN	VENTURES	(Amount in ₹)
06		No. of shares	Face value	31.03.2020	31.03.2019
	Ltd.			0.00	0.00
06	2			0.00	
063	- Tolicuta			0.00	0.00
064	Private Ltd. Meja Urja Nigam Private Limited			0.00	0.00
065				0.00	0.00
066				0.00	0.00
				0.00	0.00
067	Company Ltd.			0.00	0.00
068	Transformer and Electrical Kerala Ltd.			0.00	0.00
069	National High Power Test Labortory Private Ltd.			0.00	0.00
070				0.00	0.00
071	CIL NTPC Urja Private Ltd.			0.00	0.00
072	Anushakti Vidhyut Nigam Ltd.			0.00	0.00
073	Energy Efficiency Services Ltd.			0.00	0.00
74				0.00	0.00
)75	Trincomalee Power Company Ltd.			0.00	0.00
76	Bangladesh-India Friendship Power Company (Pvt.) Ltd.			0.00	0.00
77	Hindustan Urvarak & Rasayan Limited			0.00	0.00
78	Konkan LNG Pvt. Ltd			0.00	0.00
79				0.00	0.00
31	Sub Total	-	- UT	0.00	
9	Aggregate amount of impairment in the value of investments			0.00	0.00
0	are value of investments				0.00
1				0.00	0.00
4	Total			0.00	0.00
5 1	Details of Investments			0.00	0.00
	Aggregate amount of Unquoted			0.00	0.00
1	nvestments			0.00	0.00
V)				0.00	0.00

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BARH THERMAL POWER PROJECT

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	THEIRING POWER PROJEC				
101	TE NO. 6 TO THE FS-NCA-INVE	STMENTS IN SU	BSIDIARIES & JOINT	VENTURES	A Maharatna Company (Amount in ₹)
42		No. of shares	Face value	31.03.2020	31.03.2019
3				0.00	0.00
				0.00	0.00
				0.00	0.00
	PPW00000000000 IK			0.00	0.00
	Valuation of Investments as per Note 1.			0.00	0.00
				0.00	0.00
					0.00

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BARH THERMAL POWER PROJECT NOTE NO. 7 TO THE FS-NCA-INVESTMENTS

A Maharatna Company

	As at	No. of shares	Face value		(Amount in ₹
001	Non-current financial assets	110. Of Shares	race value	31.03.2020	31.03.2019
	(investments)			0.00	0.00
006	Long Term - Trade			0.00	0.00
007	the state of the s			USC AVEC	0.00
1200	up-unless otherwise stated)			0.00	0.00
008	Quoted			0.00	0.00
009	Joint Venture Companies			0.00	
010	PTC India Ltd.			0.00	0.00
	r ro maia Lia.			0.00	0.00
070	International Coal Ventures Private			0.00	(2.22)
075	Ltd.			0.00	0.00
	BF-NTPC Energy Systems Ltd.			0.00	0.00
098				0.00	0.00
110	Cooperative Societies			0.00	
111	Sub Total				0.00
)=			0.00	0.00
12	Aggregate amount of impairment in the value of investments			0.00	0.00
15	Total		1.	2.00	23.30
20	-			0.00	0.00
				0.00	0.00
46	NTPC Employees Consumers and			0.00	0.00
	Thrift Co-operative Society Ltd. Korba			0.00	0.00
47	NTPC Employees Consumers and			2000	
	Thrift Cooperative Society Ltd. RSTPP			0.00	0.00
8	NTPC Employees Consumers				
	Cooperative Society Ltd. Farakka			0.00	0.00
9	NTPC Employees Consumers			0.00	
	Cooperative Society Ltd. Vindhyachal			0.00	0.00
	NTPC Employees Consumers				
	Cooperative Society Ltd. Anta			0.00	0.00
1	NTPC Employees Consumers			0.00	2.00
3	Cooperative Society Ltd. Kawas NTPC Employees Consumers			2.00	0.00
2					

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BARH THERMAL POWER PROJECT NOTE NO. 8 TO THE FS-NCA-TRADE RECEIVABLES

A Maharatna Company

	As at		(Amount in ₹)
001	Non-current financial assets - Trade receivables	31.03.2020	31.03.2019
002	Unsecured, considered good	0.00	0.00
003	With significant increase in Credit Risk	0.00	0.00
004	Credit impaired	0.00	0.00
005	300 Particular Contract and #500 Particular Contract Cont	0.00	0.00
006	Total —	0.00	0.00
		0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 9 TO THE FS-NCA-LOANS A Maharatna Company (Amount in ₹) As at 31.03.2020 31.03,2019 001 Loans (Non Current) 0.00 004 Related Parties 0.00 0.00 005 Secured 0.00 0.00 006 Un-Secured 0.00 0.00 With significant increase in Credit Risk 007 0.00 0.00 800 0.00 Credit impaired 0.00 009 0.00 0.00 010 Employees(including accrued interest) 0.00 0.00 011 0.00 Secured 65,262,467.66 51.814.912.66 012 Unsecured 50,972,318.15 013 With significant increase in Credit Risk 63,403,700.62 0.00 014 0.00 Credit impaired 0.00 015 Less: Employee Loans Discounting 0.00 0.00 016 Secured 0.00 16,324,246.82 017 Unsecured 14,629,784.52 9,917,031,49 018 Loan to State Government in settlement of dues 13,320,926.90 0.00 from customers (Unsecured) 0.00 019 Others 0.00 020 0.00 Secured 0.00 021 Unsecured 0.00 0.00 022 0.00 With significant increase in Credit Risk 0.00 0.00 Credit impaired 0.00 024 Less: Allowance for credit impaired loans 0.00 0.00 025 Sub Total 0.00 89,993,507.50 026 87,267,901.86 0.00 027 Total 0.00 89,993,507.50 87,267,901.86 028 0.00 029 0.00 0.00 030 Due from Directors and Officers of the 0.00 0.00 Company 0.00 031 Directors 0.00 032 Officers 0.00 0.00 033 0.00 0.00 034 0.00 Loans to related parties include: 0.00 i)Key management personel 035 0.00 0.00 036 0.00 ii)Subsidiary companies 0.00 037 iii)Joint Venture companies 0.00 0.00 038 iv)Others 0.00 0.00 039 0.00 0.00 054 Other loans represent loans given to 0.00 0.00 055 0.00 a) APIIC 0.00 060 0.00 0.00 RPD 061 0.00 0.00 062 i)Key management personel 0.00 0.00 063 0.00 ii)Subsidiary companies 0.00 064 iii)Joint Venture companies 0.00 0.00 065 iv)Others 0.00 0.00 Sudan 0.00 Locked: 18.05.2020 - 14:41:44 Run on: 25.08.2020 - 13:20:21 Version: 1

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BARH THERMAL POWER PROJECT NOTE NO. 9 TO THE FS-NCA-LOANS

As at 31.03.2020 (Amount in ₹)

O66 Total 0.00 0.00

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BARH THERMAL POWER PROJECT

NOTE NO. 10 TO THE FS-NCA-OTHER FINANCIAL ASSETS As at 31.03.2020

	As at		(Amount in ₹
00	1 Other Financial Assets (non current)	31.03.2020	31.03.201
00.	2	0.00	0.0
003	Share application money pending allotment in	0.00	0.00
	(Subsidiary Companies) :	0.00	0.00
004	NTPC Electric Supply Company Ltd.		
005	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
006	Nabinagar Power Generating Company Ltd.	0.00	0.00
007	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
008	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
009	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
010	NTPC Mining Limited	0.00	0.00
011	THDC Ltd.	0.00	0.00
012	NEEPCO Ltd	0.00	0.00
013		0.00	0.00
014	Total	0.00	0.00
015	Share application money pending allotment	0.00	0.00
	(Joint Venture)	0.00	0.00
016	Utility Powertech Ltd.		0.00
017	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
018	NTPC-SAIL Power Company Ltd.	0.00	0.00
019	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
020	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
021	Aravali Power Company Private Ltd.	0.00	0.00
022	, y , , , , , , , , , , , , , , , , , ,	0.00	0.00
023	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
024	Meja Urja Nigam Private Limited	0.00	0.00
025	BF-NTPC Energy Systems Ltd.	0.00	0.00
026	Anushakti Vidhyut Nigam Ltd.	0.00	0.00
027	Nabinagar Power Generating Company Ltd.	0.00	0.00
028	Energy Efficiency Services Ltd.	0.00	0.00
029	National High Power Test Labortory Private Ltd.	0.00	0.00
030	tost Educatory Private Ltd.	0.00	0.00
031 (CIL NTPC Urja Private Ltd.	0.00	0.00
032 1	Frincomalee Power Company Ltd.	0.00	0.00
033 F	lindustan Urvarak & Rasayan Limited	0.00	0.00
)34 E	Bangladesh-India Friendship Power Company	0.00	0.00
	nvale LIO.	0.00	0.00
	ub Total	0.00	
36	particular sc	0.00	0.00
	laims Recoverable	0.00	0.00
	inance Lease Recoverable	0.00	0.00
39 M	line Closure Deposit	0.00	0.00
40	an and a second	0.00	0.00
41 To	otal ————	0.00	0.00
		0.00	0.00

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BARH THERMAL POWER PROJECT

NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS A Maharatna Company (Amount in ₹) As at 31.03.2020 001 Other Non-current Assets 31.03.2019 0.00

.0	01 Other Non-current Assets	01.0012020	31.03.2019
0	02	0.00	0.00
0	03 CAPITAL ADVANCES	0.00	0.00
0	04 Secured	0.00	0.00
0	05 Unsecured	14,036,722.00	14,036,722.00
0	06 Covered by Bank Guarantee	0.00	0.00
	07 Others	869,653,239.19	1,082,913,633.62
	08 Considered doubtful	528,780,102.94	766,077,852.00
00	Indicates doubling	0.00	0.00
01	advances	0.00	0.00
01		1,412,470,064.13	1,863,028,207.62
01		0.00	0.00
01	than capital advances	0.00	
01	acposits	0.00	0.00
	Training to Indiated parties	0.00	0.00
02	to contractors a suppliers	0.00	0.00
02		0.00	0.00
024		6,646,519,362.00	0.00
02		0.00	6,646,519,362.00
026	ances for bad a doubtful advances		0.00
027	Sub Total —	0.00	0.00
039	Advance tax & tax deducted at source	6,646,519,362.00	6,646,519,362.00
040		303,767.00	179,996.00
041		0.00	0.00
042	Sub Total —	0.00	0.00
043	Deferred Payroll Expenses (Secured)	303,767.00	179,996.00
044	Deferred Payroll Expenses (Unsecured)	13,461,958.22	12,844,900.40
045	Sub Total	7,548,103.57	10,836,378.36
046		21,010,061.79	23,681,278.76
048	Total Total	1,360,324,000.00	123,862,000.00
049		9,440,627,254.92	8,657,270,844.38
050		0.00	0.00
061	Advances include amount to 1	0.00	0.00
	Advances include amount due from the following Private Companies in which Directors of the	0.00	0.00
	Company are also Directors in such Companies		0.00
063	7 South Companies		
064	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
065	T.Ltd.	0.00	0.00
066	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
067	Aravali Power Company Private Ltd.	0.00	0.00
068	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
069	NTPC BHEL Bourse British B	0.00	0.00
070	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
071	Meja Urja Nigam Private Limited	0.00	
	Nabinagar Power Generating Company Ltd.	0.00	0.00
072	National High Power Test Labortory Private Ltd.	0.00	0.00
074	CIL NTPC Urja Private Ltd.	0.00	0.00
076		0.00	0.00
	Related Party (Adv)	0.00	0.00
Locke	d: 18.05.2020 - 14:41:44	0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 11 TO THE ES-NCA-OTHER NON CHERENT ASS

140	NO. 11 TO THE FS-NCA-OTHER NON-C	CURRENT ASSETS	A manuaratria Company
	As at		(Amount in ₹)
078	Key Management personel	31.03.2020	31.03.2019
079	Subsidiary companies	0.00	0.00
080	Joint Venture companies	0.00	0.00
081	Contractors	0.00	0.00
082	Others	0.00	0.00
084		0.00	0.00
085	Total	0.00	0.00
	10.5350	0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 12 TO THE FS-CA-INVENTORIES

NO	TE NO. 12 TO THE ES ON THE		A Maharatna Company
1110	TE NO. 12 TO THE FS-CA-INVENTORIES As at		(Amount in ₹)
001		31.03.2020	31.03.2019
002		0.00	0.00
003	Coal	0.00	0.00
004	Fuel oil	3,597,628,710.00	2,735,300,074.45
005	Naphtha	149,714,069.47	151,771,709.24
006		0.00	0.00
007	Chemicals & consumables	1,794,169,044.14	1,743,624,483.97
800	Loose tools	50,064,038.94	45,930,713.94
009	Steel Scrap	2,378,542.23	2,475,385.96
010	Others*	29,103,708.72	25,465,085.60
011	Sub Total —	191,853,574.86	142,241,230.70
012	Less: Provision for shortages	5,814,911,688.36	4,846,808,683.86
013	Less: Provision for obsolete/	24,271,520.00	0.00
	unservicable/dimunition in value of surplus inventory	0.00	0.00
014			
015	Total	0.00	0.00
016	Inventories include material in transit	5,790,640,168.36	4,846,808,683.86
017	Coal	0.00	0.00
018	Fuel oil	145,371,576.28	134,639,105.56
019	Naphtha	151,527.51	0.00
020	Stores and spares	0.00	0.00
021	Chemicals & consumables	14,747,332.31	53,071,993.07
022	Loose tools	279,560.45	190,303.38
	Others	0.00	0.00
024		6,273.24	912,945.08
025	Inventory items other than steel scrap have been	0.00	0.00
	valued considering Note 1. Steel scrap has been valued at estimated realisable value.	0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 13 TO THE FS-CA-INVESTMENTS

	As at	No. of shares	Formust	Telegram and a feet	(Amount in ₹
001	CURRENT INVESTMENTS	ivo. or shales	Face value	31.03.2020	31.03.201
002				0.00	0.0
	as per note ij			0.00	0.00
003				0.00	20000
033	Investment in Mutual Funds (Details as under)			0.00	0.00
034	SBI-Magnum Insta Cash				0.00
035	Fund-DDR			0.00	0.00
	SBI Premier Liquid Fund Super-IP-DDR			0.00	0.00
036	SBI-SHF Ultra Short Term Fund-IP-DDR			0.00	0.00
037	UTI Money Market- IP-Direct-Growth			0.00	0.00
038	IDBI-Liquid plan- Direct-Growth			0.00	
039	Canara Robeco Liquid Fund Super-IP-DDR			0.00	0.00
040	Canara Robeco Treasury Advantage Fund Super-IP-DDR			0.00	0.00
041	IDBI Liquid Fund-DDR				0.00
42	SRI Demiliar I In 14 5 1 4 1			0.00	0.00
72	SBI Premier Liquid fund-Direct DDR (Ash Fund)			0.00	0.00
43	UTI Liquid CashPlan - IP - DDR (Ash Funds)			0.00	0.00
44	IDBI Liquid Fund - DDR - (Ash Funds)			0.00	0.00
45	EX			0.00	
16	Sub Total				0.00
17				0.00	0.00
2 1	Unquoted Investments			0.00	0.00
4	,			0.00	0.00
	TOTAL -			0.00	0.00
7	_			0.00	0.00
60				0.00	0.00

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NO:	TE NO. 14 TO THE FS-CA-TRADE RECEIVABLES		A Maharatna Company
	As at		(Amount in ₹)
001	TRADE RECEIVABLES (current)*	31.03.2020	31.03.2019
002	==== (varioni)	0.00	0.00
003	Secured, Considered Good	0.00	0.00
004	Unsecured, considered good	0,00	0.00
005	With significant increase in Credit Risk	1,109,423.55	0.00
006	Credit impaired	0.00	0.00
007	Sub-Total -	0.00	0.00
800	Total ——	1,109,423.55	0.00
009	Less: Allowance for credit impaired receivables	1,109,423.55	0.00
010	Total ——	0.00	0.00
011	· ·	1,109,423.55	0.00
013	* After adjustment for Unbilled Revenue	0.00	0.00
014	Long-term trade receivables	0.00	0.00
015		0.00	0.00
016		0.00	0.00
		0.00	0.00

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NO	TE NO. 15 TO THE FS-CA-CASH AND CASH EQUIVALEN	TS	A Maharatna Company (Amount in ₹)
001	CASH & BANK BALANCES	31.03,2020	31.03.2019
002	Cash & Cash Equivalents	0.00	0.00
003	Balances with Banks	0.00	0.00
004	Cheques & Drafts on hand	111,299.21	5,486,330.82
005	Cash on hand	0.00	50,000.00
006	Others (stamps in hand)	0.00	0.00
007	Bank deposits with original maturity upto three	39,503.00	5,663.00
	months and maturity upto three	0.00	0.00
800	Balances with RBI		
009		0.00	0.00
010	Total	0.00	0.00
		150,802.21	5,541,993.82

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NOTE NO. 16 TO THE FS-CA-BANK BALANCES OTHER THAN CASH AND CASH EQUIVALENTS A Maharatna Company (Amount in ₹) 31.03.2020 001 Other Bank Balances 31.03.2019 002 Deposits with original maturity of more than three 0.00 0.00 months but not more than twelve months 0.00 0.00 003 Earmarked balances with banks* 004 SubTotal 0.00 0.00 0.00 005 Interest accrued on deposits 0.00 006 0.00 0.00 007 0.00 Total 0.00 800 0.00 0.00 Earmarked balances with banks consist of : 0.00 009 0.00 0.00 010 Unpaid dividend account balance 0.00 Towards public deposit repayment reserve 0.00 011 0.00 Towards redemption of bonds due for repayment 0.00 012 0.00 within one year 0.00 0.00 013 Security with Government/other authorities Unpaid refund/interest account balance - Tax free 0.00 0.00 bonds/ Bonus Debentures 0.00 0.00 Earmarked for RGGVY/DDUGJY/SAUBHAGYA 015 0.00 0.00 016 Earmarked for Flyash Utilisation Reserve Fund Deposits with original maturity upto three months 0.00 0.00 as per court orders 0.00 0.00 018 Payment Security Scheme of MNRE NSM (NTPC) Payment Security Scheme of MNRE NSM 0.00 0.00 (NVVN) 0.00 0.00 020 Enforcement Directorate of Solar Plant(NVVN) Bank guarantee Fund of MNRE (NVVN) 0.00 021 0.00 0.00 022 Others 0.00 0.00 023 0.00 024 0.00 Total 0.00 025 0.00 0.00 Bank deposits with original maturity of less than 026 0.00 0.00 three months- other than earmarked 0.00 0.00 027 Bank deposits with original maturity of more than three months but not more than twelve months-0.00 0.00 other than earmarked

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028 Earmarked bank balances (current account)

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0.00

0.00



NOTE NO. 47 TO THE PROJECT		Claire
NOTE NO. 17 TO THE FS-CA-LOANS As at		A Maharatna Company
The state of the s	31.03.2020	(Amount in ?
- Loans	0.00	31.03.201
002 Loans (current)-including interest accrued 004 Related Parties	0.00	0.0
005 Secured	0.00	0.0
006 Un-Secured	0.00	0.0
2004.60	0.00	0.0
 With significant increase in Credit Risk Credit impaired 	0.00	0.0
009	0.00	0.0
010 Employees	0.00	0.0
011 Secured	0.00	0.00
012 Unsecured	15,366,552.35	0.00 12,653,507,37
	39,905,769,31	
013 With significant increase in Credit Risk 014 Credit impaired	0.00	36,734,182.20
- out impared	0.00	0.00
- Employee Loans Discounting	0.00	0.00
016 Loan to State Government in settlement of dues from customers (Unsecured)	0.00	0.00
017	,	0.00
018 Others	0.00	0.00
019 Secured	0.00	0.00
020 Unsecured	0.00	0.00
021 With significant increase in Credit Risk	0.00	0.00
022 Credit impaired	0.00	0.00
023	0.00	0.00
024 Less: Allowance for credit impaired loans	0.00	0.00
025 Total (Loans) —	0.00	0.00
026	55,272,321.66	49,387,689.57
027 Due from Directors and Officers of the	0.00	0.00
Company	0.00	0.00
028 Directors		5.00
029 Officers	0.00	0.00
030	0.00	0.00
O31 Loans to related parties include:	0.00	0.00
032 i)Key management personel	0.00	0.00
33 ii)Subsidiary companies	0.00	0.00
34 KBUNL	0.00	0.00
35 PVUNL	0.00	0.00
36 NV/N	0.00	0.00
37 iii)Joint Venture companies	0.00	0.00
38 iv)others	0.00	0.00
39	0.00	0.00
59 RPD	0.00	0.00
i)Key management personel	0.00	0.00
i)Subsidiary companies	0.00	0.00
2 iii)Joint Venture companies	0.00	0.00
3 iv)Others	0.00	0.00
4	0.00	0.00
5 Total ——	0.00	0.00
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BARH THERMAL POWER PROJECT

NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS A Maharatna Company (Amount in ₹) 31.03.2020 001 Other Financial Assets (current) 31.03.2019 0.00 002 0.00 0.00 003 **ADVANCES** 0.00 0.00 004 0.00 0.00 005 **Related Parties** 0.00 0.00 006 Secured 0.00 0.00 007 Un-Secured 0.00 -57,804,550,75 800 Considered doubtful 418,118.10 0.00 009 0.00 0.00 010 **Employees** 0.00 0.00 012 Unsecured 0.00 4,507,233.00 Considered Doubtful 013 7,348,960.82 0.00 014 0.00 0.00 020 Others 0.00 0.00 021 Secured 0.00 0.00 022 Unsecured 0.00 0.00 023 Considered Doubtful 0.00 0.00 024 0.00 0.00 025 Less: Allowance for bad & doubtful advances 0.00 0.00 026 0.00 0.00 033 Total (Advances) 0.00 -53,297,317.75 044 7,767,078.92 0.00 Claims Recoverable 045 0.00 0.00 046 Secured 0.00 0.00 047 Unsecured, considered good 0.00 243,584,015.69 048 Considered Doubtful 243,538,530.69 0.00 049 Less:- Allowance for doubtful claims 0.00 0.00 050 Others-Claims Recoverable 0.00 0.00 051 0.00 0.00 Unbilled Revenue 052 0.00 0.00 Hedging cost recoverable from beneficiaries 053 0.00 0.00 054 Derivative MTM Asset 0.00 0.00 055 Finance Lease Receivable 0.00 0.00 Mine Closure Deposit 056 0.00 0.00 057 Others* 0.00 827,688.00 Receivable from MCP Escrow A/c 058 897,732.00 0.00 059 Total 0.00 191,114,385.94 060 252,203,341.61 0.00 Other include amount recoverable from 062 0.00 contractors and other parties towards hire charges, 0.00 0.00 rent/electricity etc. 063 0.00 067 0.00 0.00 068 Advances to related parties include: 0.00 0.00 069 i)Key management personel 0.00 0.00 070 ii)Subsidiary companies 0.00 0.00 iii)Joint Venture companies 071 0.00 Sitender 0.00 Locked: 18.05.2020 - 14:41:44 0.00 Run on: 25.08.2020 - 13:18:56 Version: 1

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NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS

A Maharatna Company

	As at 10 THE FS-CA-OTHER FINANCIAL ASSETS		A Maharatna Company
	AS at	24.00.0000	(Amount in ₹
072	/- mudiors	31.03.2020	31.03.201
073	1/25/10/2	0.00	0.0
074		0.00	0.00
075	The state of the s	0.00	0.00
6202388	Company are also Directors in such Companies	0.00	0.00
076			
077		0.00	0.00
078	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
079	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
080	Aravali Power Company Private Ltd.	0.00	0.00
081	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
82	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
083	Meja Urja Nigam Private Limited	0.00	0.00
84	Nabinagar Power Generating Company Ltd.	0.00	0.00
85	National High Power Test Labortory Private Ltd.	0.00	0.00
86	International Coal Ventures Private Ltd.	0.00	0.00
87	CIL NTPC Urja Private Ltd.	0.00	0.00
89	Bangladesh-India Friendship Power Co. Pvt.Ltd	0.00	0.00
90	The Court Co. PVI.LIG	0.00	0.00
91	Related Party (Adv)- Employee	0.00	0.00
92	Related Party (Adv)- Subsidiaries	0.00	0,00
3	Related Party (Adv)- Joint Ventures	0.00	0.00
4	Related Party (Adv)- Contractors	0.00	0.00
5	Related Party (Adv)- Others	0.00	0.00
6	Total ——	-57,804,550.75	418,118.10
		-57,804,550.75	418,118.10

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A Maharatna Company

	E NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS As at	31 03 3030	(Amount in ₹)
001	OTHER CURRENT ASSETS	31.03.2020 0.00	31.03.2019
002	Security Deposits (Unsecured)	0.00	0.00
003	Deposit with Customs, port trust & others*	154,764,613.00	0.00
04	ADVANCES	0.00	154,764,613.00
05		0.00	0.00
06	Related Parties	0.00	0.00
07	Secured	0.00	0.00
08	Un-Secured	920,214,306.43	0.00
09	Considered doubtful	0.00	1,335,603,729.15
10	Control of the Contro	0.00	0.00
11	Employees(including imprest)	0.00	0.00
12	Secured	0.00	
13	Unsecured	1,037,211.00	0.00
14	Considered Doubtful	0.00	2,839,815.58
15	Control of the Contro	0.00	0.00
16	Contractors & Suppliers	0.00	0.00
17	Secured	0.00	0.00
18	Unsecured		0.00
19	Considered Doubtful	383,906,991.28	414,492,919.11
20	Soliside led Doublidi	0.00	0.00
	Others**	0.00	0.00
	Secured	0.00	0.00
	Unsecured	0.00	0.00
	Considered Doubtful	4,354,419.00	33,422.00
25	onsidered boubildi	0.00	0.00
	Less: Allowance for bad & doubtful advances	0.00	0.00
	Deferred Payroll Expenses (Secured)	0.00	0.00
	Deferred Payroll Expenses (Unsecured)	1,921,841.39	1,949,355.24
	Sub-total	3,159,177.72	3,404,554.84
39 6	Interest accrued on :	5,081,019.11	5,353,910.08
	Advances to contractors	0.00	0.00
32	riavalices to contractors	5,379,505.00	5,689,866.00
	Claims Recoverable	0.00	0.00
300	Secured	0.00	0.00
	Unsecured, considered good	0.00	0.00
30 O	Considered Doubtful	2,691,702,596.25	2,366,455,410.25
	Less:- Allowance for doubtful claims	35,046,000.00	35,046,000.00
8	Ecos. Allowance for doubtful claims	35,046,000.00	35,046,000.00
	Deferred premium on forward exchange contract/	0.00	0.00
. 3	Option Assets	0.00	0.00
	Assets Held for Disposal	0.00	513,847.32
	Others	1,593,371.94	1,119,527.41
3	atmostituse versetation atm. su cities	0.00	0.00
	Total (Other Current Assets)	4,168,034,033.01	4,286,867,059.90
-	**Include Prepaid Expenses	4,354,419.00	33,422.00
	Includes sales tax/Entry tax/VAT deposited under		00,100.00

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BARH THERMAL POWER PROJECT NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS

NO	TE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS		A Maharatna Company
	As at	31.03.2020	(Amount in ₹)
047	*Includes deposited with courts		31.03.2019
048	*Includes deposited with LIC for annuity payments	0.00	0.00
049	* Includes deposits with WRD / against BG in r/o	0.00	0.00
	finance lease	0.00	0.00
050	Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
052	Advances to related parties include:	0.00	
053	i)Key management personel	0.00	0.00
054	ii)Subsidiary companies	3225	0.00
055	iii)Joint Venture companies	0.00	0.00
056	Contractors	0.00	0.00
057	Others	0.00	0.00
058		0.00	0.00
059	Advances include amount due from the following	0.00	0.00
	Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
060		0.00	
061		0.00	0.00
062	Related Party (Adv)- Employee		0.00
063	Related Party (Adv)- Subsidiaries	0.00	0.00
064	Related Party (Adv)- Joint Venture	0.00	0.00
65	Related Party (Adv)- Contractors	0.00	0.00
066	Related Party (Adv)- Others	920,214,306,43	1,335,603,729.15
67	Total	0.00	0.00
68	ALTO-CHANGE AND ADDRESS OF THE PROPERTY OF THE	920,214,306.43	1,335,603,729.15
		0.00	0.00

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A Maharatna Compan

NOT	NOTE NO. 20 TO THE FSREGULATORY DEFERRAL ACCOUNT DEBIT BALANCES		(Amount in ₹)
	As at	31.03.2020	31.03.2019
001	On account of Exchange Differences	-1,085,165,519.14	-1,184,530,854.60
002	On account of employee benefit exp	128,798,366,00	128,798,366.00
003	Regulatory deferred account - deferred	0.00	0.00
004	Deferred asset for ash transportation	0.00	0.00
005		0.00	0.00
006	Total	-956,367,153.14	-1,055,732,488.60

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NOTE NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL

A Maharatna	Compan
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	E NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL	3000/4000000/7000	(Amount in ₹)
220	As at	31.03.2020	31.03.2019
001	SHARE CAPITAL	0.00	0.00
002	Equity Share Capital	0.00	0.00
003	Authorised	0.00	0.00
004	10,000,000,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 eq shares of Rs.10/- each)	0.00	0.00
005	Issued,Subscribed and fully Paid-up	0.00	0.00
006	9,894,557,280 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007		0.00	0.00
800	Total	0.00	0.00
009	During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010	The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011	Details of shareholders holding more than 5% shares in the company	0.00	0.00
012	- President of India	0.00	0.00
013	No. of Shares	0.00	0.00
114	% of holding	0.00	0.00
)15	- Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
16	No. of Shares	0.00	0.00
17	% of holding	0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY

A Maharatna Company

NOT	E NO. 22 TO THE FS-EQUITY-OTHER EQUITY		(Amount in ₹
	As at	31.03.2020	31.03.201
001	RESERVE AND SURPLUS	0.00	0.0
002	0424,7422,1431,000,000	0.00	0.0
003	Capital Reserve	0.00	0.0
004	As per last financial statements	0.00	0.0
006	Add : Grants received during the year	0.00	0.0
007	Add: Transfer from Surplus	0.00	0.0
800	Less: Write back during the year/period	0.00	0.0
009	Less: Adjustments during the year/period	0.00	0.0
010	Sub-Total	0.00	0.0
011	Securities Premium Account	0.00	0.0
012	As per last financial statements	0.00	0.00
013	Add: Additions during the year/period	0.00	0.00
014	Less: Adjustments during the year/period	0.00	
015	Sub-Total	0.00	0.00
016	Bonds Redemption Reserve	0.00	0.00
	As per last financial statements	0.00	0.00
	Add: Transfer from Surplus		0.00
	Less: Transfer to surplus on redemption	0.00	0.00
	Less: Adjustments during the year/ period	0.00	0.00
	Sub-Total	0.00	0.00
	Share Application money Allotment	0.00	0.00
	As per last financial statements	0.00	0.00
	Add: Addition during the year	0.00	0.00
	Less: Utilised for allotment during the year	0.00	0.00
	Less: Adjustments during the year/ period	0.00	0.00
	Sub-Total	0.00	0.00
	Fly-ash utilisation reserve Fund	0.00	0.00
	As per last financial statements	0.00	0.00
	Transferred to CC	28,039,078.00	-2,215,995.75
		0.00	14,147,122.68
	Add:Transfer from revenue from operations	29,751,543.89	27,265,573.00
	Add:Transfer from other income	0.00	0.00
	Less: Utilised during the year	0.00	0.00
	Tangible assets	0.00	0.00
	Employee benefit expenses	0.00	0.00
	Generation,admn. and other expenses	0.00	-11,157,621.93
	Tax Expenses	0.00	0.00
	Sub-Total	57,790,621.89	28,039,078.00
	Corporate social responsibility (CSR) reserve	0.00	0.00
	As per last financial statements	0.00	0.00
	Add : Transfer from surplus	0.00	0.00
	ess:-Write back during the year	0.00	0.00
	Sub-Total	0.00	0.00
	General Reserve	0.00	0.00
	as per last financial statements	0.00	0.00
	dd: Transfer from Surplus	0.00	0.00
47 L	ess: Transfer to Surplus	0.00	0.00

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NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY (Amount in ₹)

	As at	140142-22007	(Amount in ₹)
04	97 W. C. S. W. W. W. C. S. C.	31.03.2020	31.03.2019
04		0.00	0.00
05	O Sub-Total	0.00	0.00
05		0.00	0.00
05		0.00	0.00
05		0.00	0.00
054		9,700,134,275.15	5,255,219,763.53
	period errors	0.00	0.00
055	Statement of Profit & Loss	2,871,316,578.36	4,444,914,511.62
056		0.00	0.00
057	The same from botto recemption reserve	0.00	0.00
058	- The basic from Capital Reserve	0.00	0.00
059	Tolega rollega rollega Reserve	0.00	0.00
060	The section Coll (reserve	0.00	0.00
061	The sack non Ocheral Reserve	0.00	0.00
062	The Solids Redempadit Reserve	0.00	0.00
063	Less: Transfer to Foreign Project Reserve	0.00	0.00
064	Less:Transfer to Capital Reserve	0.00	0.00
065	Less:Transfer to CSR Reserve	0.00	0.00
066	Less:Transfer to General Reserve	0.00	0.00
067	Less:Interim Dividend Paid	0.00	0.00
068	Less:Tax on Interim Dividend Paid	0.00	0.00
069	Less:Final Dividend Paid	0.00	0.00
070	Less: Tax on Final Dividend Paid	0.00	0.00
071	Less: Issue of bonus debenture	0.00	0.00
072	Less: Tax on issue of bonus debenture	0.00	0.00
073	Sub-Total -	12,571,450,853.51	0.00
074		0.00	9,700,134,275.15
075	Remeasurement of defined benefit plans	0.00	0.00
076	As per last financial statements	-52,712,899.99	0.00
077	Add/(Less):- Actuarial Gains/loss through OCI	-30,210,815.78	-53,978,454.96
078	Sub-Total -	-82,923,715,77	1,265,554.97
080	-		-52,712,899.99
081	FVTOCI Reserve	0.00	0.00
082	As per last financial statements	0.00	0.00
083	Add(Less):-Net gain/loss of equity instruments through OCI	0.00 0.00	0.00
084	Sub-Total -	0.00	
085	-	0.00	0.00
086	Total Other equity	0.00	0.00
		12,546,317,759.63	9,675,460,453.16

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	TE NO. 23 TO THE FS-NCL-BORROWINGS		A Maharatna Company	
	As at	SECTOR MEASUREMENT	(Amount in ₹	
001	LONG TERM BORROWINGS	31.03.2020	31.03.2019	
002		0.00	0.00	
003	Secured	0.00	0.00	
004		0.00	0.00	
	non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0,00	0.00	
005	7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00	
	8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00	
	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3A)	0.00	0.00	
2 f	3.91% Tax free secured non-cumulative non-convertible redeemable bonds - 1013 of ₹ 1000/- each redeemable at par in ull on 16th December 2033 (iftieth Issue - Public Issue - Series 3B)	0.00	0.00	
n o R fu	.37% Secured non-cumulative on-convertible redeemable taxable bonds f s. 10,00,000/- each redeemable at par in ill on 14th December 2031 sixty Sixth Issue - Private Placement)	0.00	0.00	
of Rs	49% Secured non-cumulative on-convertible redeemable taxable bonds in 10,00,000/- each redeemable at par in 10 on 7th November 2031	0.00	0.00	
1 7.3 no bo	ixty Fourth Issue - Private Placement) 28 % Tax free secured non-cumulative n-convertible redeemable nds-2015 of Rs. 1,000/- each redeemable par in full on 5th October	0.00	0.00	
20	30 (Fifty Sixth Issue - Public Issue - Series	- br	93	

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(Amount in ₹)

012	As at 2A) 7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October	31.03.2020 0.00	31.03.2019
012	7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable	0.00	0.00
012	non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable	0.00	0.00
	2030 (Fifty Sixth Issue - Public Issue - Series 2 B).		
013	7.93% Secured non-cumulative non-convertible redeemable taxable bonds of `10,00,000/- each redeemable at par in full on 03 May 2022 (68th Issue - Private Placement)	0.00	0.00
014	8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
015	8.30% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue - Private Placement)		
016	8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2A)	0.00	0.00
	8.73% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (Fiftieth Issue - Public Issue - Series 2B)	0.00	0.00
	7.47% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 16th September 2026 (Sixty Third Issue - Private Placement)	0.00	0.00
1	7.58% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 23rd August 2026 (Sixty Second Issue - Private Placement)	0.00	0.00
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BARH THERMAL POWER PROJECT NOTE NO. 23 TO THE FS-NCL-BORROWINGS

103=3	NO. 23 TO THE FS-NCL-BORROWINGS	(Amount in ₹	
	As at	31.03.2020	31.03.2019
020	8.05% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 5th May 2026 (Sixtieth Issue - Private Placement)	0.00	0.00
021	8.19% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 15th December 2025 (Fifty Seventh Issue - Private Placement)	0.00	0.00
022	7.11 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1A).	0.00	0.00
023	7.36 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2025 (Fifty Sixth Issue - Public Issue - Series 1 B).	0.00	0.00
	7.15% Tax free secured non-cumulative non-convertible redeemable bonds - 2015 of Rs. 10,00,000/- each redeemable at par in full on 21st August 2025 (Fifty Fifth Issue - Private Placement)	0.00	0.00
	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/-each redeemable at par in full on 22nd September 2024 (53rd Issue - private placement).	0.00	0.00
026 9 1 0	9.34% Secured non-cumulative non-convertible redeemable taxable bonds of [10,00,000/- each redeemable at par in full on 24th March 2024 (Fifty Second Issue - private placement)	0.00	0.00
2 p	3.19% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 10,00,000/- each redeemable at par in full on 4th March 2024 Fifty First Issue A - Private Placement)	0.00	0.00
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BA	ARH THERMAL POWER PROJECT		
NC	TE NO. 23 TO THE FS-NCL-BORROWINGS		A Maharatna Company
	As at	31.03.2020	(Amount in ₹) 31.03.2019
028	8.41% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1A)	0.00	0.00
029	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2023 (Fiftieth Issue - Public Issue - Series 1B)	0.00	0.00
030	9.25% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each with five equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 11th year and in annual installments thereafter upto the end of 15th year respectively commencing from 4th May 2023 and ending on 4th May 2027 (Forty fourth issue - private placement)VII	0.00	0.00
031	8.48% Secured non-cumulative non-nonvertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 1st May 2023 (Seventeenth issue - private placement)!	0.00	0.00
32	8.80% Secured non-cumulative non-convertible redeemable taxable bonds of ₹10,00,000/- each redeemable at par in full on 4th April 2023 (Forty ninth issue -private placement	0.00	0.00
	8.49% Secured non-cumulative non-convertible redeemable taxable fully paid-up bonus debentures of Rs. 12.50 each redeemable at par in three annual installments of Rs. 2.50, Rs. 5.00 and Rs. 5.00 at the end of 8th year, 9th year and 10th year on 25th March 2023, 25th March 2024 and 25th March 2025 respectively (Fifty Fourth Issue -Bonus Debentures)X - (refer Note 5 d)	0.00	0.00
	8.73% Secured non-cumulative	0.00	0.00

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non-convertible redeemable taxable bonds

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(Amount in ₹)

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	TO THE TO HE TO WEE BORKOWINGS		(Amount in ?)
	As at	31.03.2020	31.03.2019
	₹ 10,00,000/- each redeemable at par in full		
	on 07th March 2023 (Forty		
	eighth issue - private placement)		
	eighth issue - private placement)		
035	9.00% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds	0.00	0.00
	of		
	₹ 10,00,000/- each with five equal separately		
	transferable redeemable principal parts (STRPP) redeemable at par at		
	the end of 11th year and in		
	annual installments thereafter upto the end		
	of 15th year respectively		
	commencing from 25th January 2023 and		
	ending on 25th January 2027 (Forty second issue- private placement)		8
	second issue- private placement/ill		
036	8.84% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds	10.00	0.00
	of		
	₹10,00,000/- each redeemable at par in full on 4th October 2022		
	(Forty		
	seventh issue- private placement)VII		
	202666		
037	7.32% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds of		
	Rs 10,00,000/- each redeemable at par in		
	full on 17 July 2029 (Sixty		
	Ninth Issue - Private Placement)		
038	6.72% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds		*
	of Rs. 10,00,000/- each redeemable at par in		
	full on 24th November 2021		
	(Sixty Fifth Issue - Private Placement)		
1200000	CACTER AND ADDRESS OF WATER AND ADDRESS OF WATER AND ADDRESS OF AD		
039	8.10% Secured Non-Cumulative Non-	0.00	0.00
	Convertible Redeemable Taxable Bonds of Rs. 30,00,000/- each redeemable at par in		
	three equal separately		
	transferable redeemable principal parts		
	(STRPP) at the end of 5th year,		
	10th year & 15th year on 27th May 2021,		
	27th May 2026 and 27th May 2031 respectively (Sixty First Issue- Private		
	Placement)		
040	0.2207		
040	8.33% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00
	of		
	Rs.10,00,000/- each redeemable at par in		
	full on 24th February 2021	17. rd	Or as a
12000	1.40.05.0000	17	1

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A Maharatna Company NOTE NO. 23 TO THE FS-NCL-BORROWINGS (Amount in ₹) 31.03.2020 31.03.2019 (Fifty Ninth Issue - Private Placement). 042 8.93% Secured non-cumulative 0.00 0.00 non-convertible redeemable taxable bonds ₹ 10,00,000/- each redeemable at par in full on 19th January 2021 Thirty seventh issue - private placement)III 043 8.18% Secured non-cumulative 0.00 non-convertible redeemable taxable bonds 0.00 Rs.10,00,000/- each redeemable at par in full on 31st December 2020 (Fifty Eight Issue - Private Placement). 044 8.73 Secured non-cumulative 0.00 non-convertible redeemable taxable bonds 0.00 of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020 (Thirty third issue- private placement)III 045 8.78 Secured non-cumulative 0.00 0.00 non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 9th March 2020 (Thirty first issue- private placement)III 046 11.25% Secured non-cumulative 0.00 non-convertible redeemable taxable bonds 0.00 of ₹ 10,00,000/- each redeemable at par in five equal annual installments commencing from 6th Nov 2019 and ending on 6th Nov 2023 (Twenty seventh issue - private placement)III 047 7.89% Secured non-cumulative 0.00 non-convertible redeemable taxable bonds 0.00 ₹ 10,00,000/- each redeemable at par in full on 5th May 2019 (Thirtieth issue - private placement)III 048 8.65% Secured non-cumulative 0.00 non-convertible redeemable taxable bonds 0.00 ₹10,00,000/- each redeemable at par in full on 4th February 2019 (Twenty ninth issue - private placement)III 7.50%

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non-convertible redeemable taxable bonds

₹ 10,00,000/- each redeemable at par in full

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non-cumulative



	As at		(Amount in ₹)
	on 12th January 2019	31.03.2020	31.03.2019
	(Nineteenth issue - private placement)II		
050	non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00
	on 21st November 2018 (Twenty eighth issue - private placement)!!!		
051	non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP)	0.00	0.00
	redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII		
052	9.4376% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable	0.00	0.00
	redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 16th May		
	2018 and ending on 16th May 2032 (Forty fifth issue - private placement)VII		
053	8.00% Secured non-cumulative non-convertible redeemable taxable bonds of	0.00	0.00
	₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)!		
	9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable	0.00	0.00
) (redeemable principal parts (STRPP) redeemable at par at the end of 6th rear and in annual installments thereafter upto the end of 20th year respectively commencing from 2nd March		
	2018 and ending on 2nd March 2032 Forty third issue - private placement)III		

non-convertible redeemable taxable bonds Locked: 18.05.2020 - 14:41:44

055 9.6713%

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Secured

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non-cumulative



As at

.03,2020 (Amount in ₹) .03,2020 31.03,2019

	AS at	31.03.2020	31.03.2019
	of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP)		01.00.2015
	redeemable at par at the end of 6th year and in annual installments thereafter		
	upto the end of 20th year respectively commencing from 23rd December 2017 and ending on 23rd		
	December 2031 (Forty first issue - private placement)III		8
056	9.558% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP)	0.00	0.00
	redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year		
	respectively commencing from 29th July 2017 and ending on 29th July 2031(Fourtieth issue-private placement)III		
057	9.3896% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable	0.00	0.00
	redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year		
	respectively commencing from 9th June 2017 and ending on 9th June 2031(Thirty ninth issue-private placement)		
058	9.17% Secured non-cumulative non-convertible redeemable taxable bonds of	0.00	0.00
	₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th		
	year and in annual installments thereafter upto the end of 20th year respectively commencing from 22nd March		
	2017 and ending on 22nd March 2031(Thirty eighth issue-private placement)		
	8.8086% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th	0.00	0.00

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redeemable at par at the end of 6th

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(Amount in ₹)

	As at	2500 E 640 MO NO NO NO NO NO NO	(Amount in ₹)
	year and in annual installments thereafter	31.03.2020	31.03.2019
	upto the end of 20th year		
	December 2016 and ending on 15th		
	December 2030 (Thirty sixth issue - private placement)III		
0.0	(2) (2) (2) (2) (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4		
06	non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP)	0.00	0.00
	redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year		
	respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III		
061	Jecureu (Innacina	0.00	200
	non-convertible redeemable taxable bonds of	0.00	0.00
	₹ 15,00,000/- each with fifteen equal separately transferable		
	redeemable principal parts (STRPP)		
	redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year		
	respectively commencing from 10th June 2016 and ending on 10th June 2030		
	(Thirty fourth issue - private placement)III		
062	8.8493% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal	0.00	0.00
	redeemable principal parts (STRPP) redeemable at par at the end of 6th		
	year and in annual installments thereafter upto the end of 20th year		
	respectively commencing from 25th March 2016 and ending on 25th March		
	2030 (Thirty second issue - private placement)III		
063	9.37% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds of		0.00
	₹ 70,00,000/- each with fourteen separately transferable redeemable		
	principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December		
	2018 (Twenty fifth issue -		

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	As at	12 p diameter (1907)	(Amount in ₹)
	private placement)III	31.03.2020	31.03.2019
06	non-convertible redeemable taxable bonds of	0.00	0.00
	₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue - private placement)III		
066	8.6077% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV	0.00	0.00
067	8.3796% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV	0.00	0.00
68	8.1771% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV	0.00	0.00
	7.7125% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V	0.00	0.00
0	7.552% Secured non-cumulative	0.00	0.00

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	As at	Agree Date and Committee	(Amount in ₹)
		31.03.2020	31.03.2019
	of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually		
	commencing from 23rd September 2009 and ending on 23rd March 2019 (Twentieth issue - private placement)VI		
07	1 9.55% Secured non-cumulative non-convertible taxable redeemable bonds of	0.00	0.00
	₹ 10,00,000/- each with ten equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of the 6th year and in annual installments thereafter upto the end of 15th year respectively from 30th April 2002 (Thirteenth issue - Part		
	B - private placement)VIII		
072	non-convertible taxable redeemable bonds of ₹ 10,00,000/- each redeemable at par in ten	0.00	0.00
	equal annual installments commencing from the end of 6th year and upto the end of 15th year		
	(Thirteenth issue -Part A - private placement)VIII		
074		0.00	12000
075		0.00	0.00
081		0.00	0.00
082	Sub Total	0.00	0.00
083	Foreign Currency Notes-Unsecured	0.00	0.00 0.00
084	4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00	0.00
085	2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
086	4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
087	4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
88	4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
89	7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
90	7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
91	5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00
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A Maharatna Company NOTE NO. 23 TO THE FS-NCL-BORROWINGS (Amount in ₹) 31.03.2020 3.75 % Fixed rate notes due for repayment on 03 31.03.2019 092 0.00 April 2024 0.00 093 0.00 094 Sub Total 0.00 0.00 095 Long term maturities of Finance Lease Obligations 0.00 0.00 (Secured) IX 0.00 Long term maturities of Finance Lease Obligations 100 0.00 (Unsecured) X 0.00 101 Term Loans 0.00 102 From Banks 0.00 0.00 103 Secured 0.00 0.00 104 0.00 Rupee Loans 0.00 105 0.00 Unsecured 0.00 Foreign Currency Loans 0.00 106 0.00 107 0.00 Rupee Loans 0.00 108 0.00 From Others 0.00 109 0.00 Secured 0.00 110 Rupee Loans 0.00 0.00 111 Foreign Currency loans (guaranteed by GOI) 0.00 0.00 0.00 112 Unsecured 0.00 Foreign Currency loans (guaranteed by GOI) 0.00 113 0.00 114 Other Foreign currency loans 0.00 0.00 0.00 115 Rupee Loans 0.00 116 0.00 Deposits 0.00 117 0.00 Unsecured 0.00 118 **Fixed Deposits** 0.00 0.00 Others 119 0.00 0.00 120 0.00 Unsecured 0.00 Bonds Application Money Pending Allotment 121 0.00 0.00 122 0.00 Sub-total 0.00 Less:- Interst accrued but not due on borrowings 123 0.00 0.00 Less:- Current maturities of long term borrowings 124 0.00 0.00 125 Bonds-Secured 0.00 0.00 126 5.875% Fixed Rate Notes 0.00 0.00 127 Foreign currency loans from Banks- unsecured 0.00 0.00 128 Rupee loans from banks- Secured 0.00 0.00 Rupee loans from banks- unsecured 129 0.00 0.00 130 Rupee Term loan from Others - Secured 0.00 0.00 Foreign currency loans from others- unsecured 131 0.00 0.00 (Guaranteed by GOI) 0.00 132 Other foreign currency loans from others-0.00 unsecured 0.00 133 Rupee loans from others- unsecured 0.00 134 Finance Lease obligations - secured 0.00 0.00 135 Finance Lease obligations - unsecured 0.00 0.00 136 0.00 0.00 137 0.00 0.00

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(Amount in ₹)

	As at		(Annount III /)
200	Total	31.03.2020	31.03.2019
		0.00	0.00

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NOTE NO. 24 TO THE FS-NCL-TRADE PAYABLES

A Maharatna Company

	Anat		(Amount in ₹)	
	As at	31.03.2020	31.03.2019	
001	TRADE PAYABLES(NON CURRENT)	0.00		
002	For Goods and Services	0.00	0.00	
003	- Micro & Small Enterprises	1,570	0,00	
004	- Others	0.00	0.00	
005	Guidis	0.00	0.00	
006	Total	0.00	0.00	
000	Total	0.00	0.00	

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A Maharatna Company

NOT	NOTE NO. 25 TO THE FS-NCL-OTHER FINANCIAL LIABILITIES		(Amount in ₹)
	As at	31.03.2020	31.03.2019
001	OTHER FINANCIAL LIABILITIES (NON-CURRENT)	0.00	0.00
002	Payable for Capital Expenditure	0.00	0.00
003	- Micro & Small Enterprises	88,382,028.26	81,086,164.87
004	- Others	3,959,057,851.97	6.261.494.385.92

3,959,057,851.97 6,261,494,385.92 005 Others 0.00 0.00 006 Deposits from contractors and others 0.00 0.00 007 0.00 0.00 800 0.00 0.00 009 Total 4,047,439,880.23 6,342,580,550.79

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A Maharatna Company

	A		(Amount in ₹)
	As at	31.03.2020	31.03.2019
001	LONG TERM PROVISIONS	0.00	0.00
002	Provision for Employee Benefits	0.00	
003	Opening Balance	0.00	0.00
004	Additions/ (adjustments) during the year		0.00
005	Closing Balance	0.00	0.00
33333	Closing Balance	0.00	0.00
013		0.00	0.00
014	TOTAL	0.00	0.00
			21.00

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NO	TE NO. 27 TO THE FS-NCL-DEFERRED TAX LIABILITIES (NET)			A Maharatna Company (Amount in ₹)
	As at	Open Balance on 01.04.2019	Addition	Closing Balance on 31.03.2020
001	DEFERRED TAX LIABILITIES (NET)	- Contract of a		011 01.00.2020
02	Difference of book depreciation and tax depreciation	0.00	0.00	0.00
03	Less: Deferred tax assets			
04	Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
05	Unabsorbed Depreciation	0.00	0.00	0.00
06	Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
07	MAT credit entitlement	0.00	0.00	0.00
80	ter	0.00	0.00	0.00
9	Total	0.00	0.00	0.00
0		0.00	0.00	0.00
11	Total	0.00	0.00	0.00
2	Breakup of deferred tax assets	0.00	0.00	0.00
13	Provision	0.00	0.00	0.00
4	Statutory dues	0.00	0.00	0.00
5	Leave encashment	0.00	0.00	0.00
6	Others	0.00	0.00	
7		0.00	0.00	0.00
8		0.00	0.00	0.00

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NOTE NO. 28 TO THE FS-NCL-OTHER NON-CURRENT LIABILITIES

A Maharatna Company

	A		(Amount in ₹)
	As at	31.03.2020	31.03.2019
001	Other Non current Liabilities	0.00	0.00
002	Advances from customers and others	0.00	
003	Deposits from contractors and others		0.00
004		0.00	0.00
005	TOTAL	0.00	0.00
000	TOTAL	0.00	0.00

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A Maharatna Company NOTE NO. 29 TO THE FS-CL-BORROWINGS (Amount in ₹)

(Amount in 1)
31,03.2019
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

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BARH THERMAL POWER PROJECT NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES

NO	NO. 30 TO THE FS-CL-TRADE PAYABLES		A Maharatna Company
	As at	12-3 12-3 12-12-12-12-12-12-12-12-12-12-12-12-12-1	(Amount in ₹)
001	TRADE PAYABLES	31.03.2020	31.03.2019
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	208,009,502.56	156,853,581.80
005		3,680,121,636,99	1,579,329,331.12
006	Total	0.00	0.00
007	V.S. 2016	3,888,131,139.55	1,736,182,912.92
		0.00	0.00

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NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES

A Maharatna Company

-	As at	TIES	(Amount in ₹
0		31.03.2020	31.03.2019
120	CURRENT)	0.00	0.00
	O2 Current maturity of long term borrowings O3 Bonds-Secured	0.00	0.00
- 33		0.00	0.00
	Poreign Currency Fixed Rate Notes From Banks	0.00	0.00
00		0.00	0.00
00	[2] (* 1] [2] (* 1) (*	0.00	0.00
00	Total Loan	0.00	0.00
00		0.00	0.00
01	- Congression Caris	0.00	0.00
01		0.00	0.00
01	9) - (-0)/15/1910	0.00	0.00
01		0.00	0.00
01		0.00	0.00
01:		0.00	0.00
	Government of India)	0.00	0.00
016	and the state of t	0.00	A.244
017		0.00	0.00
018		0.00	0.00
019		0.00	0.00
020	Current maturity of finance lease obligations (secured)	0.00	0.00
021	(unsecured)	0.00	0.00
022	and and out not due on bollowings	0.00	(manager)
023	Unpaid Dividends*	0.00	0.00
024	Unpaid matured deposits and interest accrued thereon*	0.00	0.00
025	Unpaid matured bonds and interest accrued thereon*	0.00	0.00
026	Unpaid bond refund money-Tax free bonds *	10.00	
027	Book Overdraft	0.00	0.00
028	Payable to Customers	0.00	0.00
029	Liability under forward exchange contact	0.00	0.00
030	Hedging cost payable to beneficiaries	0.00	0.00
031	Derivative MTM Liability	0.00	0.00
032	Payable for Capital Expenditure	0.00	0.00
033	- Micro & Small Enterprises	0.00	0.00
034	- Others	119,631,580.11	89,942,728.42
035	Others Payables	17,165,126,486.03	15,671,780,976.01
036	Deposits from contractors and others	0.00	0.00
037	Gratuity Obligations	39,624,236.88	25,221,176,77
038	Payable to employees	0.00	0.00
039	Payable to holding company	9,454,720.46	12,930,635.32
040	Retention on A/c BG encashment (Solar)	0.00	0.00
041	Payable to Solar Payment Security Account	0.00	0.00
042	Others **	0.00	0.00
		29,253,647.00	55,970,764.00

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NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES

A Maharatna Company

NOI	E NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIE	S	(Amount in ₹)
	As at	31.03.2020	31.03.2019
043	Section 2	0.00	0.00
044	Total	17,363,090,670.48	15,855,846,280.52
045	* Represents the amounts which have not been claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
046	** Include Payable to Hospital, parties for stale cheques and other payable.	0.00	0.00

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BARH	THERMAL	POWER	PROJECT

NO	As at	A Maharatna Company (Amount in ₹)	
001	OTHER CURRENT LIABILITIES	31.03.2020	31.03.2019
002	Advances from customers and others	0.00	0.00
003	03 Deferred discount on forward exchange contact	15,439,723.62	24,207,825.89
004	Tax deducted at source and other statutory dues	0.00	0.00
005	Others	109,189,362,37	63,092,835,49
006	Total	0.00	0.00
		124,629,085.99	87,300,661.38

36

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BARH THERMAL POWER PROJECT NOTE NO. 33 TO THE FS-CL-PROVISIONS

140	OTE NO. 33 TO THE FS-CL-PROVISIONS		A Maharatna Company
	As at	31.03.2020	(Amount in ₹
00	- TEKIN PROVISIONS		31.03.201
00	to Employee Belletits	0.00	0.0
00	3 Opening balance	0.00	0.0
00	(dajastrients) during the year	0.00	0.0
008	Closing Balance	0.00	0.0
028	Acquisition	0.00	0.0
029	- Poining building	795 520 020 04	
030	Additions during the year	785,538,239,84	802,304,048.6
031		0.00	0.0
032	Amounts reversed during the year	9,150,818.05	16,765,808.8
033	Closing Balance	0.00	0.0
035	Provision for Tariff Adjustment	776,387,421.79	785,538,239.84
036	Opening balance	0.00	0.00
037		0.00	0.00
038		0.00	0.00
039	Amounts reversed during the year	0.00	0.00
040	Closing Balance	0.00	0.00
042	Provision for shortage in Fixed Assets Pending	0.00	0.00
	Investigation & Others	0.00	0.00
043	Opening balance		
044	Additions during the year	0.00	0.00
045	Amounts adjusted during the year	0.00	0.00
146	Amounts reversed during the year	0.00	0.00
)47	Closing Balance	0.00	0.00
)48	Provision for Arbitration	0.00	0.00
49	Opening balance	0.00	0.00
50	Additions during the year	461,094,823.00	461,094,823.00
51	Amounts used during the year	0.00	0.00
52	Amounts reversed during the year	0.00	0.00
53	Closing Balance	0.00	0.00
54	Others	461,094,823.00	461,094,823.00
55	Opening balance	0.00	0.00
	Additions during the year	0.00	0.00
	Amounts used during the year	0.00	0.00
	Amounts reversed during the year	0.00	0.00
	Closing Balance	0.00	0.00
2		0.00	0.00
	Total	0.00	0.00
	15000 C	1,237,482,244.79	1,246,633,062.84

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A Maharatna Company

NOT	OTE NO. 34 TO THE FS-CL-CURRENT TAX LIABILITIES (NET)		(Amount in ₹)
	As at	31.03.2020	31.03.2019
001	Current liabilities - current tax liabilities (net)	0.00	0.00
002	Opening balance	0.00	0.00
003	Additions during the year	0.00	0.00
004	Amounts adjusted during the year	0.00	0.00
005	Less: Set off against taxes paid	0.00	0.00
006	Closing Balance	0.00	0.00

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NOTE NO	OF TO	THE FSDEFERRED REVENUE	
NOTE NO.	35 10	THE ES-DEFEDDED DEVELUE	
		THE TO DETERMED REVENUE	

777	A PERSONAL PROPERTY.	The same of the sa	-
A	Maharat	na Compar	73

10000000	As at		(Amount in ₹)
001	Deferred Revenue	31.03.2020	31.03.2019
002	On account of advance against depreciation	0.00	0.00
003	On account of income from foreign currency	0.00	0.00
	fluctuation	1,336,867,000.00	-95,632,000.00
004	Government grants		
005		0.00	0.00
006	TOTAL	0.00	0.00
		1,336,867,000.00	-95,632,000.00

364

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NOT	E NO. 36 TO THE FS-REGULATORY DEFERRAL ACCOUNTS As at	OUNT CREDIT BALANCES	A Maharatna Company
		31.03.2020	(Amount in ₹)
002	Regulatory deferral account credit balances	0.00	31.03.2019
003	Exchange Differences	0.00	0.00
004	Total	0.00	0.00
is su		0.00	0.00

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N	OTE NO. 37 TO THE FS-REVENUE FROM OPERATIONS		A Maharatna Company
	For the Year ended		(Amount in ₹
00		31.03.2020	31.03.201
00		0.00	0.0
00	3 Energy Sales (including Electricity Duty)	0.00	0.0
00	Less : Advance against depreciation deferred (net)	35,713,538,092.00	8,596,211,494.00
00	Add: Revenue recognized out of advance against	0.00	0.00
	depreciation	0.00	0.00
006	Add : Exchange fluctuation receivable from customers	-240,986,000.00	-44,154,000.00
007	Sale of energy through trading	0.00	
300	Commission (NVVN)	0.00	0.00
009	Sub total	35,472,552,092.00	0.00
010	- Todate to customers	334,077,877.00	8,552,057,494.00
011	- Total)	35,138,474,215.00	662,562,319.00
012	foes	0.00	7,889,495,175.00 0.00
013	on assets on operating lease	0.00	
014	Constitution Code	0.00	0.00
015	The Company Eminiation	0.00	0.00
017		0.00	0.00
018	Total - Sales	35,138,474,215.00	0.00
019	Sale of fly ash/ash products	29,751,543.89	7,889,495,175.00
020	Less: Transferred to fly ash utilisation reserve fund	-29,751,543.89	27,265,573.00
021	Sub-total	0.00	-27,265,573.00
122	Other Operating Income	0.00	0.00
023	Interest from customers	0.00	0.00
124	Energy Internally Consumed *	106,365,289,98	0.00
25	Interest income on Assets under finance lease		52,572,506.36
026	Recognized from deferred revenue - government grant	0.00	0.00
27	Provision written back- Tariff Adjustment	0.00	ROSCI, CHEMICIOCOMINE TOCOMICINES A
28	Income form Trading of ESCerts	0.00	2.766,900,000.00
29	Income from E-Mobility Business	0.00	0.00
30	THE PARTY OF THE CONTRACT PROPERTY OF THE PROPERTY OF THE PARTY OF THE	0.00	0.00
31	Total	0.00	0.00
40	* Valued at variable cost of generation and corresponding amount included in power charges (Note No. 42)	35,244,839,504.98 0.00	10,708,967,681.36 0.00
41	Excise duty on sale of flyash,cenospere & ash products	0.00	0.00
42	Energy sales of principal nature (NVVN)	0.00	10912201
43	Energy spice of agoncy polyce (NYAM)	:0.00	0.00

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043 Energy sales of agency nature (NVVN)

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0.00

0.00



BARH THERMAL POWER PROJECT NOTE NO. 38 TO THE FS-OTHER INCOME

14	OTE NO. 38 TO THE FS-OTHER INCOME		A Maharatna Company
0/	For the Year ended	31.03.2020	(Amount in ₹
100	OTHER INCOME	0.00	31.03.2019
00		0.00	0.00
00	- manoral assets at amortised cost	0.00	0.00
00	Tax Free Ronde	0.00	0.00
00	issued by the State Governments) 6 Other Bonds		0.00
00		0.00	0.00
00		0.00	0.00
	Securities-Non-Trade	0.00	0.00
00	9 Less: Amortiation of premium	02-30	
010		0.00	0.00
01	1 Interest from others	0.00	0.00
012	2 Loan to State Government in settlement of dues from customers	0.00	0.00
013	B Loan to Subsidiary Companies		
014		0.00	0.00
015		16,359,997.84	10,217,221,32
016		0.00	0.00
017	: - '()-()-() [1-1]-(-)-(-)-(-)-(-)-(-)-(-)-(-)-(-)-(-)-(-	0.00	0.00
018		3,345,634.00	8,126,417.00
019		0.00	0.00
020		0.00	0.00
021	Deposits with banks-flyash utilisation reserve fund	0.00	0.00
022	Less: transferred to flyash utilisation reserve fund	0.00	0.00
023	Sub Total	0.00	0.00
024	Deposits with banks- DDUGJY funds	0.00	0.00
025	Interest from Contractors- DDUGJY funds	0.00	0.00
026	Transfer to DDUGJY-Advance from customers	0.00	0.00
027	Sub-total	0.00	0.00
030	Others	0.00	0.00
031	1000 CO	572.00	130,00
032	Dividend from	0.00	0.00
033	Longterm investments in	0.00	0.00
034	Subsidiaries	0.00	0.00
035	Joint Ventures	0.00	0.00
036	Equity Instruments	0.00	0.00
037	Current Investments in	0.00	0.00
038		0.00	0.00
	Mutual Funds measured at fairvalue through profit or loss	0.00	0.00
	Current investments in mutual funds-flyash utilisation reserve fund	0.00	0.00
040	Less: transferred to flyash utilisation reserve fund	0.00	
041	Lease Rent # Ash Brick Plant	0.00	0.00
042	Less: transferred to flyash utilisation reserve fund	0.00	0.00
043	Other non-operating income	0.00	0.00
	Profit on disposal of PPE	90.00	0.00
	Profit on redemption of GOI securities	1,472,548.40	499,339.01
		0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 38 TO THE FS--OTHER INCOME

A Maharatna Company

	TE NO. 38 TO THE FSOTHER INCOME		A Maharatna Company
4.00	For the Year ended	31.03.2020	(Amount in ₹
046	year on sale of investments	0.00	31.03.201
047	and a received from customers	83,581,986.00	0.0
048	and goo for equipment	4,032,398,50	11,861,469.0
049	our on option contract / Discount on	0.00	2,303,639.00
050	F.ExchContract	0.00	0.00
050	Provision written back-others	0.00	7.047.666.66
051	Fair value gains/(losses) on investments in mutual funds at fair value through profit or loss	0.00	7,047,502.00 0.00
052	Interest from Solar payment security account	0.00	
053	Less: Transferred to SPSA fund	0.00	0.00
054	Interest on "Retention on A/c BG encashment (Solar)"	0.00	0.00
055	Less : Transferred to "Retention on A/c BG encashment (Solar)"	0.00	0.00
056	Miscellaneous Income	00.040.040.44	
057	Total	23,948,715.92	29,239,945.20
058	Less:Transferred to Development of Coal Mines-	132,741,942.66	69,295,662.53
	NOTE 43A	0.00	0.00
059	Less:Transferred to Expenditure during Construction period (net)- Note 43	738,428.85	914,404.74
061		0.00	
062	Total	132,003,513.81	0.00
063	27 200		68,381,257,79
	Details of Miscellaneous Income	0.00	0.00
	Vehicle Hire Charges.	138,000.00	0.00
066	Sale of by products & residuals		306,000.00
067	Township recoveries(exl. Hospital Recoveries).	0.00	0.00
168	Depreciation written back	10,651,112.30	5,555,222.73
	Sale of Scrap.	0.00	0.00
)70 F	Receipt under loss of profit policy.	5,621,666.02	15,374,448.77
71 F	Receipts under MBD/Fire Policy.	0.00	0.00
72 1	Management development programme.	0.00	0.00
73 N	Management Fee - Misc (NVVN)	0.00	0.00
74 (Others	0.00	0.00
75		7,537,937.60	8,004,273.70
76 T	otal (Miscellaneous Income)	0.00	0.00
77	name over	23,948,715.92	29,239,945.20
78 D	etails of Provision written back others	0.00	0.00
79 D	oubtful debts	0.00	0.00
30 D	oubtful Loans, Advances and Claims	0.00	0.00
31 D	oubtful Construction Advances	0.00	0.00
32 SI	hortage in Construction Stores	0.00	0.00
3 SI	hortage in Stores	0.00	7,047,502.00
4 0	bsolescence in Stores	0.00	0.00
5 Ur	nserviceable capital works	0.00	0.00
	her Obligation	0.00	0.00
	ortage in Fixed Assets	0.00	0.00
		0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 38 TO THE FS--OTHER INCOME

THE IS THE RINCOME		- manarama company
For the Year ended		(Amount in ₹)
Diminution in value of Investment	31.03.2020	31.03.2019
value of investment	0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 38A TO THE FS--FUEL COST

A Maharatna Company

	For the Year ended		A Maharatna Company
001	FUEL COST	31.03.2020	(Amount in ₹)
			31.03.2019
002	3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	0.00	0.00
003	Captive	0.00	
004	Other than captive	0.00	0.00
005	Gas	19,894,225,481.01	0.00
006	Naptha	0.00	3,485,968,477.46
007	Oil	0.00	0.00
008	Total	115,761,836.98	0.00
009	11002.00011	20,009,987,317.99	162,469,569.23
010			3,648,438,046.69
010		0.00	0.00
		0.00	0.00
			0.00

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NOTE NO. 39 TO THE FS--EMPLOYEE BENEFITS EXPENSE

A Maharatna Compan	

	For the Year of the PSEMPLOYEE BENEFITS EXPENS	E	/ Amount to #1
001	For the Year ended	31.03.2020	(Amount in ₹
002	- TO LEE DEMELLIS EXPENSE	0.00	31.03.2019
100000	odianos and wages	1,367,836,559.98	0.00
003	ocharbation to provident and other funds	131,593,197.41	1,009,862,129.90
004	Unwinding of deferred payroll expense	11,202,688.13	131,852,945.58
005	Staff welfare expenses	161,198,175.94	6,536,654.28
006	Less: Expenses transferred to Consultancy group	0.00	142,709,542.19
007			0.00
800	Sub Total	1 674 820 624 46	0.00
009	Less: Employee benefits expense inventorised	1,671,830,621.46	1,290,961,271.95
010	Less: Transferred/Allocated to development of	69,136,225.68	62,509,880.50
	coal mines	0.00	0.00
011		0.00	
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	0.00	0.00
015	Less: Transferred to expenditure during	355,247.00	787,963.89
ENS :	construction period (net)- Note 43	180,871,873.05	832,543,749.64
	TOTAL	1 424 457 077	
017	Managerial Remuneration paid/ payable to	1,421,467,275.73	395,119,677.92
	Directors included above (except for Directors fee which is included in Note 42)	0.00	0.00
018	Salaries and wages		
	Contribution to provident and other funds	0.00	0.00
020	Staff welfare expenses	0.00	0.00
021	Directors fee	0.00	0.00
22		0.00	0.00
23		0.00	0.00
		0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 40 TO THE FS--FINANCE COSTS

NO	TE NO. 40 TO THE FS-FINANCE COSTS		(1011-0
	For the Year ended		A Maharatna Company
001	FINANCE COSTS	31.03.2020	(Amount in ₹
002		0.00	31.03.201
0.00	Finance charges on financial liabilities measured at amortised cost		0.0
003		0.00	0.00
004		4,402,424,384.70	
005	Foreign currency term loans	0.00	4,059,974,529.36
006	Rupee term loans	565,417,966.68	0.00
007	Public deposits	6,079,435,560.00	697,061,241.34
008		0.00	6,072,048,177.30
009	Foreign currency bonds/notes Cash Credit	883,692,949.50	0.00
010			868,093,934.02
	Unwinding of discount on account of vendor liabilities	0.00 13,273,738.65	0.00
011	Commercial Papers	13,273,738,85	195,754,278.58
012	Others	0.00	
013	Sub Total	0.00	0.00
014	Other Borrowing Costs	11,944,244,599.53	250.00
015	Bonds contains a	0.00	11,892,932,410.60
016	Bonds servicing & public deposit exp. Guarantee fee	5,146,109.94	0.00
017	Management fee		6,051,839.71
018		0.00	0.00
019	Committ charges/exposure premium	0.00	0.00
020	Bond issue expenses	0.00	0.00
021	Legal exp on foreign currency loans	0.00	0.00
	Foreign currency bonds/notes exp.	0.00	0.00
	Up-front fee	0.00	0.00
)24	nsurance premium on foreign currency loans	0.00	0.00
	Others	0.00	0.00
		0.00	0.00
27	ub Total (Other Borrowing cost)	0.00	0.00
	52 P V 0 2 V	5,146,109.94	6,051,839.71
20 E)	xchange differences regarded as an	0.00	0.00
5155	ljustment to interest costs	0.00	0.00
		11 949 700 700 47	-27)
201	ss: Transferred to Expenditure during	11,949,390,709.47	11,898,984,250.31
0.50	not oction period (net) - Note 42	7,797,534,905.17	11,788,595,852.93
No	ss: Transferred to development of coal mines-	0.00	
2	minute of the state of the stat	0.00	0.00
3 Tot	tal	0.00	
		4,151,855,804.30	0.00
		3.4.1500,004.30	110,388,397.38

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OTE NO. 41 TO THE FSDEPRECIATION AMORTIZATION AND THE PROPERTY OF THE PROPER		A Maharatna Company
For the Year ended		(Amount in ₹)
	31.03.2020	31.03.2019
expense	0.00	0.00
On property, plant and equipment- Note 2	280	
On intangible assets- Note 4	5,475,234,249.06	921,136,105.31
	0.00	148,560.55
Less:	5,475,234,249.06	921,284,665.86
Inventorised	0.00	0.00
	414,402,699,77	401,389,867.51
Period (net)- Note 43	0.00	0.00
Transferred/Allocated to development of coal mines	0.00	0.00
Adjustment with deferred revenue from deferred foreign currency fluctuation	44,949,000.00	10,445,000.00
Total	F. 0.4 F. 0.04	
	5,015,882,549.29	509,449,798.35
	Depreciation, amortization and impairment expense On property, plant and equipment- Note 2 On intangible assets- Note 4 Sub-total Less: Inventorised Transferred to Expenditure during Construction Period (net)- Note 43 Transferred/Allocated to development of coal mines Adjustment with deferred revenue from deferred foreign currency fluctuation	Depreciation, amortization and impairment 0.00 expense On property, plant and equipment- Note 2 5,475,234,249.06 On intangible assets- Note 4 0.00 Sub-total 5,475,234,249.06 Less: 0.00 Inventorised 1,44,402,699.77 Transferred to Expenditure during Construction Period (net)- Note 43 Transferred/Allocated to development of coal mines Adjustment with deferred revenue from deferred foreign currency fluctuation 44,949,000.00

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NOTE NO. 42 TO THE FS-OTHER EXPENSE A Maharatna Company For the Year ended (Amount in ₹) 001 OTHER EXPENSES 31.03.2020 31.03.2019 002 Power charges 0.00 0.00 Less: Recovered from contractors & employees 003 129,942,782 98 54,816,233.36 Sub-Total(Power Charges) 004 12,001,349,15 8,002,961.50 005 117,941,433.83 Water charges 46,813,271.86 127,544,201.33 006 Stores consumed 127,195,684.12 007 63,915,376,30 Rent 64,882,036,77 800 Less:Recoveries 0.00 34,864.00 009 Sub-Total (Rent) 0.00 0.00 010 Cost of extraction of Captive coal 0.00 34,864.00 011 Repairs & maintenance 0.00 0.00 012 Buildings 0.00 0.00 37,000,986.00 013 Plant & machinery 28,232,233.38 014 Power stations 0.00 0.00 015 Construction equipment 1,167,662,610.80 1,184,997,181.38 016 5,194.00 Others 160,013.00 Sub-total (Repairs & maintenance) 116,898,627.35 017 97,778,515.86 Load Dispatch Center Charges 1,321,567,418.15 019 1,311,167,943.62 021 Insurance 16,419,315.00 12,560,933.00 36,997,106.00 022 Interest to beneficiaries 35,057,189.10 023 Rates and taxes 0.00 0.00 Water cess & environment protection cess 024 23,532,987.87 20,602,250.04 Training & recruitment expenses 025 0.00 0.00 026 3,834,733.00 Less: Receipts 1,923,253.00 027 Sub-total (Training and recruitment expenses) 0.00 0.00 028 Communication expenses 3,834,733.00 1,923,253.00 20,409,473.23 029 Inland Travel 16,083,762.50 030 Foreign Travel 78,579,472,33 67,504,364,62 031 Tender expenses 1,708,520.74 2,794,539.00 032 Less: Receipt from sale of tenders 0.00 2,155,664.00 Sub-total (Tender expenses) 033 486,691.00 197,877.00 034 Payment to auditors -486,691,00 1,957,787.00 035 Audit fee 0.00 0.00 036 Tax audit fee 0.00 0.00 037 Other services 0.00 0.00 038 Reimbursement of expenses 0.00 0.00 Sub-total (Payment to Auditors) 039 362,956.00 256,147.00 Advertisement and publicity 362,956.00 040 256,147.00 041 Electricity duty 405,313.00 168,600.00 042 Security expenses 0.00 0.00 043 Entertainment expenses 450,181,157.34 453,662,577.77 044 Expenses for guest house 16,723,266,29 14,883,897.68 045 Less:Recoveries 11,665,138,45 2,316,357.10 046 Sub-Total (Guest house expenses) 0.00 9,000.00 11,665,138.45 047 Education expenses 2,307,357.10 049 14,160,00 Donations -6,372.00

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BARH THERMAL POWER PROJECT

NOTE NO. 42 TO THE FS-OTHER EXPENSE

	NOTE NO. 42 TO THE FS-OTHER EXPENSE		A Maharatna Company
	For the Year ended	81 8X 8X	(Amount in ₹
	050 Ash utilisation & marketing expenses	31.03.2020	31.03.201
3	051 Directors sitting fee	2,921,717.33	6,589,446.6
	Professional charges and consultancy fees	0.00	0.0
(054 Legal expenses	885,870.19	721,978.00
(D55 EDP hire and other charges	30,359,866.00	42,765,009.00
(956 Printing and stationery	1,992,610.00	3,144,395.92
0	957 Oil & gas exploration expenses	1,258,103.57	3,122,462.87
0	59 Hiring of vehicles	0.00	0.00
0	61 Reimbursement of L.C.charges on sales	26,584,184.74	27,345,837.55
0	redisation	0.00	0.00
	62 63 Cost of Hedging	0.00	0.00
		0.00	0.00
		0.00	0.00
	translations	74,960,806.63	0.00 76,301,419,40
06	tornois running expenses	2 425 000 00	
06	7 Horticulture Expenses	3,435,828.96	7,830,569.97
06	nencopieralician.	14,024,713.46	13,929,141.19
06	9 Hire charges of construction equipment	0.00	4,395,293.00
07	Demurrage Charges	136,880.00	264,792.00
07	2	0.00	0.00
07	3 Miscellaneous expenses	0.00	0.00
07		35,821,899.98	20,277,253.16
07	Sub-Total	131,984,264.88	71,259,811.60
076	Less: Other expenses inventorised	2,615,682,083.60	2,457,797,496.45
077	Less: Transferred/Allocated to development of	345,413,762.03	343,592,928.41
	coal mines	0.00	0.00
078	- Transierred to ity ash utilisation reserve fund		
079	Less: Hedging cost Net recoverable/psychle	-1921,777,00	11,157,621.93
080	nom/to beneficiaries	0.00	0.00
081		0.00	0.00
082	Transferred to CSR Expenses	0.00	(8) 575 m
	Construction period(net)-Note 43	314,617,241.50	0.00 633,920,079.51
083	Net (Generation, Administration and Other expenses)	1,952,729,362.74	1,469,126,866.60
084	Corporate Social Responsibility Expenses -		
085	Less: Grants-in-aid	1,878,938.28	98,888.00
086	Sub-total (Corporate Social Responsibility Expenses)	1,878,938.28	0.00
087	Provisions —		98,888.00
88	Doubtful Debts	0.00	0.00
89	Doubtful loans, advances and claims	0.00	0.00
90	Doubtful Construction Advances	0.00	
91	Shortage in stores	0.00	0.00
92		24,271,520.00	0.00
93	Obsolete/Dimunition in the value of surplus stores	0.00	0.00
94	Shortage in construction stores	5,590,290.00	0.00
	Dimunition in value of long term investments		0.00
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NOTE NO. 42 TO THE FS-OTHER EXPENSE A Maharatna Company For the Year ended (Amount in ₹) 095 Shortage in Fixed assets 31.03.2020 31.03.2019 Unfinished minimum work progress from oil & gas 096 0.00 0.00 exploration 0.00 0.00 Unserviceable capital works 097 098 Tariff Adjustment 0.00 0.00 099 38,086,000.00 Others: 0.00 (i) Provision for arbitration cases 100 0.00 0.00 101 (ii) Other provisions 0.00 0.00 102 Total (Provisions) 0.00 0.00 103 67,947,810.00 0.00 104 Total 0.00 0.00 2,022,556,111.02 105 1,469,225,754.60 Breakup of miscellaneous expenses. 106 0.00 0.00 Hire charges of office equipment 109 0.00 0.00 Operating expenses of construction equipment 111 0.00 0.00 Operating expenses of D.G. sets 112 4,336,349.87 5,481,032.41 113 Furnishing expenses 0.00 0.00 Subscription to trade and other associations. 114 325,782.14 1,246,381.14 Visa and entry permit charges 116 0.00 0.00 Tree plantation exp.-NTPC Land 117 0.00 0.00 Research & development expenses . 118 12,917,649,00 1,054,406.00 Less: Grants received for Research & 119 0.00 0.00 develoment expenses. 0.00 0.00 120 Sub-total (Research & development expenses) 121 Bank charges 0.00 0.00 122 Business Development Expenditure 933,475.42 528,345.94 123 Surcharge (NVVN) 0.00 0.00 124 Power Trading Expenses 0.00 0.00 125 Brokerage & commission 118,000.00 350,999.00 129 Books and periodicals 0.00 0.00 130 Claims/advances written off 65,938.60 71,022.00 131 Stores written off 0.00 0.00 Survey &Investigation expenses written off 132 0.00 0.00 133 Others 2,124,000.00 0.00 134 Total 15,000,704.95 11,545,066.67 135 35,821,899.98 20,277,253.16 136 0.00 0.00 137 0.00

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BARH THERMAL	POWER PROJECT
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5	THERMAL POWER PROJECT		(1411-C
NC	For the Year ended	TRUCTION BEDIOD (NEW	A Maharatna Company
	- Tobi Gridge		(Amount in ₹
00	- CHOITORE DURING CONSTRUCTION	31.03.2020	31.03.201
002	PERIOD (NET)	0.00	0.0
002	- Project beliefits expense	0.00	
004	wages	152,297,933.14	0.00
005	and other funds	15,577,131.15	678,656,163,06
006	and deficied payroll expenses	0.00	135,769,417.92
	- weitere expenses	12,996,808.76	0.00
007		180,871,873.05	18,118,168,66
008	- · · · · · · · · · · · · · · · · · · ·	0.00	832,543,749.64
009	Finance charges on financial liabilities measured at amortised cost	0.00	0.00
010	Bonds		0.00
011	Foreign currency term loans	3,613,385,705,96	4,013,844,967.06
012	Rupee term loans	431,003,707.96	783,742,126.00
013	Foreign currency bonds/notes	3,423,975,806.51	6,042,347,934.37
014	Unwinding of discount on account of vendor	309,954,992.00	747,314,406.00
2000000	liabilities	13,221,255.77	195,265,835.65
015 016	Others	0.00	
017	Other D	0.00	0.00
	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	16576	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
123	Foreign Credit Insurance Premium	0.00	0.00
	Upfront Fee	0.00	0.00
	Exchange Differences	0.00	0.00
	Others	0.00	0.00
27	Exchange differences regarded as adjustment to	5,993,436.97	6,080,583.85
E	interest cost	0.00	0.00
29	Total (B)	7,797,534,905.17	11,788,595,852.93
30 (C. Depreciation and amortisation	0.00	0.00
31 E). Generation , administration and other	0.00	0.00
е	xpenses	0.00	0.00
32	Power charges		
33	Less: Recovered from contractors & employees	115,654,703.88	-115,960,356,49
4	Sub-total(Net power charges)	150,309.32	152,339.95
5	Water charges —	115,504,394.56	-116,112,696.44
6	Rent	0.00	0.00
7	Repairs & maintenance	0.00	0.00
8	Buildings	0.00	0.00
9	Construction equipment	1,779,132,80	2,104,743.93
)	Others	0.00	20,093.00
1		40,000,981.91	313,541,966.34
2	Insurance	0.00	0.00
		33,422.00	811,130.00

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NO	E NO. 43 TO THE PROJECT		CHIPC
1101	E NO. 43 TO THE FS-EXPENDITURE DURING CON For the Year ended	NSTRUCTION PERIOD (NET)	A Maharatna Company
043		31.03.2020	(Amount in
044	Rates and taxes	4,537,623.22	31.03.20
045	Communication expenses	2,026,820,47	2,969,323.
045	Travelling expenses	10,636,535,19	2,267,598.5
	Tender expenses		13,767,454.1
047	Less: Income from sale of tenders	0.00	0.0
048	Sub-total (Net tender expenses)	0.00	0.0
049	Advertisement and publicity —	0.00	0.0
050	Security expenses	0.00	0.0
051	Entertainment expenses	115,577,819.69	134,460,344.0
052	Guest house expenses	1,003,577.01	932,172.3
053	Less: Receipt from guest house	0.00	0.00
054	Sub-total (Net Guest House Expenses)	0.00	0.00
055	Education expenses —	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	1,700.00	1,014.00
059	Professional charges and consultancy fee	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	22,582,851,00	18,596,174.00
062	Printing and stationery	0.00	28,276.00
063	Miscellaneous expenses	1,017.00	135,807.00
064 T	otal (D)	931,366.65	260,396,678.94
	otal (A+B+C+D)	314,617,241.50	633,920,079.51
	Less: Other Income	8,293,024,019.72	13,255,059,682.08
067	Interest from	0.00	0.00
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
	Sale of scrap	0.00	0.00
	change Differences	0.00	0.00
	scellaneous income	0.00	9,942.14
	TAL (E)	738,428.85	0.00
100	Net actuarial gain/loss OCI	738,428.85	904,462.60
78	vet actuariai gain/ioss OCI	0.00	914,404.74
	AND TOTAL (A.B. C	0.00	0.00
80 GR	AND TOTAL (A+B+C+D-E+F)	8,292,285,590.87	0.00
	dance are a constant and a constant	0.00	13,254,145,277.34
and the same of the same of	alance carried to Capital Work-in-progress - te 3)	8,292,285,590.87	0.00 13,254,145,277.34

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BARH THERMAL POWER PROJECT NOTE NO. 44-A TO THE FINANCIAL STATEMENTS

A Maharatna Company

	As at		A Maharatha Company (Amount in ₹
0	01 Balance sheet	31.03.2020	
0		0.00	31.03.2019
	O2 Freehold land for which conveyancing of the title is awaiting completion of legal formalities	0.00	0.00
0	03 (a) area (in acres)		0.00
0	04 (b) value (in rs)	51.21	51.21
0	D5 Right-of-use land for which execution of lane.	79,497,948.00	79,497,948.00
507	deed is awaiting completion of legal formalities	0.00	0.00
	(a) area (in acres)	200	
	7 (b) value (in rs)	3.08	3.08
00	Right-of-use land acquired on perpetual lease and	836,926,81	836,926.81
ാറ	accordingly not amortised	0.00	0.00
00	(a) area (in acres)	0.00	
01	(-) reliad (iii ia.)	0.00	0.00
UI	The state of the second of the	32.51	0.00
011	settlement of price (in acres)	32.51	32.51
012	in possession of the company included in cost of land which is subject to adjus	1.796,531,477.00	1,796,531,477.00
013	- Total possession of the company		
014	() = (in acres)	0.00	0.00
015	107 - 100 (11113)	0.00	0.00
016	agin of use buildings bending completion at least	0.00	0.00
017	value (III (S.)	0.00	0.00
018	executed on capital account and not provided for	0.00	0.00
019	Property, plant & equipment	34,920,107,144.30	DANSANTO FIRES T
020	Intangible assets	0.00	36,372,786,284.50
021	Details of precommissioning expenditure	0.00	0.00
022	(a) precommissioning expenses	284,195,481.51	0.00
023	(b) precommissioning income	0.00	0.00
023	(c) net precommissioning expenditure	284,195,481,51	0.00
025	Impact due to change in Accounting policy:-	0.00	0.00
020	(a) Increase in profit/Decrease in depreciation for the year due to change in depreciation on RE assets (Competitive bidding)	0.00	0.00 0.00
026	(b) Decrease in profit due to the adjustment in		
:	grants recognized consequent to change in policy	0.00	0.00
027		27221	
)28		0.00	0.00
29		0.00	0.00
30	Beautiful on the Super-control of the Control of	0.00	0.00
31	Exchange rate variation taken to revenue during the year (with -ve sign, if favourable)	0.00 7.082,276.62	0.00 23,330,219.26
45	Exchange rate variation capitalised during the year with -ve sign, if favourable)	3,145,456,073.41	2,114,307,968,00
50 F	inance lease		2,111,007,000,00
51 /	obligations towards minimum lease payments	0.00	0.00
52 1	lot later than one year	0.00	0.00
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	BARH THERMAL POWER PROJECT		MIPC
	NOTE NO. 44-A TO THE FINANCIAL STATEMENTS		A Maharatna Company
	As at	24.02.5005	(Amount in ?
	053 Later than one year and not later than five years	31.03.2020	31.03.201
	US4 Later than five years	0.00	0.0
	055 Total —	0,00	0.0
	D56 B) present value of (a) above	0.00	0.0
	Not later than one year	0.00	0.0
	Later than one year and not later than five years	0.00	0.0
	Later than five years	0.00	0.0
	60 Total —	0.60	0.0
	61 C) finance charges ——	0.00	0.00
	62 Operating leases	0.00	0.00
	63 A) rent	0.00	0.00
	64 Company lease accomodation - executives	0.00	0.00
06	Company lease accomodation - directors	431,587.40	436,498.00
06	66 Others	0.00	0.00
06	7 Total ——	0.00	34,864.00
06	B) (i) receipts from sub-lease of office buildings	431,587.40	471,362.00
06	9 (ii) receipts from sub-lease of helicopter	0.00	0.00
07	Borrowing cost capitalised during the year	0.00	0.00
07	1 Revenue grants recognized during the year	7,797,534,905.17	11,788,595,852.93
07	Revenue expenditure on research and	0.00	0.00
	development	0.00	0.00
07:	experience of research and development		3.00
074	> Si an	0.00	0.00
075	Expenditure on sustainibility development - capital	0.00	0.00
07€	Expenditure on csr- capital	0.00	0.00
077	Csr amount spent during the year, yet to be paid in	0.00	0.00
	94311	0.00	0.00
078	any asset		0.00
079	On purpose other than above	0.00	0.00
080		0.00	46,480.00
081		0.00	0.00
082	Disclosure under msmed act 2006.	0.00	0.00
083	(i) (a) the principal amount remaining unpaid as at	0.00	0.00
	year end	416,023,110.93	327,882,475.09
84	(i) (b) interest due there on remaining unpaid as at		
	, our one	0.00	2,191,881.00
85	(ii) the amount of interest paid by the buyer in	2012/01	
	terms of section 16, along with the amounts of the	0.00	0.00
36	payment made to the supplier		
-	(iii) the amount of interest due and payable for the	0.00	
	period of delay in making payment(which has been paid but beyond the appoin	9.00	0.00
7	(iv) the amount of interest accrued and remaining		
	unpaid at the end of the year; and	0.00	0.00
8	(v) the amount of further interest remaining due		0.00
	and payable even in the succeeding years well	0.00	0.00
	such date when the interest due		0.00
1			
al-	1000	0.00	0.00
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BARH THERMAL POWER PROJECT NOTE NO. 44-A TO THE FINANCIAL STATEMENTS A Maharatna Company As at (Amount in ₹) 112 Amount of inventories recognized as an expense 31.03.2020 31.03.2019 20,650,162,919.58 (including fuel) 4,170,015,039,44 Amount of inventories capitalised as overhauling 113 assets out of 112 above 149,043,429.87 93,892,274.52 Amount capitalised as edc out of 112 above 114 134 0.00 0.00 135 0.00 Contingent liabilities 0.00 A. Claims against the company not acknowledged 0.00 136 0.00 as debts in respect of ; 0.00 0.00 137 (i)Capital works 19,071,407,169,94 138 (ii)Land compensation cases 19,070,791,070.94 749,922,918.60 139 (iii)Others by state authorities towards:-749,922,918.60 (a) Water royalty / water charges / nala tax 0.00 140 0.00 (b) Diversion of land / building permission fees 0.00 141 0.00 (c) Other demands by state authorities 0.00 142 0.00 57,660,274.00 143 (iv) Others by fuel companies 51,660,274.00 (a) Disputes related to grade slippage-third party 144 0.00 0.00 2,392,873,500.54 sampling 2,159,200,677.75 145 (b) Surface transportation charges on coal 146 128,546,247,76 (c) Take or pay claim - Gas stations 42,369,488.76 (d) Other claims by fuel companies not 0.00 0.00 acknowledged as debt 0.00 0.00 149 B.Disputed tax demands 0.00 150 (i) Income tax 0.00 1,238,660.00 151 (ii) Excise duty 1,238,660.00 152 0.00 (iii) Sales tax 0.00 158,904,170.00 153 (iv) Service tax 158,904,170.00 154 0.00 (v) Entry tax 0.00 33,285,935.00 155 C. Others 29,059,232.00 1,358,784.00 156 1,712,349.00 22,595,197,659.84 D. Possible reimbursement on account of 157 22,264,858,841.05 contingent liabilities 0.00 0.00 158 (i) Capital works 0.00 159 (ii)Land compensation cases 0.00 160 0.00 (iii)Others (by state authorities) 0.00 0.00 161 0.00 162 0.00 (iv) Others by fuel companies 0.00 2,521,419,748,30 163 (v) Disputed income tax demand 2,201,570,166.51 164 0.00 (vi) Disputed tax demands -others 0.00 0.00 165 (vii) Others 0.00 0.00 167 Total 0.00 2,521,419,748.30 E.AMOUNT PAID UNDER PROTEST/ADJUSTED 168 2,201,570,166.51 BY AUTHORITIES - TAX CASES 78,276,994.40 78,276,994,40 169 0.00 170 F.CONTINGENT ASSETS 0.00 171 0.00 0.00 0.00 172 0.00 173 0.00 0.00 0.00 0.00

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BARH THERMAL POWER PROJECT NOTE NO. 44-A TO THE FINANCIAL STATEMENTS

A Maharatna Company

	As at		(Amount in ₹)
175		31.03.2020	31.03.2019
	regrouped/rearranged wherever necessary.	0.00	0.00

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	NOTE NO. 44-B TO THE ES. DDD DIGG.		Attabasets
	NOTE NO. 44-B TO THE FSRPD DISCLOSURE- TRANSAGE For the Year ended	CTIONS DURING THE PERIOD	A Maharatna Compan
		31.03.2020	(Amount in
	" " " " " " " " " " " " " " " " " " "	0.00	31.03.20
	OO2 Contracts for works/services for services received by the company	0.00	0.0
		9.00	0.0
	Contracts for works/services for services provided by the company	0.00	0.0
(D04 Deputation of employees		0.0
(005 Purchases or sales of goods	0.00	0.0
0	Purchases or sales of property and other assets	0.00	0.0
0	07 Sub-total	0.00	0.0
0	08	0.00	0.0
0	09 Dvidend received	0.00	0.00
0	10 Equity contributions made	0.00	0.00
0	11 Share application money pending allotment	0.00	0.00
0	12 Loans granted	0.00	0.00
0		0.00	0.00
01		0.00	0.00
01	5 Sub-total -	0.00	0.00
01		0.00	0.00
01	7 Transactions during the year-jvs	0.00	0.00
01	8 Contracts for works/services for services received	0.00	0.00
	by the company	457,952,185.98	400,835,578.00
019		yet in the control of	400,633,578.00
	by the company	0.00	0.00
020	Deputation of employees		0.00
021	Purchases or sales of goods	0.00	0.00
022	Purchases or sales of property and other assets	0.00	0.00
023	Sub-total	0.00	0.00
024		457,952,185.98	400,835,578.00
025	Dividend received	0.00	0.00
026	Equity contributions made	0.00	0.00
027	Share application money pending allotment	0.00	0.00
028	Loans granted	0.00	0.00
029	Guarantees received	0.00	0.00
030	Guarantees provided	0.00	0.00
031	Sub-total ———	0.00	0.00
032	Total	0.00	0.00
033	Transactions with post employment benefit	457,952,185.98	400,835,578.00
	Piulio	0.00	0.00
034	Contributions made during the year		
)35	Compensation to key management personnel	0.00	0.00
36	Short term employee benefits	0.00	0.00
37	Post employment benefits	0.00	0.00
38	Other long term benefits	0.00	0.00
39	Termination benefits	0.00	0.00
40	Share based payments	0.00	0.00
41	Sub-total ———	0.00	0.00
12	Transactions with the related parties under the	0.00	0.00
	d: 18.05.2020 - 14:41:44	0.00	0.00

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AL	OTE NO 11 -		
144	OTE NO. 44-B TO THE FS-RPD DISCLOSURE- TRANSA For the Year ended	CTIONS DURING THE BERIOR	A Maharatna Company
		31.03.2020	(Amount in ₹
0.4	control of the same government:	31.03.2020	31.03.201
04	and its subsidiaries purchase of	10 149 422 222 22	
04	COLI	10,148,422,936.89	6,098,914,082.9
04	oungarous coameids ito- purchase of coal	0.00	
		0.00	0.0
046	or equipment, supply & erection services	63,005,952.70	0.0
047	Furchase of spares	194,655,879.22	5,325,200.0
048	TOTAL SELVICES		175,330,626.87
049	-us total	91,756,560.14	216,542,832.22
050	to deppty of flatural das	349,418,392.06	397,198,659.11
051	o oppriy or on products	0.00	0.00
052		518,400,616.69	33,140,776.75
053	Sail-supply of steel and iron products	0.00	0.00
054	Other entities	153,534,533.89	146,240,444.87
055	Purchase of equipments & erection services	0.00	0.00
056	Purchase of spares	74,146,146.61	103,012,103.90
057	Maintenance services	23,058,033,94	51,842,214.38
058		37,529,578,22	57,535,249.49
059	Total —	0.00	0.00
060	Transaction with other	11,304,510,238.30	6,887,883,531.45
061	Transaction with ntpc education and research	0.00	0.00
	society and ntpc foundation	0.00	0.00
062	- transactions during the year		0.00
063	ADDITIONAL TRANSACTIONS WITH BELATION	0.00	0.00
	ANTIES FOR PSU	0.00	0.00
)64	Compensation to key management personnel		3.00
	(mending co secretary/ cmd and non executive	0.00	0.00
	an ectors,		3393F/A
65	Short term employee benefits	0.00	
66	Post employment benefits	0.00	0.00
67	Other long term benefits	0.00	0.00
	Directors sitting fee	0.00	0.00
	Termination benefits	0.00	0.00
70 5	Share based payments	0.00	0.00
71 E	Bank guarntee received from joint venture	0.00	0.00
	ornpariies	0.00	0.00
2 4	Additional Transactions with GAIL	greer.	
3		0.00	0.00
4		0.00	0.00
5		0.00	0.00
		0.00	0.00

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NOTE NO. 44-C TO THE FS--RPD DISCLOSURE- OUTSTANDING BALANCES

A Maharatna Company

	As at	STANDING BALANCES	(Amount in ₹)
001		31.03,2020	31.03.2019
002		0.00	0.00
003	- From Subsidiaries	0.00	0.00
004		0.00	0.00
005	- From KMP	0.00	0.00
006	- From Others	0.00	0.00
007	Sub-total	0.00	0.00
008	Amount recoverable other than loan	0.00	0.00
009	- from subsidiaries	0.00	0.00
010	- from joint ventures	0.00	0.00
011	- from key managerial personnel	0.00	0.00
012	- from post employment benfit plans	0.00	0.00
013	- from others	0.00	0.00
014	Sub-total	0.00	0.00
015	Amount payable	0.00	0.00
016	- from subsidiaries	0.00	0.00
017	- from joint ventures	0.00	0.00
018	- from key managerial personnel	43,961,059.00	34,584,238.02
119	- from post employment benfit plans	0.00	0.00
20	- from others	0.00	0.00
21	Sub-total	0.00	0.00
22		43,961,059.00	34,584,238.02
		0.00	0.00

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BARH THERMAL POWER PROJECT BALANCE SHEET

As at (Amount in ₹) Note 31.03.2020 001 ASSETS 31.03.2019 002 0.00 0.00 003 **Non-Current Assets** 0.00 0.00 004 Property, plant and equipment 0.00 0.00 2 84,516,529,371.10 005 Capital-Work-in-Progress 87,776,729,844,14 3 172,694,457,461.95 006 Intangible Assets 157,422,392,430,14 4 007 Intangible Assets under Development 0.00 0.00 5 Investments in Subsidiaries and Joint 0.00 008 0.00 6 Ventures 0.00 0.00 009 Financial Assets 010 0.00 i) Investments 0.00 7 011 ii) Trade receivables 0.00 0.00 8 012 0.00 iii) Loans 0.00 9 89,993,507.50 013 iv) Other financial assets 87,267,901.86 10 014 Other non-current assets 0.00 0.00 9,440,627,254.92 015 Total non-current assets 8,657,270,844.38 266,741,607,595.47 016 253,943,661,020.52 017 0.00 Current Assets 0.00 018 Inventories 0.00 0.00 12 5,790,640,168.36 Financial assets 019 4,846,808,683,86 020 0.00 i) Investments 0.00 13 021 0.00 ii) Trade receivables 0.00 14 1,109,423.55 022 iii) Cash and cash equivalents 0.00 15 150,802.21 023 iv) Bank balances other than cash and 5,541,993.82 16 cash equivalents 0.00 0.00 024 v) Loans 17 55,272,321,66 025 vi) Other financial assets 49,387,689.57 18 191,114,385.94 026 252,203,341,61 Other Current Assets 027 0.00 0.00 19 4,168,034,033.01 028 4,286,867,059,90 029 0.00 0.00 **Total Current Assets** 0.00 030 0.00 10,206,321,134.73 031 Regulatory deferral account debit 9,440,808,768,76 20 -956,367,153.14 balances -1,055,732,488.60 032 TOTAL ASSETS 275,991,561,577.06 **EQUITY AND LIABILITIES** 034 262,328,737,300.68 035 0.00 Equity 0.00 036 Equity Share capital 0.00 0.00 21 037 0.00 Other equity 0.00 12,546,317,759.63 040 Total equity 9,675,460,453.16 12,546,317,759.63 041 9,675,460,453.16 042 Liabilities 0.00 0.00 043 Non-Current Liabilities 0.00 0.00 044 0.00 Financial liabilities 0.00 045 0.00 i) Borrowings 0.00 23 0.00

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BALANCE SHEET 2020-21



BARH THERMAL POWER PROJECT STATEMENT OF PROFIT AND LOSS

314	TEMENT OF PROFIT AND LOSS	100 UN 200 UN	engaran was established	(Amount in ₹)
	For the Year ended	Note	31.03.2021	31.03.2020
001	Revenue		0.00	0.00
002	Revenue from operations	37	37,427,372,726.61	35,244,839,504.98
003	Other income	38	247,000,214.00	132,003,513.81
005	Total Revenue		37,674,372,940.61	35,376,843,018.79
007	Expenses		0.00	0.00
800	Fuel including cost of captive coal	38A	21,613,924,666.88	20,009,987,317.99
009	Employee benefits expense	39	1,441,584,682.67	1,421,467,275.73
010	Electricity purchased for trading		0.00	0,00
011	Finance costs	40	3,622,808,452.08	4,151,855,804.30
012	Depreciation and amortization expenses	41	5,113,209,675.48	5,015,882,549.29
013			0.00	0.00
014	Other expenses	42	2,023,928,867.10	2,022,556,111.02
015	CC expenses charge to revenue		-123,141,142.86	-16,857,282.44
016	Less: Unit expenses transferred to CC		0.00	0.00
017	Total expenses		33,692,315,201.35	32,604,891,775.89
020	Profit before exceptional items & tax	XA	3,982,057,739.26	2,771,951,242.90
021	Exceptional items		0.00	0.00
024	Profit before tax		3,982,057,739.26	2,771,951,242.90
027	Tax expense:		0.00	0.00
028	Current tax		0.00	0.00
029	Deferred tax		0.00	0.00
030			0.00	0.00
031	Total Tax expense		0.00	0.00
032	Profit for the period before regulatory deferral account balances	-	3,982,057,739.26	2,771,951,242.90
033	Movement in regulatory deferral account balances		0.00	0.00
034	Regulatory deferred account - deferred		0.00	0.00
035	Others		-5,638,643.50	99,365,335.46
036	Tax impact on Regulatory deferral account balances		0.00	0.00
037	Movement in Regulatory deferrall account balances (Net of Tax)		-5,638,643.50	99,365,335.46
038	Profit for the period/ year		3,976,419,095.76	2,871,316,578.36
039	Other comprehensive income		0.00	0.00
040	(A) Items that will not be reclassified to profit or loss		0.00	0.00
041	 Net gains/(losses) on fair value of equity instruments through other comprehensive income 		0.00	0.00
042	Income tax on above that will not be reclassified to profit or loss		0.00	0.00
043	- Net acturial gains/(losses) on defined benefit plans		-14,716,099.33	-30,210,815.78
044	Income tax on above that will not be reclassified to profit or loss		0.00	0.00

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BARH THERMAL POWER PROJECT STATEMENT OF PROFIT AND LOSS

_				(Amount in <
For t	ne Year ended	Note	31.03.2021	31.03.2020
			0.00	0.00
	comprehensive income for the net of income tax		-14,716,099.33	-30,210,815.78
			0.00	0.00
Total year	Comprehensive Income for the		3,961,702,996.43	2,841,105,762.58
		0	0.00	0.00
Earni	ngs per equity share:		0.00	0.00
Basic	& Diluted		0.00	0.00
Signifi	cant Accounting Policies		0.00	0.00
	diture during construction period Dev. of coal mines (net) 43 /43A		0.00	0.00
	ccompanying notes 1 to 44 form a al part of these financial statemen		0.00	0.00

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(Head of Finance)

(Head of Unit)

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	As at	Note	31.03.2021	(Amount in ₹ 31.03.202
01	ASSETS	(1000)	0.00	0.0
02			0.00	0.00
03	Non-Current Assets		0.00	0.00
04	Property, plant and equipment	2	79,183,870,235.23	84,516,529,371.10
05	Capital-Work-in-Progress	3	185,775,192,051.60	172,694,457,461.9
06	Intangible Assets	4	64,043.08	0.0
7	Intangible Assets under Development	5	0.00	0.00
18	Financial Assets		0.00	0.00
9	i) Investments in Subsidiaries and Joint Ventures	6	0.00	0.00
10	ii) Investments	7	0.00	0.00
11	III) Trade receivables	8	0.00	0.00
2	iv) Loans	9	111,158,418.22	89,993,507.50
3	v) Other financial assets	10	0.00	0.00
14	Other non-current assets	11	9,432,572,520.94	9,440,627,254.92
15	Total non-current assets	7	274,502,857,269.07	266,741,607,595.47
16			0.00	0.00
17	Current Assets		0.00	0.00
8	Inventories	12	3,443,194,140.09	5,790,640,168.36
9	Financial assets		0.00	0.00
0	i) Investments	13	0.00	0.00
1	ii) Trade receivables	14	0.00	0.00
2	iii) Cash and cash equivalents	15	484,385.32	150,802.21
3	 iv) Bank balances other than cash and cash equivalents 	16	0.00	0.00
4	v) Loans	17	61,312,894.69	55,272,321.66
25	vi) Other financial assets	18	290,501,910.08	192,223,809.49
6	Current Tax Assets (net)		0.00	0.00
7			0.00	0.00
8	Other Current Assets	19	3,535,962,329.04	4,168,034,033.01
9			0.00	0.00
0	Total Current Assets		7,331,455,659.22	10,206,321,134.73
1	Regulatory deferral account debit balances	20	-962,005,796.64	-956,367,153.14
12	TOTAL ASSETS		280,872,307,131.65	275,991,561,577.06
4	EQUITY AND LIABILITIES		0.00	0.00
5	Equity		0.00	0.00
6	Equity Share capital	21	0.00	0.00
7	Other equity	22	16,542,437,305.04	12,546,317,759.63
0	Total equity	-	16,542,437,305.04	12,546,317,759.63
1			0.00	0.00
	Liabilities		0.00	0.00
	Non-Current Liabilities		0.00	0.00
	Financial liabilities		0.00	0.00
	i) Borrowings	23	0.00	0.00

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	As at	Note	21.02.2024	(Amount in ₹
046	ii) Trade payables	IVOLE	31.03.2021	31.03.2020
047	- Total outstanding dues of micro and	24	0.00	0.00
	small enterprises	24	0.00	0.00
048	 Total outstanding dues of creditors other than micro and small enterprises 	24	0.00	0.00
049	iii) Other financial liabilities	25	4,017,929,059,44	4,047,439,880.23
050	Provisions	26	0.00	0.00
051	Deferred Tax Liabilities (net)	27	0.00	0.00
052	Other non-current liabilities	28	0.00	0.00
053			0.00	0.00
054	Total non-current liabilities		4,017,929,059.44	4,047,439,880.23
055		8	0.00	0.00
056	Current Liabilities		0.00	0.00
057	Financial liabilities		0.00	0.00
058	i) Borrowings	29	0.00	0.00
059	ii) Trade Payables		0.00	0.00
060	 Total outstanding dues of micro and small enterprises 	30	148,538,097.49	208,009,502.56
061	 Total outstanding dues of creditors other than micro and small enterprises 	30	2,368,138,483.99	3,680,121,636.99
062	iii) Other financial liabilities	31	17,661,875,074.01	17,363,090,670.48
063	Other current liabilities	32	83,471,899.36	124,629,085.99
064	Provisions	33	1,680,973,759.99	1,237,482,244.79
065	Current tax liabilities (net)	34	0.00	0.00
066			0.00	
67	Sub Total		21,942,997,314.84	0.00 22,613,333,140.81
68			0.00	0.00
69	Deferred Revenue	35	1,088,266,000.00	1,336,867,000.00
	Regulatory deferral account credit balances	36	0.00	0.00
71	Inter Unit Accounts		237,280,677,452.33	225 447 602 702 60
72			0.00	235,447,603,796.39
73 1	TOTAL EQUITY AND LIABILITIES	_	280,872,307,131.65	0.00
	Significant Accounting Policies as per Note 1	1	0.00	275,991,561,577.06 0.00
75			2.00	-070.07
76 T	The accompanying notes 1 to 44 form an ntegral part of these financial statements.		0.00	0.00 0.00
77			Legitories II	30309040
78			0.00	0.00
150			0.00	0.00

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(Head of Finance)

(Head of Unit)

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Note forming part of Balance Sheet Note 2 : Property, Plant And Equipment Business Area :1028

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
1 TANGIBLE ASSETS	00:00	0.00	0.00	0:00	0.00	00:0	00'0	0.00	000	000
2 Land: (including development expenses)	0.00	0.00	00'0	00'0	0.00	0.00	00.0	0.00	000	00'0
3 Freehold	3077719046.00	0.00	00:0	3077719046.00	00:0	000	0000	000	30777748004E 000	000000000000000000000000000000000000000
4 Right of Use	49673929.64	00'0	0.00	49673929.64	1103679	3046741.03	0.00	14083534.34	35590395 30	38637136 33
5 Submergence	000	0.00	00'0	0.00		00:0	0.00	0.00	0.00	000
6 Right of use - Coal Bearing Area Land	0.00	00'0	00.0	0.00	0.00	000	0.00	0.00	000	0.00
7 Roads,bridges, culverts & helipads	1097541499.93	1836323.00	650205.65	1100028028.58	158734125.09	37204656.52	0.00	195938781.61	904089246.97	938807374.84
8 Building:	000	00'0	0.00	00:00	0.00	00.0	0.00	0.00	000	000
9 Freehold	0.00	0.00	0.00	0.00	0.00	00.0	000	000	000	000
10 Main plant	5190338669.73	000	1137197.00	5191475866.73	804558452.46	175056824.25	0.00	980625276.71	4210850590 02	4384780217.27
11 Others	1926739486.26	115656271.03	(352071.18)	2042043686.11	319960853.73	74499550.52	(804276.33)	393656128.02	1648387558.09	1606778632 53
12 Right of Use	0.00	00'0	0.00	0.00	000	00:00	0.00	000	0.00	000
13 Temporary erection	1323744.12	000	00:00	1323744.12	362558.89	961185.23	0.00	1323744 12	000	061185 23
14 Water Supply, drainage & sewerage system	118501198.74	000	00:0	118501198.74	18967631.56	4207992.10	0.00	23175623.66	96325575.08	99533567.18
15 Hydraulic works, barrages, dams, tunnels and power channel	0.0	0.00	0.00	00.0	0.00	0.00	0.00	00'0	0.00	0.00
16 MGR track and signalling system	1086318635.87	00:0	0.00	1086318635.87	253799964.85	54600118.03	0.00	308400082,88	777918552.99	832518671.02
17 Rallway siding	2911378389.73	00:00	0.00	2911378389.73	592467719.09	148317091,63	000	740784810.72	2170503570.01	0348840870.64
18 Earth dam reservoir	00'0	00.00	0.00	0:00	0.00	0.00	0.00	0.00	000	0.00
19 Plant and machinery(including associated civil works) Owned Asset	88981562046.64	250585672.85	(111402844.11)	(111402844.11) 89120744875.38 18260779128.79	18260779126.79	5080238995.19	(3434784.15)	3434784.15 23337583337.83	65783161537,55	70720782919.85



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Note forming part of Balance Sheet Note 2 : Property, Plant And Equipment Business Area :1028

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
20 Plant and machinery(including associated civil works) Right of use Asset	0.00	00.0	00'0	00'0	0:00	0,00	000	0.00	00.0	000
21 Furniture and fixtures	191776272.26	10728675.30	3,88	202504951.45	56629337.06	13331775.40	0.00	69961112.46	132543838.99	135146935.20
22 Assets under 5 Km Scheme	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00:00	00'0
23 Vehicles including speedboats / helicopter- Owned	4648732.42	0.00	(111921.43)	4536810.99	1314331.90	241731.45	(62445.13)	1493618.22	3043192.77	3334400.52
24 Vehicles including speedboats / helicopter - Leased	00'0	0.00	00'0	0.00	0.00	0.00	0.00	0000	00 0	00'0
25 Office equipment	62173324.84	3078076,71	(50642.67)	65200758.88	23094713,46	5930718.96	(35789.07)	28989643.35	36211115.53	39078611.38
26 EDP, WP machines and satcom equipment	71829150.05	9523816.19	(2086072.10)	79266894.14	48231867.05	12182357.25	(2090666.06)	58323558.24	20943335.90	23597283.00
27 Construction equipments	116296836.08	1324690.00	16863970.00	134485496.08	48084854.15	10674051.42	0.00	58758905.57	75726590.51	68211981.93
28 Electrical Installations	264278305,47	0.00	00'0	264278305,47	69952784.93	14066124.42	0.00	84018909.35	180259396.12	194325520.54
29 Communication equipments	49956393.63	1984450.58	(112787.54)	51828056.67	18567821,42	4525409.03	(97079.50)	22996150,95	28831905.72	31388572.21
30 Hospital equipments	1468382.56	1811839.00	0.00	3280221.56	451737.13	153705 75	0.00	605442.88	2674778.68	1016645.43
31 Laboratory and workshop equipments	0.00	0.00	0,00	0.00	00.0	0.00	00'0	0.00	00.0	00.0
32 Capital expenditure on assets not owned by the Company	000	0.00	0.00	00.0	0.00	0.00	0.00	0.00	0.00	000
33 Assets of Government	0.00	0.00	0.00	0.00	00.0	0.00	0.00	00'0	00.0	0.00

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Note forming part of Balance Sheet Note 2 : Property, Plant And Equipment Business Area :1028

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31.03.2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
34 Less:Grants from Government	00.0	0.00	00'0	0.00	0.00	0.00	0.00	00.0	0.00	00.0
35 Less: Recoverable from GOI	0.00	0.00	0.00	0.00	0.00	0.00	00'0	00.00	0.00	00'0
36 Assets for ash utilisation	1599315.00	0.00	0.00	1599315.00	0.00	00'0	00'0	00.00	1599315.00	1599315,00
37 (Less):-Adjusted from fly ash utilisation reserve fund	1599315.00	0.00	0.00	1699315.00	0:00	0.00	00'0	00.00	1599315.00	1599315.00
38 Site Restoration Cost	0.00	0.00	0.00	00'0	00'0	0.00	0.00	0.00	0.00	0.00
39 Mining Properties	0.00	00'0	0.00	00:0	0.00	0.00	00:0	000	000	00 0
Grand Total (Tangible)	105203524043.97	396529814.66		(95464962.49) 105504588898.1 20686994672.87	20686994672.87	5640249028.28	(6525040,24)	2632071866	79183870235.23	8451852937
Grand Total Prev Year (Tangible)	103101822318.62	988765642.98	1112936(105203524043.9	382.37 105203524043.9 15325092474.48		(113332050,67)	5475234249.06 (113332050,67) 20686994672.87	84516529371,10	87776729844,14

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Note forming part of Balance Sheet Note 2 : Property, Plant And Equipment Business Area :1028

Darticulare	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Laticulais	Gross Block	Block	Depreciation	Depreciation/Amortization
	Tangible As At: 31.03.2021	Tangible As At: 31.03.2020	31.03.2021 31.03.2020 31.03.2021	Tangible As At: 31.03.2020
Disposal of assets	(2564825.05)	(2516644.52)		(1780155.56)
Retirement of assets	(42025661.88)	(243276558.33	(4407761.11)	(111828070 931
Cost adjustments	(52693260.94)	1357474056.54		000
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00	0.00		00:00
Depreciation on construction equipment capitalised as EDC	0.00	0.00	0.00	0.00
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	00.0	00.0	0.00	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	0.00
Transfer in /out because of Inter Unit transfers	1818785.38	1255228.68	4191	276175.82
Others	0.00	00:0		000
TOTAL	(95464962.49)	1112936082.37	(652504	(113332050 67)

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.);

0.00

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(Amount in Rupees)

Note forming part of Balance Sheet Note 3: Capital-Work-in-Progress Business Area: BARH THERMAL POWER PROJECT

S N	Asset Class	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
	-	2	6	4	147	ta:
-	CAPITAL WORK-IN-PROGRESS					
2	Development of land	1958425234.87		(5171237.00)		1053253001
60	Roads, bridges, culverts & helipads	2073281.94	3090681.65	(650205 65)	1836323.00	DB 7577434 QA
4	Piling and foundation	7126014060.34	339333921.00			7456947081 24
22	Buildings :					FC.1051FCC0F7
9	Main plant	2463225351.12	199381278.17			DC DCSSNBCSBC
7	Others	4316728919.89	1060130963.86	4644040 89	115656271 03	4084847853 E4
80	Temporary erection	39106303.82	12182216.53	(7799179		6404060000
6	Water supply, drainage and sewerage system	4594762.92	1710176.08			830,000,000
10	Hydraulic works, barrages, dams, tunnels and power channel					70.000
11	MGR track and signalling system					
12	Railway siding					
13	Earth dam reservoir					
14	Plant and equipment	143918715138.15	10212749512.66	(58672321.55)	19226735.00	154053555500
15	Furniture and fixtures	8010737.34	17174175.61		6094118.00	10000704 00
16	Vehicles					OC LE PROPER
17	Office equipment		127084.12			497084 +9
18	EDP/WP machines & satcom equipment.	1294937.25		(1294937.251		1200023
19	Construction equipments					
20	Electrical installations					
21	Communication equipment					
22	Hospital equipments					
23	Laboratory and workshop equipments					
24	Assets under 5Km Scheme of the GOI					
25	Capital expenditure on assets not owned by the company					
26	Expenditure towards development of coal mines					
27	Survey, Investigation, Consultancy & Supervision Cha	40140508.89				40140508.89
28	Difference in exchange on foreign currency loans	10854341890,50		(472683445.87)		10381658444 63

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Note forming part of Balance Sheet Note 3: Capital-Work-in-Progress Business Area: BARH THERMAL POWER PROJECT

SI No	Asset Class.	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
	1	2	3	7	9	9
59	Expenditure towards diversion of forest land					
30	Pre-commissioning expenses (net)	284195481.51	898064696.01			1182260177 52
31	ExpPendAlloca-oth ex attribut Project	55104022.00				55104022.00
32	Expenditure During Construction Period (net)*		8291149769.60	99081632.90		8390231402 50
33	LESS: Allocated to related works		8390231402.50			8390231402 50
34	LESS: Provision for Unservicable works	101849044.86				101849044 86
32	Construction stores (At Cost)					
36	Steel	412013417,60	18267298.64	(60719810.79)		369560905.45
37	Cement	29613735.69	46464700.00	(42484611.02)		33593824.67
38	Others	1374818502.98	1244066046.35	(197470382.47)		2421414168.86
38	Sub-total	1816445656.27	1308798044.99	(300674804.28)		2824568896.98
40	LESS: Provision for shortages	92109780.00		(5386188.00)		86723592 00
41	Sub-total	1724335876.27	1308798044.99	(295288616.28)		2737845304 98
42	Total CWIP	172694457461.95	13953661117.78	(730113081.10)	142813447.03	185775192051 60
43						
44						
45	PREVIOUS YEAR TOTAL	157422392430.14	18034484009.79	(2346947173.72)	819730163.80	172594457461 95

0.00

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.):

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Note forming part of Balance Sheet Note-4 Non Current Assets- Intangible Assets Business Area :1028

Asset Class	Opening Gross Block As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Gross Block As At 31,03,2021	Opening Depreciation As At 01.04.2020	Additions	Deductions/ Adjustments	Closing Depreciation As At 31.03.2021	Net Block As At 31.03.2021	Net Block As At 31.03.2020
INTANGIBLE ASSETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.0	000	000
1 Right to Use-Land	00.0	0.00	0.00	0.00	0000	0.00	0.00		000	000
2 -Others	00.00	0,00	00.0	00:00	00.0	000	000	000	000	000
3 -Software	1016303.64	79501.75	00.0	1095805.39	101630	15458.67	00.0	103176	84043 08	000
Grand Total (Intangible)	1016303.64	79501.75	00:0	1095805.39	1016303.64	15458.67	0.00		64043 08	000
Srand Total Prev Year Intangible)	1016303.64	00'0	0.00	1016303.64	1016303,64	0.00	0.00	100	0.00	0.00



Note forming part of Balance Sheet Note-4 Non Current Assets- Intangible Assets Business Area :1028

(Amount in Rupees)

Particulars	Gross Block Depreciation	Block	Denreciation	Depreciation/Amortization
	InTangible As At: 31.03.2021	InTangible As At: 31.03.2020	InTangible As	InTangible As At:
Disposal of assets	0.00	00.0		
Retirement of assets	00:00			
Cost adjustments	00.0			
Assets capitalised with retrospective effect / Write back of excess capitalisation	0.00			
Depreciation on construction equipment capitalised as EDC	00.00	0.00	0.00	00'0
Prior Period Depreciation due to Assets capitalised with retrospective effect / Write back of excess capitalisation	00.0	00:0	00:0	0.00
Special Depreciation (As per New Policy)	0.00	0.00	0.00	00.0
Transfer in /out because of Inter Unit transfers	0.00	00:0		00.0
Others	0.00	0.00		000
TOTAL	0.00	0.00		000

0.00

Note:- Additions during the year includes capital expenditure towards CSR (in Rs.) :



Note forming part of Balance Sheet
Note 5: Intangible Assets under Development
Business Area: BARH THERMAL POWER PROJECT

SI No	Asset Class	As At 01.04.2020	Addition	Deduction/ Adjustment	Capitalized	As At 31.03.2021
	1	2	m	4	ie	ď
	INTANGIBLE ASSETS UNDER DEVELOPMENT					
2	Software					
es	Right to use Others					
4	Exploration and Evaluation Expentiture - Coal Mini					
40	Exploratory wells-in-progress					
9	Less: Provision for exploratory wells-in-progress					
1	Total					
00	PREVIOUS YEAR TOTAL-I					

0.00

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Note:- Additions during the year includes capital expenditure towards CSR (in Rs.):



NO	TE NO. 6 TO THE FS-NCA-INVES	TMENTS IN SU	BSIDIARIES & JOINT	VENTURES	A Maharatna Company (Amount in ₹)
	As at	No. of shares	Face value	31.03.2021	31.03.2020
001	NON CURRENT INVESTMENTS- Investments in subsidiaries and joint ventures			0.00	0.00
012	(5.7.1) (7.7.7.1) (7.1.1) (4.1.1.1)			0.00	0.00
013	Subsidiary Companies			0.00	0.00
014	Patratu Vidyut Utpadan Nigam Ltd.			0.00	0.00
015	NTPC Electric Supply Company Ltd.			0.00	0.00
016	NTPC Vidyut Vyapar Nigam Ltd.			0.00	0.00
017	Nabinagar Power Generating Company Ltd.			0.00	0,00
018	Kanti Bijlee Utpadan Nigam Ltd.			0.00	0.00
019	Bhartiya Rail Bijlee Company Ltd.			0.00	0.00
020	NTPC Mining Ltd (NML)			0.00	0.00
021	THDC India Ltd.			0.00	0.00
022	NEEPCO LTD.			0.00	0.00
023	NTPC EDMC Waste Solutions Pvt Ltd			0.00	0.00
024	NTPC Renewables Energy Ltd			0.00	0.00
025	Ratnagiri Gas & Power Pvt. Limited (RGPPL)			0.00	0.00
026				0.00	0.00
027				0.00	0.00
028				0.00	0.00
029				0.00	0.00
)30	Sub Total			0.00	0.00
055	Joint Venture Companies			0.00	0.00
56	Utility Powertech Ltd.			0.00	0.00
57	NTPC GE Power Services Pvt.Ltd.			0.00	0.00
58	NTPC-SAIL Power Company Ltd.			0.00	0.00
59	NTPC-Tamil Nadu Energy Company Ltd.			0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 6 TO THE FS-NCA-INVESTMENTS IN SUBSIDIARIES & JOINT VENTURES (Amount in ₹) As at No. of shares Face value 31.03.2021 31.03.2020 060 Ratnagiri Gas & Power Pvt. Limited 0.00 0.00 (RGPPL) 061 Aravali Power Company Private 0.00 0.00 062 0.00 0.00 063 NTPC BHEL Power Projects 0.00 0.00 Private Ltd. 064 Meja Urja Nigam Private Limited 0.00 0.00 065 BF-NTPC Energy Systems Ltd. 0.00 0.00 066 0.00 0.00 067 Nabinagar Power Generating 0.00 0.00 Company Ltd. 068 Transformer and Electrical Kerala 0.00 0.00 069 National High Power Test 0.00 0.00 Labortory Private Ltd. 070 0.00 0.00 071 CIL NTPC Urja Private Ltd. 0.00 0.00 072 Anushakti Vidhyut Nigam Ltd. 0.00 0.00 Energy Efficiency Services Ltd. 073 0.00 0.00 074 0.00 0.00 075 Trincomalee Power Company Ltd. 0.00 0.00 Bangladesh-India Friendship 0.00 0.00 Power Company (Pvt.) Ltd. Hindustan Urvarak & Rasayan 077 0.00 0.00 Limited 078 Konkan LNG Ltd 0.00 0.00 079 0.00 0.00 Sub Total 081 0.00 0.00 109 Aggregate amount of impairment in 0.00 0.00 the value of investments 110 Total (net of impairment) of JV 0.00 0.00 111 Gross Total of Investments 0.00 0.00 134 Total 0.00 0.00

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Details of Investments

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A Maharatna Company

OTI	NO. 6 TO THE FS-NCA-INVE	STMENTS IN SUI	BSIDIARIES & JOINT	VENTURES	(Amount in ₹)
	As at	No. of shares	Face value	31.03.2021	31.03.2020
1	Aggregate amount of Unquoted Investments			0.00	0.00
				0.00	0.00
				0.00	0.00
				0.00	0.00
			11	0.00	0.00
				0.00	0.00
	Valuation of Investments as per Note 1.			0.00	0.00
				0.00	0.00
				0.00	0.00
				0.00	0.00



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	E NO. 7 TO THE FS-NCA-INVES		2295000000000000		(Amount in ₹)
	As at	No. of shares	Face value	31.03.2021	31.03.2020
001	Non-current financial assets (investments)			0.00	0.00
006	Long Term - Trade			0.00	0.00
007	Equity Instruments (fully paid up-unless otherwise stated)			0.00	0.00
800	Quoted			0.00	0.00
009	Joint Venture Companies			0.00	0.00
110	PTC India Ltd.			0.00	0.00
70	International Coal Ventures Private Ltd.			0.00	0.00
75	BF-NTPC Energy Systems Ltd.			0.00	0.00
98				0.00	0.00
10	Cooperative Societies			0.00	0.00
11	Sub Total			0.00	0.00
12	Aggregate amount of impairment in the value of investments			0,00	0.00
15	Total	· ·		0.00	0.00
20	·-			0.00	0.00
46	NTPC Employees Consumers and Thrift Co-operative Society Ltd. Korba			0.00	0.00
47	NTPC Employees Consumers and Thrift Cooperative Society Ltd. RSTPP			0.00	0.00
48	NTPC Employees Consumers Cooperative Society Ltd. Farakka			0.00	0.00
49	NTPC Employees Consumers Cooperative Society Ltd. Vindhyachal			0.00	0.00
50	NTPC Employees Consumers Cooperative Society Ltd. Anta			0.00	0.00
51	NTPC Employees Consumers Cooperative Society Ltd. Kawas			0.00	0.00
2	NTPC Employees Consumers Cooperative Society Ltd. Kaniha			0.00	0.00

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002 Unsecured, considered good

As at

003 Credit impaired

001

004

005

006 Total

A Maharatna Company

NOTE NO. 8 TO THE FS-NCA-TRADE RECEIVABLES

Non-current financial assets - Trade receivables

(Amount in ()
31.03.2020
0.00
0.00
0.00
0.00

0.00

0.00



31.03.2021

0.00

0.00

0.00

0.00

0.00

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NOTE NO. 9 TO THE FS-NCA-LOANS

(Amount in ₹)

078	The same of the sa	Western Strategy	(Amount in ()
120210	As at	31.03.2021	31.03.2020
001	Loans (Non Current)	0.00	0.00
004	(1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	0.00	0.00
005		0.00	0.00
006		0.00	0.00
007	The state of the first of the contract of the	0.00	0.00
800	Credit impaired	0.00	0.00
009	:=: U 0	0.00	0.00
010	Employees(including accrued interest)	0.00	0.00
011	Secured	88,826,614.86	65,262,467.66
012		52,850,462.76	50,972,318.15
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	Secured	22,890,525,75	16,324,246.82
017	Unsecured	7,628,133.65	9,917,031.49
018	Loan to State Government in settlement of dues from customers (Unsecured)	0.00	0.00
019	Others	0.00	0.00
020	Secured	0.00	0.00
021	Unsecured	0.00	0.00
022	With significant increase in Credit Risk	0.00	0.00
023	Credit impaired	0.00	0.00
024	Less: Allowance for credit impaired loans	0.00	0.00
025	Sub Total	111,158,418.22	89,993,507.50
026		0.00	0.00
027	Total	111,158,418.22	89,993,507.50
028		0.00	0.00
029		0.00	0.00
030	Due from Directors and Officers of the Company	0.00	0.00
031	Directors	0.00	0.00
032	Officers	0.00	0.00
033		0.00	0.00
034	Loans to related parties include:	0.00	0.00
035	i)Key management personel	0.00	0.00
036	ii)Subsidiary companies	0.00	0.00
037	iii)Joint Venture companies	0.00	0.00
038	iv)Others	0.00	0.00
039		0.00	0.00
054	Other loans represent loans given to	0.00	0.00
055	a) APIIC	0.00	0.00
060		0.00	0.00
061	RPD	0.00	0.00
062	i)Key management personel	0.00	0.00
063	ii)Subsidiary companies	0.00	0.00
064	iii)Joint Venture companies	0.00	0.00
065	iv)Others	0.00	0.00
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NOTE NO. 9 TO THE FS-NCA-LOANS

A Maharatna Company (Amount in ₹)

	As at	31 03 2021	31.03.2020
066	Total	0.00	0.00

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A Maharatna Company

	NO. 10 TO THE FS-NCA-OTHER FINANCIAL ASSETS		A Maharatna Company
	As at	31.03.2021	(Amount in ₹ 31.03.2020
	Other Financial Assets (non current)	0.00	0.00
02	(and a second	0.00	0.00
	Share application money pending allotment in (Subsidiary Companies) :	0.00	0.00
	NTPC Electric Supply Company Ltd.	0.00	0.00
	NTPC Vidyut Vyapar Nigam Ltd.	0.00	0.00
	Nabinagar Power Generating Company Ltd.	0.00	0.00
)7	Kanti Bijlee Utpadan Nigam Ltd.	0.00	0.00
180	Bhartiya Rail Bijlee Company Ltd.	0.00	0.00
	Patratu Vidyut Utpadan Nigam Ltd.	0.00	0.00
0	NTPC Mining Limited	0.00	0.00
1	THDC Ltd.	0.00	0.00
2	NEEPCO Ltd	0.00	0.00
3		0.00	0.00
4	Total	0.00	0.00
	Share application money pending allotment (Joint Venture)	0.00	0.00
6	Utility Powertech Ltd.	0.00	0.00
7	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
8 1	NTPC-SAIL Power Company Ltd.	0.00	0.00
9 1	NTPC-Tamil Nadu Energy Company Ltd.	0.00	0.00
0 1	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
1 /	Aravali Power Company Private Ltd.	0.00	0.00
2		0.00	0.00
3 1	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
4 1	Meja Urja Nigam Private Limited	0.00	0.00
5 F	BF-NTPC Energy Systems Ltd.	0.00	0.00
6 /	Anushakti Vidhyut Nigam Ltd.	0.00	0.00
7 1	Nabinagar Power Generating Company Ltd.	0.00	0.00
8 E	Energy Efficiency Services Ltd.	0.00	0.00
9 1	National High Power Test Labortory Private Ltd.	0.00	0.00
0		0.00	0.00
1 (CIL NTPC Urja Private Ltd.	0.00	0.00
2 7	Trincomalee Power Company Ltd.	0.00	0.00
3 F	Hindustan Urvarak & Rasayan Limited	0.00	0.00
	Bangladesh-India Friendship Power Company Private Ltd.	0.00	0.00
5 5	Sub Total	0.00	0.00
6	The Control of the State of the Control of the Cont	0.00	0.00
7 (Claims Recoverable	0.00	0.00
B F	Finance Lease Recoverable	0.00	0.00
9 1	Mine Closure Deposit	0.00	0.00
1 1	Total .	0.00	0.00

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NOTE NO. 11 TO THE FS-NCA-OTHER NON-CURRENT ASSETS

A manaratna Company (Amount in ₹)

•	L NO. 11 TO THE PS-NCA-OTHER NON-CORRENT AS:		(Amount in ?)
9	As at	31.03.2021	31.03.2020
1	Other Non-current Assets	0.00	0.00
2		0.00	0.00
3	CAPITAL ADVANCES	0.00	0.00
4	Secured	14,036,722.00	14,036,722.00
5	Unsecured	0.00	0.00
6	Covered by Bank Guarantee	903,690,175.10	869,653,239.19
7	Others	689,607,980.93	528,780,102,94
3	Considered doubtful	0.00	0.00
9	Less: Allowance for bad & doubtful advances	0.00	0.00
)	Sub-Total	1,607,334,878.03	1,412,470,064.13
1		0.00	0.00
2	Advances other than capital advances	0.00	0.00
3	Security deposits	0.00	0.00
,	Advances to Related parties	0.00	0.00
2	Advances to Contractors & Suppliers	0.00	0.00
3	Secured	0.00	0.00
1	Unsecured	6,646,519,362.00	6,646,519,362.00
5	Considered Doubtful	0.00	0.00
;	Less: Allowance for bad & doubtful advances	0.00	0.00
0	Sub Total	6,646,519,362.00	6,646,519,362.00
1	Receivable from MCP Escrow A/c	0.00	0.00
ì	Advance tax & tax deducted at source	1,197,901.57	303,767.00
i,	Less:- Provision for current tax	0.00	0.00
	And control to the control of the co	0.00	0.00
	Sub Total	1,197,901.57	303,767.00
Ċ.	Deferred Payroll Expenses (Secured)	18,114,908.67	13,461,958.22
	Deferred Payroll Expenses (Unsecured)	5,467,470.67	7,548,103.57
	Sub Total	23,582,379.34	21,010,061.79
	Deferred Foreign Currency Fluctuation Asset	1,153,938,000.00	1,360,324,000.00
	Total	9,432,572,520.94	9,440,627,254.92
		0.00	0.00
		0.00	0.00
	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
		0.00	0.00
	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
		0.00	0.00
	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
	Aravali Power Company Private Ltd.	0.00	0.00
	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
	Meja Urja Nigam Private Limited	0.00	0.00
	Nabinagar Power Generating Company Ltd.	0.00	0.00
	National High Power Test Labortory Private Ltd.	0.00	0.00
	CIL NTPC Urja Private Ltd.	0.00	0.00
	karren o vertiberorioti etippi olevalitikkonya	0.00	0.00
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A Maharatna Company

NOT	E NO. 11 TO THE FS-NCA-OTHER NON-CURRE	NT ASSETS	(Amount in ₹)
	As at	31.03.2021	31.03.2020
077	Related Party (Adv)	0.00	0.00
078	Key Management personel	0.00	0.00
079	Subsidiary companies	0.00	0.00
080	Joint Venture companies	0.00	0.00
081	Contractors	0.00	0.00
082	Others	0.00	0.00
084		0.00	0.00
085	Total	0.00	0.00

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A Maharatna Company

NOT	E NO. 12 TO THE FS-CA-INVENTORIES		(Amount in ₹)
	As at	31.03.2021	31.03.2020
001	INVENTORIES	0.00	0.00
002		0.00	0.00
003	Coal	1,333,262,530.54	3,597,628,710.00
004	Fuel oil	67,187,841.99	149,714,069.47
005	Naphtha	0.00	0.00
006	Stores and spares	1,946,002,405.09	1,794,169,044.14
007	Chemicals & consumables	31,735,324.58	50,064,038.94
800	Loose tools	1,894,595.64	2,378,542.23
009	Steel Scrap	29,723,299.97	29,103,708.72
010	Others*	223,247,002.28	191,853,574.86
011	Sub Total	3,633,053,000.09	5,814,911,688.36
012	Less: Provision for shortages	189,858,860.00	24,271,520.00
013	Less: Provision for obsolete/ unservicable/dimunition in value of surplus inventory	0.00	0.00
014		0.00	0.00
015	Total	3,443,194,140.09	5,790,640,168.36
016	Inventories include material in transit	0.00	0.00
017	Coal	171,651,314.06	145,371,576.28
018	Fuel oil	0.00	151,527.51
019	Naphtha	0.00	0.00
020	Stores and spares	40,430,622.17	14,747,332.31
021	Chemicals & consumables	398,867.05	279,560.45
022	Loose tools	0.00	0.00
023	Others	6,273.24	6,273.24
024		0.00	0.00
025	Inventory items other than steel scrap have been valued considering Note 1.	0.00	0.00

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NOTE NO. 13 TO THE FS-CA-INVESTMENTS

(Amount in ₹)

	As at	No. of shares	Face value	31.03.2021	31.03.2020
001	CURRENT INVESTMENTS			0.00	0.00
002	(Valuation as per Note 1)			0.00	0.00
003				0.00	0.00
)33	Investment in Mutual Funds (Details as under)			0.00	0.00
34	SBI-Magnum Insta Cash Fund-DDR			0.00	0.00
35	SBI Premier Liquid Fund Super-IP-DDR			0.00	0.00
36	SBI-SHF Ultra Short Term Fund-IP-DDR			0.00	0.00
37	UTI Money Market- IP-Direct-Growth			0.00	0.00
38	IDBI-Liquid plan- Direct-Growth			0.00	0.00
39	Canara Robeco Liquid Fund Super-IP-DDR			0.00	0.00
)40	Canara Robeco Treasury Advantage Fund Super-IP-DDR			0.00	0.00
)41	IDBI Liquid Fund-DDR			0.00	0.00
)42	SBI Premier Liquid fund-Direct DDR (Ash Fund)			0.00	0.00
)43	UTI Liquid CashPlan - IP - DDR (Ash Funds)			0.00	0.00
)44	IDBI Liquid Fund - DDR - (Ash Funds)			0.00	0.00
)45	Baroda Liquid Fund - Direct - Growth			0.00	0.00
146	Sub Total			0.00	0.00
)47				0.00	0.00
52	Unquoted Investments			0.00	0.00
54				0.00	0.00
66	TOTAL			0.00	0.00
67				0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 14 TO THE FS-CA-TRADE RECEIVABLES

A Maharatna Company

NOI	E NO. 14 TO THE FS-CA-TRADE RECEIVABLES		(Amount in ₹)
	As at	31.03.2021	31.03.2020
001	TRADE RECEIVABLES (current)*	0.00	0.00
002		0.00	0.00
003	Secured, Considered Good	0.00	0.00
004	Unsecured, considered good	0.00	0.00
005	Credit impaired	0.00	0.00
006	Sub-Total	0.00	0.00
07	Total	0.00	0.00
800	Less: Allowance for credit impaired receivables	0.00	0.00
009	Total	0.00	0.00
10	Less: Discom Clearing	0.00	0.00
112	Grand Total	0.00	0.00
113	* After adjustment for Unbilled Revenue	0.00	0.00
114	Long-term trade receivables	0.00	0.00
115	TCS Clearing	0.00	0.00
16	Discom Clearing	0.00	0.00

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A Maharatna Company

NOT	E NO. 15 TO THE FS-CA-CASH AND CASH EQUIVALENT	rs	(Amount in ₹)
	As at	31.03.2021	31.03.2020
001	CASH & BANK BALANCES	0.00	0.00
002	Cash & Cash Equivalents	0.00	0.00
003	Balances with Banks	453,802,32	111,299.21
004	Cheques & Drafts on hand	0.00	0.00
005	Cash on hand	0.00	0.00
006	Others (stamps in hand)	30,583.00	39,503.00
007	Bank deposits with original maturity upto three months	0.00	0.00
800	Balances with RBI	0.00	0.00
009		0.00	0.00
010	Total	484,385.32	150,802.21

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A Maharatna Company

	TE NO. 16 TO THE FS-CA-BANK BALANCES OTHER THAN As at	31.03.2021	
001	Other Bank Balances	0.00	31.03.2020
002		0.00	0.00
003	Earmarked balances with banks*	0.00	0.00
004	SubTotal	0.00	0.00
005	Interest accrued on deposits	0.00	0.00
006	F000-15	0.00	0.00
007	Total	0.00	0.00
800		0.00	0.00
009	Earmarked balances with banks consist of :	0.00	0.00
010	Unpaid dividend account balance	0.00	0.00
011	Towards public deposit repayment reserve	0.00	0.00
012	Towards redemption of bonds due for repayment within one year	0.00	0.00
013	Security with Government/other authorities	0.00	0.00
014	Unpaid refund/interest account balance - Tax free bonds/ Bonus Debentures	0.00	0.00
015	Earmarked for RGGVY/DDUGJY/SAUBHAGYA Fund	0.00	0.00
016	Earmarked for Flyash Utilisation Reserve Fund	0.00	0.00
017	Deposits with original maturity upto three months as per court orders	0.00	0.00
018	Payment Security Scheme of MNRE NSM (NTPC)	0.00	0.00
019	Payment Security Scheme of MNRE NSM (NVVN)	0.00	0.00
020	Enforcement Directorate of Solar Plant(NVVN)	0.00	0.00
021	Bank guarantee Fund of MNRE (NVVN)	0.00	0.00
022	Others	0.00	0.00
023		0.00	0.00
024		0.00	0.00
025	CENT S	0.00	0.00
026	Sub-total	0.00	0.00
030	Total	0.00	0.00
031		0.00	0.00
)32	Bank deposits with original maturity of less than three months- other than earmarked	0.00	0.00
)33	Bank deposits with original maturity of more than three months but not more than twelve months- other than earmarked	0.00	0.00
034	Earmarked bank balances (current account)	0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 17 TO THE FS-CA-LOANS

(Amount in ₹)

NO	E NO. 17 TO THE FS-CA-LOANS		(Amount in ₹)
	As at	31.03.2021	31.03.2020
001	Current financial assets - Loans	0.00	0.00
002	Loans (current)-including interest accrued	0.00	0.00
004	Related Parties	0.00	0.00
005	Secured	0.00	0.00
006	Un-Secured	0.00	0.00
007	With significant increase in Credit Risk	0.00	0.00
800	Credit impaired	0.00	0.00
009	PROCESSES AND MARKING SAFE	0.00	0.00
010	Employees	0.00	0.00
011	Secured	16,888,640.33	15,366,552.35
012	Unsecured	44,424,254.36	39,905,769.31
013	With significant increase in Credit Risk	0.00	0.00
014	Credit impaired	0.00	0.00
015	Less : Employee Loans Discounting	0.00	0.00
016	Loan to State Government in settlement of	0.00	0.00
	dues from customers (Unsecured)		0.00
017		0.00	0.00
018	Others	0.00	0.00
019	Secured	0.00	0.00
020	Unsecured	0.00	0.00
021	With significant increase in Credit Risk	0.00	0.00
022	Credit impaired	0.00	0.00
023	7)	0.00	0.00
024	Less: Allowance for credit impaired loans	0.00	0.00
025	Total (Loans)	61,312,894.69	55,272,321.66
026		0.00	0.00
027	Due from Directors and Officers of the	0.00	0.00
	Company	151165	0.00
028	Directors	0.00	0.00
029	Officers	0.00	0.00
030		0.00	0.00
031	Loans to related parties include:	0.00	0.00
032	i)Key management personel	0.00	0.00
033	ii)Subsidiary companies	0.00	0.00
034	KBUNL	0.00	0.00
035	RGPPL	0.00	0.00
036	NVVN	0.00	0.00
037	iii)Joint Venture companies	0,00	0.00
038	iv)others	0.00	0.00
039		0.00	0.00
059	RPD	0.00	0.00
060	i)Key management personel	0.00	0.00
061	ii)Subsidiary companies	0.00	0.00
062	iii)Joint Venture companies	0.00	0.00
063	iv)Others	0.00	0.00
064		0.00	0.00
065	Total	0.00	0.00

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A Maharatna Company

	H THERMAL POWER PROJECT		A Maharatna Company
01	NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS	31.03.2021	(Amount in ₹ 31.03.202
	As at	0.00	31.03,202
)1	Other Financial Assets (current)	0.00	0.0
)2	ADVANCES	0.00	0.0
)3	ADVANCES	0.00	0.0
04	B TO THE BOOK		0.0
)5	Related Parties	0.00	0.0
06	Secured	0.00	-57,804,550.7
)7	Un-Secured	-6,154,227.16 0.00	-57,004,550.7
80	Considered doubtful	0.00	0.0
9	Finalities	0.00	0.0
10	Employees	4,727,676.64	4,507,233.0
12	Unsecured	0.00	4,307,233.0
13	Considered Doubtful	0.00	0.0
14	ALL COMP		0.0
20	Others	0.00	0.0
21	Secured	0.00	0.00
22	Unsecured	0.00	0.00
23	Considered Doubtful		0.0
24		0.00	0.00
25	Less: Allowance for bad & doubtful advances	0.00	. 500
26		0.00	-53,297,317.75
33	Total (Advances)	-1,426,550.52 0.00	0.00
14	Claire Beautable	0.00	0.00
15	Claims Recoverable	0.00	0.00
16	Secured	243,541,750.00	243,584,015.69
17	Unsecured, considered good	243,541,750.00	243,564,015.6
18	Considered Doubtful	0.00	0.00
19	Less:- Allowance for doubtful claims	0.00	0.00
50	Others-Claims Recoverable		0.00
1	11.50 15	0.00	0.00
52	Unbilled Revenue	42,709,567.09	0.00
3	Hedging cost recoverable from beneficiaries	0.00	0.00
54	Derivative MTM Asset		0.00
55	Finance Lease Receivable	0.00	
66	Mine Closure Deposit	0.00	0.00
57	Other Accrued Income	0.00	0.00
8	Secured,Considered Good	0.00	0.00
59	Unsecured , considered good	4,849,455.51	1,109,423.5
60	Credit impaired	0.00	0.00
31	Sub-Total	4,849,455.51	1,109,423.5
2	Less: Allowance for credit impaired receivables	0.00	0.00
3	Total	0.00	0.00
34		0.00	0.00
55	Others*	827,688.00	827,688.00
66	Total	290,501,910.08	192,223,809.49

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rent/electricity etc. Locked: 13.05.2021 - 12:55:51

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contractors and other parties towards hire charges,

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BARH THERMAL POWER PROJECT NOTE NO. 18 TO THE FS-CA-OTHER FINANCIAL ASSETS

A Maharatna Company

1999	As at	01.00.0001	(Amount in ₹)
068	- The state of the	31.03.2021	31.03.2020
069	Advances to related parties include:	0.00	0.00
070	i)Key management personel	0.00	0.00
	ii)Subsidiary companies	0.00	0.00
)71	iii)Joint Venture companies	0.00	0.00
72	iv)Contractors	0.00	0.00
)73	v)Others	0.00	0.00
74		0.00	0.00
)75	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
76		0.00	0.00
)77		0.00	0.00
)78	NTPC GE Power Services Pvt.Ltd.	0.00	0.00
)79	Ratnagiri Gas & Power Private Ltd.	0.00	0.00
080	Aravali Power Company Private Ltd.	0.00	0.00
81	NTPC-SCCL Global Ventures Private Ltd.	0.00	0.00
82	NTPC BHEL Power Projects Private Ltd.	0.00	0.00
83	Meja Urja Nigam Private Limited	0.00	0.00
84	Nabinagar Power Generating Company Ltd.	0.00	0.00
85	National High Power Test Labortory Private Ltd.	0.00	0.00
86	International Coal Ventures Private Ltd.	0.00	0.00
87	CIL NTPC Urja Private Ltd.	0.00	0.00
89	Bangladesh-India Friendship Power Co. Pvt.Ltd	0.00	0.00
90	TCS Clearing	0.00	0.00
91	Related Party (Adv)- Employee	0.00	0.00
92	Related Party (Adv)- Subsidiaries	0.00	0.00
93	Related Party (Adv)- Joint Ventures	0.00	0.00
94	Related Party (Adv)- Contractors	0.00	0.00
95	Related Party (Adv)- Others	-6,154,227.16	-57,804,550.75
96		0.00	0.00
97		0.00	0.00
98		0.00	0.00
99		0.00	0.00
00	Total	-6,154,227.16	-57,804,550.75

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A Maharatna Company

	E NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS	31,03,2021	(Amount in ₹) 31.03.2020
24	As at	THE PARTY OF THE P	
01	OTHER CURRENT ASSETS	0.00	0.00
02	Security Deposits (Unsecured)	0.00	0.00
03	Deposit with Customs, port trust & others*	154,764,613.00	154,764,613.00
)4	ADVANCES	0.00	0.00
)5	BLL IB C	0.00	0.00
)6	Related Parties	0.00	0.00
)7	Secured	0.00	0.00
8	Un-Secured	876,628,949.27	920,214,306.43
19	Considered doubtful	0.00	0.00
0	NOTE: 10 THE SECOND SEC	0.00	0.00
1	Employees(including imprest)	0.00	0.00
2	Secured	0.00	0.00
3	Unsecured	531,194.00	1,037,211.00
4	Considered Doubtful	0.00	0.00
5		0.00	0.00
6	Contractors & Suppliers	0.00	0.00
7	Secured	0.00	0.00
8	Unsecured	659,053,664.81	383,906,991.28
9	Considered Doubtful	0.00	0.00
0		0.00	0.00
1	Others**	0.00	0.00
2	Secured	0.00	0.00
3	Unsecured	5,752,343.00	4,354,419.00
4	Considered Doubtful	0.00	0.00
5	Less: Allowance for bad & doubtful advances	0.00	0.00
6	Receivable from MCP Escrow A/c	0.00	0.00
7	Deferred Payroll Expenses (Secured)	2,307,486.00	1,921,841.39
8	Deferred Payroll Expenses (Unsecured)	3,256,301.09	3,159,177.72
9	Sub-total	5,563,787.09	5,081,019.11
0	Interest accrued on :	0.00	0.00
1	Advances to contractors	5,379,505.00	5,379,505.00
2		0.00	0.00
3	Claims Recoverable	0.00	0.00
4	Secured	0.00	0.00
5	Unsecured, considered good	1,826,952,332.49	2,691,702,596.25
6	Considered Doubtful	35,046,000.00	35,046,000.00
7	Less:- Allowance for doubtful claims	35,046,000.00	35,046,000.00
8	Edde. FileHallos Id. Goddina diamid	0.00	0.00
9	Deferred premium on forward exchange contract/ Option Assets	0.00	0.00
1	Assets Held for Disposal	0.00	0.00
2	Others	1,335,940.38	1,593,371.94
3	Others	0.00	0.00
4	Total (Other Current Accets)		
	Total (Other Current Assets)	3,535,962,329.04	4,168,034,033.01
5	**Include Prepaid Expenses	5,752,343.00	4,354,419.00
6	*Includes sales tax/Entry tax/VAT deposited under	69,554,794.40	77,038,334.40

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protest with Sales Tax Authorities

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NOTE NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS

(Amount in ₹)

NUI	E NO. 19 TO THE FS-CA-OTHER CURRENT ASSETS		(Amount in <
	As at	31.03.2021	31.03.2020
047	*Includes deposited with courts	0.00	0.00
048	*Includes deposited with LIC for annuity payments	0.00	0.00
049	* Includes deposits with WRD / against BG in r/o finance lease	0.00	0.00
050	Other include amount recoverable from contractors and other parties towards hire charges, rent/electricity etc.	0.00	0.00
052	Advances to related parties include:	0.00	0.00
053	i)Key management personel	0.00	0.00
054	ii)Subsidiary companies	0.00	0.00
055	iii)Joint Venture companies	0.00	0.00
056	Contractors	0.00	0.00
)57	Others	0.00	0.00
058		0.00	0.00
)59	Advances include amount due from the following Private Companies in which Directors of the Company are also Directors in such Companies	0.00	0.00
060		0.00	0.00
061		0.00	0.00
062	Related Party (Adv)- Employee	0.00	0.00
063	Related Party (Adv)- Subsidiaries	0.00	0.00
064	Related Party (Adv)- Joint Venture	0.00	0.00
65	Related Party (Adv)- Contractors	876,628,949.27	920,214,306.43
66	Related Party (Adv)- Others	0.00	0.00
67	Total	876,628,949.27	920,214,306.43
68		0.00	0.00

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A Maharatna Compan

NOT	E NO. 20 TO THE FS-REGULATORY DEFERRAL A	ACCOUNT DEBIT BALANCES	(Amount in ₹)
	As at	31.03.2021	31.03.2020
001	On account of Exchange Differences	-1,090,804,162.64	-1,085,165,519.14
002	On account of employee benefit exp	128,798,366.00	128,798,366.00
003	Regulatory deferred account - deferred	0.00	0.00
004	Deferred asset for ash transportation	0.00	0.00
005	Deferred asset for Arbitration Award	0.00	0.00
006	Total	-962,005,796.64	-956,367,153.14

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A Maharatna Company

NOT	E NO. 21 TO THE FS-EQUITY-EQUITY SHARE CAPITAL		(Amount in ₹)
	As at	31.03.2021	31.03.2020
001	SHARE CAPITAL	0.00	0.00
002	Equity Share Capital	0.00	0.00
003	Authorised	0.00	0.00
004	10,000,000,000 equity shares of Rs.10/- each (Previous year 10,000,000,000 eq shares of Rs.10/- each)	0.00	0.00
005	Issued,Subscribed and fully Paid-up	0.00	0.00
006	9,69,66,66,134 equity shares of Rs.10/- (Pv. Year 9,894,557,280 equity shares of Rs.10/- each)	0.00	0.00
007	to an a sate of the sate of th	0.00	0.00
800	Total	0.00	0.00
009	During FY 2018-19, the company has issued 1,649,092,880 equity shares of Rs.10/- each as fully paid bonus shares	0.00	0.00
010	The holders of the equity shares are entitled to receive dividends as declared from time to time, and are entitled to one vote per share at meetings of the company.	0.00	0.00
011	Details of shareholders holding more than 5% shares in the company	0.00	0.00
012	- President of India	0.00	0.00
013	No. of Shares	0.00	0.00
014	% of halding	0.00	0.00
015	- Life Insurance Corporation of India/ICICI Prudential Mutual Fund	0.00	0.00
016	No. of Shares	0.00	0.00
017	% of holding	0.00	0.00

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NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY

(Amount in ₹)

110	NO. 22 TO THE PO-EQUITY-OTHER EQUITY		(Amount in ₹
	As at	31.03.2021	31.03.202
001	RESERVE AND SURPLUS	0.00	0.0
002		0.00	0.0
003	TO THE COUNTY OF	0.00	0.0
004		0.00	0.0
006	[2] [2] [2] [2] [2] [2] [2] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	0.00	0.00
007		0.00	0.00
800	Less: Write back during the year/period	0.00	0.00
009	2	0.00	0.00
010	Sub-Total	0.00	0.00
011	Securities Premium Account	0.00	0.00
012	As per last financial statements	0.00	0.00
013	Add: Additions during the year/period	0.00	0.00
014	Less: Adjustments during the year/period	0.00	0.00
015	Sub-Total	0.00	0.00
016	Bonds Redemption Reserve	0.00	0.00
017	As per last financial statements	0.00	0.00
018	Add: Transfer from Surplus	0.00	0.00
019	Less: Transfer to surplus on redemption	0.00	0.00
020	Less: Adjustments during the year/ period	0.00	0.00
021	Sub-Total	0.00	0.00
022	Capital Redemption Reserve	0.00	0.00
023	As per last financial statements	0.00	0.00
024	Add: Transfer from Surplus	0.00	0.00
025	Less: Transfer to surplus on redemption	0.00	0.00
026	Less: Adjustments during the year/ period	0.00	0.00
)27	Sub-Total	0.00	0.00
028	Share Application money Allotment	0.00	0.00
29	As per last financial statements	0.00	0.00
30	Add: Addition during the year	0.00	0.00
31	Less: Utilised for allotment during the year	0.00	0.00
132	Less: Adjustments during the year/ period	0.00	0.00
033	Sub-Total	0.00	0.00
)34	Fly-ash utilisation reserve Fund	0.00	0.00
)35	As per last financial statements	57,790,621.89	28,039,078.00
)36	Transferred to CC	0.00	0.00
)37	Add:Transfer from revenue from operations	34,416,548.98	29,751,543.89
38	Add:Transfer from other income	0.00	0.00
39	Less: Utilised during the year	0.00	0.00
40	Tangible assets	0.00	0.00
41	Employee benefit expenses	0.00	0.00
42	Generation, admn. and other expenses	0.00	0.00
43	Tax Expenses	0.00	0.00
44	Sub-Total	92,207,170.87	57,790,621.89
45	Special allowance Reserve Fund	0.00	0.00
46	As per last financial statements	0.00	0.00
47	Add: Addition during the year		
		Vitend	المحاسط
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BARH THERMAL POWER PROJECT NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY

(Amount in ₹) 31.03.2021 31.03.2020 048 Less: Utilised for allotment during the year 0.00 0.00 049 Less: Adjustments during the year/ period 0.00 0.00 SUB-TOTAL 050 0.00 Corporate social responsibility (CSR) reserve 0.00 053 0.00 0.00 054 As per last financial statements 0.00 0.00 Add: Transfer from surplus 055 0.00 0.00 Less:-Write back during the year 056 0.00 0:00 057 Sub-Total 0.00 0.00 058 General Reserve 0.00 0.00 059 As per last financial statements 0.00 0.00 060 Add: Transfer from Surplus 0.00 0.00 061 Less: Transfer to Surplus 0.00 0.00 062 Less: Write back during the year /period 0.00 063 Less: Adjustments during the year /period 0.00 0.00 064 0.00 Sub-Total 0.00 065 0.00 0.00 0.00 066 Retained earnings 0.00 0.00 067 As per last financial statements 12,571,450,853,51 9,700,134,275.15 Add(Less):-Changes in accounting policy / prior 068 0.00 period errors 0.00 Add(Less):-Profit (Loss) after tax for the year from 069 3,976,419,095.76 Statement of Profit & Loss 2,871,316,578.36 070 0.00 Add: Write back from Bond Redemption Reserve 0.00 071 0.00 0.00 Add: Write back from Capital Reserve 072 0.00 Add: Write back from Foreign Project Reserve 0.00 073 0.00 0.00 074 Add: Write back from CSR Reserve 0.00 0.00 075 Add: Write back from General Reserve 0.00 0.00 076 Less: Transfer to Bonds Redemption Reserve 0.00 0.00 Less: Transfer to Special Allowance Reserve Fund 077 0.00 0.00 078 Less: Transfer to Foreign Project Reserve 0.00 0.00 080 Less:Transfer to Capital Reserve 0.00 0.00 081 Less:Transfer to CSR Reserve 0.00 0.00 082 Less:Transfer to General Reserve 0.00 083 Less:Interim Dividend Paid 0.00 0.00 0.00 Less:Tax on Interim Dividend Paid 084 0.00 0.00 085 Less:Final Dividend Paid 0.00 0.00 086 Less:Tax on Final Dividend Paid 0.00 0.00 Less: Issue of bonus debenture 087 0.00 Less: Tax on issue of bonus debenture 0.00 088 0.00 089 Sub-Total 0.00 16,547,869,949,27 12,571,450,853.51 090 0.00 0.00 091 Remeasurement of defined benefit plans 0.00 0.00 092 As per last financial statements -82,923,715.77 -52,712,899.99 Add/(Less):- Actuarial Gains/loss through OCI 093 -14,716,099.33 -30,210,815.78 094 Sub-Total -97,639,815.10 -82,923,715.77 095 0.00

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BARH THERMAL POWER PROJECT NOTE NO. 22 TO THE FS-EQUITY-OTHER EQUITY

1101	L NO. 22 TO THE FS-EQUITY-OTHER EQUITY		A Maharatna Company
	As at		(Amount in ₹)
096	FVTOCI Reserve	31.03.2021	31.03.2020
097	As per last financial statements	0.00	0.00
098	Add(Less):-Net gain/loss of equity instruments through OCI	0.00	0.00
099	Sub-Total		0.00
100		0.00	0.00
101	Total Other equity	0.00	0.00
102		16,542,437,305.04	12,546,317,759.63
		0.00	0.00

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BARH THERMAL POWER PROJECT	
NOTE NO. 23 TO THE FS-NCI -BORROWING	

	As at	2012202200	(Amount in ₹)
00	LONG TERM BORROWINGS	31.03.2021	31.03.2020
00		0.00	0.00
00	3 Secured	0.00	0.00
00		0.00	0.00
	non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3A).	0.00	0.00
005	7.62 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2035 (Fifty Sixth Issue - Public Issue - Series 3 B).	0.00	0.00
006	8.61% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2034 (Fifty First Issue C - Private Placement)	0.00	0.00
007	8.66% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftleth Issue - Public Issue - Series 3A)	0.00	0.00
800	8.91% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2033 (Fiftieth Issue - Public Issue - Series 3B)	0.00	0.00
009	7.37% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 14th December 2031 (Sixty Sixth Issue - Private Placement)	0.00	0.00
	7.49% Secured non-cumulative non-convertible redeemable taxable bonds of Rs. 10,00,000/- each redeemable at par in full on 7th November 2031 (Sixty Fourth Issue - Private Placement)	0.00	0.00
011	7.28 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October	0.00	0.00
, 9	2030 (Fifty Sixth Issue - Public Issue - Series		Ñ.

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BARH THERMAL POWER PROJECT	
NOTE NO. 23 TO THE FS-NCL-BORROWING	c

NO	TE NO. 23 TO THE FS-NCL-BORROWINGS		A Maharatna Company
	As at	24 00 000	(Amount in ₹
	2A)	31.03.2021	31.03.202
012	7.53 % Tax free secured non-cumulative non-convertible redeemable bonds-2015 of Rs. 1,000/- each redeemable at par in full on 5th October 2030 (Fifty Sixth Issue - Public Issue - Series 2 B).	0.00	0.00
013	7.32% Secured non-cumulative non-convertible redeemable taxable bonds of	0.00	0.00
014	Rs 10,00,000/- each redeemable at par in full on 17 July 2029 (Sixty Ninth Issue - Private Placement) 8.63% Tax free secured non-cumulative non-convertible redeemable bonds of ₹ 10,00,000/- each redeemable at par in full on 4th March 2029 (Fifty First Issue B - Private Placement)	0.00	0.00
	8.30% Secured non-cumulative non-convertible redeemable taxable bonds of Rs 10,00,000/- each redeemable at par in full on 15 January 2029 (Sixty Seventh Issue -	0.00	0.00
016 i	Private Placement) 8.48% Tax free secured non-cumulative non-convertible redeemable bonds - 2013 of ₹ 1000/- each redeemable at par in full on 16th December 2028 (iftieth Issue - Public Issue - Series 2A)	0.00	0.00
2 ft	0.73% Tax free secured non-cumulative ion-convertible redeemable bonds - 013 of ₹ 1000/- each redeemable at par in all on 16th December 2028 (iftieth Issue - Public Issue - Series 2B)	0.00	0.00
R: fu	on-convertible redeemable taxable bonds	0.00	0.00
19 7 no of	58% Secured non-cumulative	0.00	0.00
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BARH THERMAL POWER PROJECT	
NOTE NO. 23 TO THE ES-NCI -BORROWINGS	

	As at		0.202.0.202.0.202.0.0.0.0.0.0.0.0.0.0.0	(Amount in ₹
	full on 23rd August 20	26	31.03.2021	31.03.2020
	(Sixty Second Issue - F	rivate Placement)		
020	non-convertible redee	non-cumulative mable taxable bonds redeemable at par in ixtieth int)	0.00	0.00
021	8.19% Secured non-convertible redee of Rs. 10,00,000/- each full on 15th December (Fifty Seventh Issue - P.	redeemable at par in 2025	0.00	0.00
022	7.11 % Tax free seconon-convertible redeem bonds-2015 of Rs. 1,00 at par in full on 5th Octo 2025 (Fifty Sixth Issue 1A).	able 10/- each redeemable ober	0.00	0.00
	7.36 % Tax free sec non-convertible redeem bonds-2015 of Rs. 1,00 at par in full on 5th Octo 2025 (Fifty Sixth Issue - 1 B).	able 0/- each redeemable ber	0.00	0.00
	7.15% Tax free secu non-convertible redeem 2015 of Rs. 10,00,000/- par in full on 21st Augus 2025 (Fifty Fifth Issue - F	able bonds - each redeemable at t	0.00	0.00
1	9.17% Secured non-convertible redeemable taxable bor each redeemable at par in full 2024	on 22nd September	0.00	0,00
26 9 0 ₹	9.34% Secured non-convertible redeement of 10,00,000/- each redee on 24th March 2024 (Fifty second Issue - private place	non-cumulative able taxable bonds mable at par in full	0.00	0.00
n	.19% Tax free secur on-convertible redeema 013 of ₹ 10,00,000/- e	ole bonds -	0.00	0.00

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BARH THERMAL POWER PROJECT
NOTE NO. 23 TO THE ES NO. PORROWING

	As at		1 22 12 2 12 2 13 13 1	(Amount in ₹)	
	alminos .	ull on 4th Marc	h 2024	31.03.2021	31.03.2020
	(Fifty Fi	rst Issue A - Pr	vate Placement)		
02	non-cor 2013 of full on 1	ivertible redee ₹ 1000/- each 6th December	redeemable at par in	0.00	0.00
029	2013 of full on 1	vertible redeer ₹ 1000/- each 6th December	redeemable at par in	0.00	0.00
030	non-control of ₹10,00,0 transfera principal the end of annual is of 15th y comment on 4th M	00/- each with able redeemabl parts (STRPP) of 11th year an installments the ear respective	redeemable at par at d in ereafter upto the end y May 2023 and ending	0.00	0.00
031	non-nonv of ₹ 10,00,0 on 1st Ma	00/- each rede	non-cumulative nable taxable bonds emable at par in full vate placement)I	0.00	0.00
032	of ₹10,00,00 on 4th Ap		non-cumulative able taxable bonds mable at par in full	0.00	0.00
033	8.49% non-convergated paid-up be redeemable annual instruction annual instruction and instruct	Secured ertible redeema onus debenture le at par in thre tallments of 8th year and 10th year and 2024 a ch 2025 respeus Debentures	non-cumulative sible taxable fully es of Rs. 12.50 each ee s. 2.50, Rs. 5.00 and eyear on 25th March and ctively (Fifty Fourth	0.00	0.00
034	8.73%	Secured	non-cumulative	0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 23 TO THE FS-NCL-BORROWINGS

N	OTE NO. 23 TO THE FS-NCL-BORROWINGS		A Maharatna Company
	As at	34 00 0004	(Amount in ₹)
	non-convertible redeemable taxable bonds	31.03.2021	31.03.2020
	OI :		
	₹ 10,00,000/- each redeemable at par in full		
	on 07th March 2023 (Forty		
	eighth issue - private placement)		
03	5 0 000		
	5 9.00% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00
	Ol .		0.00
	₹ 10,00,000/- each with five equal separately		
	cronsterable redeemable		
	principal parts (STRPP) redeemable at par at the end of 11th year and in		
	annual installments thereafter upto the end		
	or ibui year respectively		
	commencing from 25th January 2022 and		
	chang on 25th January 2007 (Forty		
	second issue- private placement)III		
036	DON STIME		
	non-convertible redeemable taxable bonds	0.00	0.00
	01		
	₹10,00,000/- each redeemable at par in full on 4th October 2022		
	(Forty		
	seventh issue- private placement)VII		
037	7.93% Secured non-cumulative pop convertible		
	redeemable taxable bonds of ` 10 00 000/ on-b	0.00	0.00
	redeemable at par in full on 03 May 2022 (69th		1745
038	6 720/		
/00	6.72% Secured non-cumulative	0.00	323247
	non-convertible redeemable taxable bonds of	0.00	0.00
	Rs. 10,00,000/- each redeemable at par in		
	ren on 24th November 2021		
	(Sixty Fifth Issue - Private Placement)		
	8.10% Secured Non-Cumulative Non-		
	Convertible Redeemable Tayable Bonds	0.00	0.00
18	or Ks. 30,00,000/- each redeemable at not in		
7.75	direc equal separarely		
278	transferable redeemable principal parts (STRPP) at the end of 5th year,		
- 19	toth year & 15th year on 27th May 2021		
	-747 May 2020 and 27th May 2031		
1	espectively (Sixty First Issue- Private		
	220/		
	3.33% Secured non-cumulative	0.00	//2/2014/TI
0	on-convertible redeemable taxable bonds	******	0.00
R	s.10,00,000/- each redeemable at par in		
11	m on 24th repruary 2021		
ckod	13.05.2024 42.55.54	1.	

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BARH THERMAL POWER PROJECT	
NOTE NO. 23 TO THE ES-NCI -BORROWING	

	As at	124 220 230 0	(Amount in ₹)
	(Fifty Ninth Issue - Private Placement).	31.03.2021	31.03.2020
2788			
042	non-convertible redeemable taxable bonds	0.00	0.00
	of ₹ 10,00,000/- each redeemable at par in full		
	on 19th January 2021 Thirty seventh issue - private placement)III		
043	Decuied Hon-cumulative	0.00	12/22
	non-convertible redeemable taxable bonds of		0.00
	Rs.10,00,000/- each redeemable at par in full on 31st December 2020		
	(Fifty Eight Issue - Private Placement).		
044	8.73 % Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00
	of ₹ 10,00,000/- each redeemable at par in full on 31st March 2020		
	(Thirty third Issue- private placement)III		
045	Jecureu Bun-cumulanna	0.00	0.00
	non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in	0.505.50	0.00
	full on 9th March 2020 (Thirty first issue- private placement)III		
046	11.25% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in		0.50
	five equal annual installments commencing from 6th Nov 2019		
	and ending on 6th Nov 2023		
	(Twenty seventh issue - private placement)III		
)47	7.89% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds of		CONTRACT.
	₹ 10,00,000/- each redeemable at par in full on 5th May 2019		
	(Thirtieth issue - private placement)III		
	8.65% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds of		5.50
	₹10,00,000/- each redeemable at par in full on 4th February 2019		
	(Twenty ninth issue - private placement)III		
	7.50% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00
107	of ₹ 10,00,000/- each redeemable at par in full		
	total redeemable at par in full		

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BARH THERMAL POWER PROJECT	
NOTE NO. 23 TO THE FS-NCI -BORROWINGS	

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	As at	200703000	(Amount in ₹)
	on 12th January 2019	31.03.2021	31.03.2020
	(Nineteenth issue - private placement)II		
05	non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full	0.00	0.00
194	(Twenty eighth issue - private placement)		
05	9.3473% Secured non-cumulative non-convertible redeemable taxable bonds of ₹15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 20th July 2018 and ending on 20th July 2032 (Forty sixth issue - private placement)VII	0.00	0.00
052		0.00	0.00
053	8.00% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 10th April 2018 (Sixteenth issue -private placement)	0.00	0.00
	9.2573% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter	0.00	0.00
	upto the end of 20th year respectively commencing from 2nd March 2018 and ending on 2nd March 2032 (Forty third issue - private placement)	2 0	
	9.6713% Secured non-cumulative non-convertible redeemable taxable bonds	0.00	0.00
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BARH THERMAL POWER PROJECT NOTE NO. 23 TO THE FS-NCL-BORROWINGS

	As at	12 9 22 10 20 10	(Amount in ₹)
	of ₹ 15,00,000/- each with fifteen equal	31.03.2021	31.03.2020
	separately transferable		
	redeemable principal parts (STRPP)		
	redeemable at par at the end of 6th		
	year and in annual installments thereafter upto the end of 20th year		
	20120 1800 1800 1800 1800 1800 1800 1800		
	respectively commencing from 23rd December 2017 and ending on 23rd		
	December 2031 (Forty first issue - private		
	placement)III		
056	Decared Hon-cuminative	0.00	933
	non-convertible redeemable taxable bonds	0.00	0.00
	of ₹ 15,00,000/- each with fifteen equal		
	separately transferable redeemable principal parts (STRPP)		
	redeemable principal parts (STRPP) redeemable at par at the end of 6th		
	year and in annual installments thereafter		
	upto the end of 20th year		
	respectively commencing from 29th July		
	2017 and ending on 29th July		
	2031(Fourtieth issue-private placement)III		
057	Secored Hon-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds		0.00
	of ₹ 15,00,000/- each with fifteen equal separately transferable		
	redeemable principal parts (STRPP)		
	redeemable at par at the end of 6th		
	year and in annual installments thereafter		
	upto the end of 20th year		
	respectively commencing from 9th June 2017 and ending on 9th June		
	placement)III issue-private		
058	9.17% Secured non-cumulative		
	non-convertible redeemable taxable bonds	0.00	0.00
	of		
	₹ 15,00,000/- each with fifteen equal		
	separately transferable		
	redeemable principal parts (STRPP)		
	redeemable at par at the end of 6th year and in annual installments thereafter		
	upto the end of 20th year		
	respectively commencing from 22nd March		
	2017 and ending on 22nd March		
	2031(Thirty eighth issue-private		
050	placement)III		
059	8.8086% Secured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal		((2)22
	separately transferable		
	redeemable principal parts (STRPP)		
	redeemable at par at the end of 6th	Ň.	See
		N 10	19-4 - All .

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BARH THERMAL POWER PROJECT NOTE NO. 23 TO THE FS-NCL-BORROWINGS

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(Amount in ₹)

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	As at	PER LINEARING	(Amount in ₹)
	year and in annual installments thereafter upto the end of 20th year	31.03.2021	31.03.2020
	respectively commencing from 15th December 2016 and ending on 15th		
	December 2030 (Thirty sixth issue - private placement)III		
06	0 8.785% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year	0.00	0.00
	respectively commencing from 15th September 2016 and ending on 15th September 2030 (Thirty fifth issue - private placement)III		
061	non-convertible redeemable taxable bonds of	0.00	0.00
	₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP) redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year		
	respectively commencing from 10th June 2016 and ending on 10th June 2030 (Thirty fourth issue - private placement)III		
062	non-convertible redeemable taxable bonds of ₹ 15,00,000/- each with fifteen equal separately transferable redeemable principal parts (STRPP)	0.00	0.00
	redeemable at par at the end of 6th year and in annual installments thereafter upto the end of 20th year respectively commencing from 25th March 2016 and ending on 25th March		
	2030 (Thirty second issue - private placement)III		
063	9.37% Secured non-cumulative non-convertible redeemable taxable bonds of ₹ 70,00,000/- each with fourteen separately	0.00	0.00
	principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December		
	2018 (Twenty fifth issue -		oz Karasa



BARH THERMAL POWER PROJECT	
NOTE NO. 23 TO THE ES NO. BORDOW	

A Maharatna Company THE FS-NCL-BORROWINGS (Amount in ₹) 31.03.2021 private placement)III 31.03.2020 065 9.06% Secured non-cumulative 0.00 non-convertible redeemable taxable bonds 0.00 ₹ 70,00,000/- each with fourteen separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 4th June 2012 and ending on 4th December 2018 (Twenty sixth issue private placement)III 066 8.6077% Secured non-cumulative non-convertible redeemable taxable bonds 0.00 0.00 of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 9th September 2011 and ending on 9th March 2021 (Twenty fourth issue - private placement)IV 067 8.3796% Secured non-cumulative non-convertible redeemable taxable bonds 0.00 0.00 of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 5th August 2011 and ending on 5th February 2021 (Twenty third issue - private placement)IV 068 8.1771% Secured non-cumulative non-convertible redeemable taxable bonds 0.00 0.00 of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd July 2011 and ending on 2nd January 2021 (Twenty second issue - private placement)IV 069 7.7125% Secured non-cumulative non-convertible redeemable taxable bonds 0.00 0.00 of ₹ 20,00,000/- each with twenty equal separately transferable redeemable principal parts (STRPP) redeemable at par semi-annually commencing from 2nd August 2010 and ending on 2nd February 2020 (Twenty first issue - private placement)V

070 7.552% Secured non-cumulative non-convertible redeemable taxable bonds

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BARH THERMAL POWER PROJECT NOTE NO. 23 TO THE FS-NCL-BORROWINGS

As at

(Amount in ₹) 31.03.2021 31.03.2020

	Of 7 20 00 000/ oach with harm		
	of ₹ 20,00,000/- each with twenty equal		31.03.2020
	separately transferable redeemable principal parts (STRPP)		
	redeemable principal parts (STRPP) redeemable at par semi-annually		
	commencing from 23rd September 2009 and		
	ending on 23rd March 2019		
	(Twentieth issue - private placement)VI		
071	TIDII-CUITUMINI	0.00	19202620
	non-convertible taxable redeemable bonds of	0.00	0.00
	₹ 10,00,000/- each with ten equal separately transferable redeemable		
	principal parts (STRPP) redeemable at par at		
	the end of the 6th year and		
	in annual installments thereafter upto the		
	end of 15th year respectively from 30th April 2002 (Thirteenth Issue - Part		
	B - private placement)VIII		
072	non-cumulative	0.00	623676
	non-convertible taxable redeemable bonds of	0.00	0.00
	₹ 10,00,000/- each redeemable at par in ten		
	equal annual installments		
	commencing from the end of 6th year and upto the end of 15th year		
	respectively from 18th April 2002		
	(Thirteenth issue -Part A - private placement)VIII		
073			
074		0.00	0.00
		0.00	0.00
075		0.00	0.00
076		0.00	0.00
077	Sub Total .	0.00	0.00
078	Unsecured	0.00	0.00
079	6.55% Unsecured non-cumulative	0.00	0.00
	non-convertible redeemable taxable bonds		5.00
	of ₹ 10,00,000/- each redeemable at par in full on 17 April 2023		
	(Seventieth Issue - Private Placement)		
	6.29% Unsecured non-cumulative	NEWS	
	non-convertible redeemable taxable bonds	0.00	0.00
	of ₹ 10,00,000/- each redeemable at par in		
	full on 11 April 2031		
-	(Seventy First Issue - Private Placement)		
	5.45% Unsecured non-cumulative	0.00	0.00
1	non-convertible redeemable taxable bonds	2 T. J. W. W.	0.00
	of ₹ 10,00,000/- each redeemable at par in		
	full on 15 October 2025 (Seventy Second Issue - Private Placement)		
,	second issue - Private Placement)		

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BARH THERMAL POWER PROJECT NOTE NO. 23 TO THE FS-NCL-BORROWINGS

	TE NO. 23 TO THE FS-NCL-BORROWINGS As at		(Amount in ₹)
082	6 430/	31.03.2021	31.03.2020
002	6.43% Unsecured non-cumulative non-convertible redeemable taxable bonds of ₹ 10,00,000/- each redeemable at par in full on 27 January 2031 (Seventy Third Issue - Private Placement)	0.00	0.00
083			
084		0.00	0.00
085		0.00	0.00
086	Sub-total	0.00	0.00
087	Total	0.00	0.00
088	Foreign Currency Notes-Unsecured	0.00	0.00
089	4.50% Fixed Rate Notes Due for repayment on 19th March 2028	0.00 0.00	0.00
090	2.75% Fixed rate notes due for repayment on 1st February 2027	0.00	0.00
091	4.25 % Fixed rate notes due for repayment on 26th February 2026	0.00	0.00
092	4.375% Fixed Rate Note due for repayment on 26th November 2024	0.00	0.00
093	4.75 % Fixed Rate Notes due for repayment on 3rd Oct 2022	0.00	0.00
094	7.25 % Fixed green global INR denominated bonds due on 3 May 2022	0.00	0.00
095	7.375 % Fixed green global INR denominated bonds due on 10 August 2021	0.00	0.00
	5.625% Fixed Rate Notes due for repayment on 14th July 2021	0.00	0.00
	3.75 % Fixed rate notes due for repayment on 03 April 2024	0.00	0.00
098		0.00	222
99		0.00	0.00
00		0.00	0.00
01		0.00	0.00
	Sub Total	0.00	0.00
	Long term maturities of Finance Lease Obligations Secured) IX	0.00	0.00
	Long term maturities of Finance Lease Obligations Unsecured) X	0.00	0.00
	erm Loans	0.00	0.00
	rom Banks	0.00	0.00
	Secured	0.00	0.00
	Rupee Loans	0.00	0.00
	Insecured	0.00	0.00
	oreign Currency Loans	0.00	0.00
	tupee Loans rom Others	0.00	0.00
	ecured	0.00	0.00
930 ST	upee Loans	0.00	0.00
1000 100	where modify	0.00	0.00

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NOTE NO. 23 TO THE FS-NCL-BORROWINGS A Maharatna Company (Amount in ₹) 31.03.2021 Foreign Currency loans (guaranteed by GOI) 115 31.03.2020 0.00 116 Unsecured 0.00 0.00 Foreign Currency loans (guaranteed by GOI) 0.00 117 0.00 Other Foreign currency loans 0.00 118 0.00 Rupee Loans 0.00 119 0.00 120 0.00 Deposits 0.00 0.00 121 Unsecured 0.00 122 Fixed Deposits 0.00 0.00 123 Others 0.00 0.00 124 Unsecured 0.00 0.00 Bonds Application Money Pending Allotment 125 0.00 0.00 126 Sub-total 0.00 0.00 127 Total 0.00 0.00 128 0.00 0.00 Less:- Interst accrued but not due on borrowings 129 0.00 0.00 130 Less:- Current maturities of long term borrowings 0.00 0.00 131 0.00 Bonds-Secured 0.00 132 Fixed Rate Notes 0.00 0.00 133 Foreign currency loans from Banks- unsecured 0.00 0.00 134 Rupee loans from banks- Secured 0.00 0.00 135 Rupee loans from banks- unsecured 0.00 0.00 136 0.00 Rupee Term loan from Others - Secured 0.00 Foreign currency loans from others- unsecured 0.00 0.00 (Guaranteed by GOI) 0.00 138 Other foreign currency loans from others-0.00 unsecured 0.00 139 Rupee loans from others- unsecured 0.00 0.00 Finance Lease obligations - secured 0.00 141 Finance Lease obligations - unsecured 0.00 0.00 200 0.00 Total

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NOTE NO. 24 TO THE FS-NCL-TRADE PAYABLES

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of the second	Lucia paragraph		Progest &

12000	As at		(Amount in ₹)
001		31.03.2021	31.03.2020
002	TRADE PAYABLES(NON CURRENT)	0.00	0.00
003	For Goods and Services	0.00	0.00
	- Micro & Small Enterprises	0.00	0.00
004	- Others	0.00	0.00
006	Total	0.00	0.00
000		0.00	0.00

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NO	TE NO. 25 TO THE FS-NCL-OTHER FINANCIAL LIA	ABILITIES	A Maharatna Company
	As at		(Amount in ₹)
001	OTHER FINANCIAL LIABILITIES	31.03.2021	31.03.2020
	(NON-CURRENT)	0.00	0.00
002	Payable for Capital Expenditure		
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	103,086,821.79	88,382,028.26
005	Others	3,914,846,198.97	3,959,057,851,97
006	Deposits from contractors and others	0.00	0.00
007	The state of the s	-3,961.32	0.00
800		0.00	
009	Total	0.00	0.00
000	Total	4,017,929,059.44	0.00
		1,1,1000,1000,144	4,047,439,880.23

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NOT	E NO. 26 TO THE FS-NCL-PROVISIONS		A Maharatna Company
	As at	. AVI 44 (2012)	(Amount in ₹)
001	LONG TERM PROVISIONS	31.03.2021	31.03.2020
002		0.00	0.00
	Provision for Employee Benefits	0.00	0.00
003	Opening Balance	0.00	0.00
004	Additions/ (adjustments) during the year	0.00	
005	Closing Balance	0.00	0.00
013			0.00
014	TOTAL	0.00	0.00
		0.00	0.00

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110	TE NO. 27 TO THE FS-NCL-DEFERRED TA As at			A Maharatna Company (Amount in ₹)
		Open Balance on 01.04.2020	Addition	Closing Balance
001	DEFERRED TAX LIABILITIES (NET)			on 31.03.2021
002	Difference of book depreciation and tax depreciation	0.00	0.00	0.00
003	Less: Deferred tax assets			
004	Provisions & Other disallowances for tax purposes	0.00	0.00	0.00
005	Unabsorbed Depreciation	0.00	0.00	74722
006	Disallowances u/s 43B of the Income Tax Act, 1961	0.00	0.00	0.00
007		0.00		
800		0.00	0.00	0.00
009		0.00	0.00	0.00
010			0.00	0.00
011	MAT credit entitlement	0.00	0.00	0.00
012	- 1 M 3800	0.00	0.00	0.00
013	Total	0.00	0.00	0.00
014	(5 ± 3,544).	0.00	0.00	0.00
015	Total	0.00	0.00	0.00
016	Breakup of deferred tax assets	0.00	0.00	0.00
017	Provision	0.00	0.00	0.00
018	Statutory dues	0.00	0.00	0.00
019	Leave encashment	0.00	0.00	0.00
020	Others	0.00	0.00	0.00
021	AND WAS DEED.	0.00	0.00	0.00
)22		0.00	0.00	0.00
		0.00	0.00	0.00

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NOT	E NO. 28 TO THE FS-NCL-OTHER NON-CURI	A Maharatna Company	
	As at 31.03.2021		(Amount in ₹)
001	Other Non current Liabilities		31.03.2020
002	Advances from customers and others	0.00	0.00
003		0.00	0.00
004	Deposits from contractors and others	0.00	0.00
	TOTAL —	0.00	0.00
005		0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 29 TO THE FS-CL-BORROWINGS

	As at	> 10000	(Amount in ₹)
001	Short Term Borrowings	31.03.2021	31.03.2020
002		0.00	0.00
003		0.00	0.00
004	Secured	0.00	0.00
005	Cash Credit	0.00	0.00
006	Unsecured	0.00	0.00
007	Cash Credit	0.00	0.00
008	Other loans-unsecured	0.00	0.00
009	Commecial Papers	0.00	0.00
010	Less: Unamortised discount on Commercial	0.00	0.00
	Papers	0.00	0.00
011	Sub-Total -		119000 11
012	TOTAL	0.00	0.00
		0.00	0.00

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NOTE NO. 30 TO THE FS-CL-TRADE PAYABLES

A Maharatna Company

	As at		(Amount in ₹)
001	TRADE PAYABLES	31.03.2021	31.03.2020
002	For Goods and Services	0.00	0.00
003	- Micro & Small Enterprises	0.00	0.00
004	- Others	148,538,097.49	208,009,502.56
005	C TO THE COLUMN	2,368,138,483.99	3,680,121,636.99
006	Total		0.00
007		2,516,676,581.48	3,888,131,139.55
		0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIES A Maharatna Company As at (Amount in ₹) OTHER FINANCIAL LIABILITIES (CURRENT) 31.03.2021 001 31.03.2020 002 Current maturity of long term borrowings 0.00 0.00 0.00 003 Bonds-Secured 0.00 0.00 Foreign Currency Fixed Rate Notes 004 0.00 0.00 005 From Banks 0.00 0.00 006 Secured 0.00 0.00 007 Rupee Term Loan 0.00 0.00 800 Unsecured 0.00 0.00 009 Foreign currency loans 0.00 0.00 010 Rupee term loans 0.00 0.00 From Others 011 0.00 0.00 012 Secured 0.00 0.00 013 Rupee Term Loan 0.00 0.00 014 Unsecured 0.00 Foreign currency loans (Guaranteed by 0.00 015 0.00 Government of India) 0.00 0.00 016 Other foreign currency loans 0.00 017 Rupee term loans 0.00 0.00 018 Fixed deposits 0.00 0.00 019 Sub Total 0.00 Current maturity of finance lease obligations 0.00 020 0.00 0.00 (secured) 0.00 Current maturity of finance lease obligations 021 0.00 (unsecured) 0.00 interest accrued but not due on borrowings 022 0.00 023 Unpaid Dividends* 0.00 0.00 Unpaid matured deposits and interest accrued 024 0.00 0.00 thereon* 0.00 025 Unpaid matured bonds and interest accrued thereon' 0.00 0.00 Unpaid bond refund money-Tax free bonds * 026 0.00 Book Overdraft 027 0.00 0.00 028 Payable to Customers 0.00 0.00 Liability under forward exchange contact 029 0.00 Hedging cost payable to beneficiaries 0.00 030 0.00 0.00 031 Derivative MTM Liability 0.00 0.00 032 Payable for Capital Expenditure 0.00 0.00 - Micro & Small Enterprises 033 0.00 117,816,226,56 - Others 034 119,631,580.11 17,433,904,480.76 035 Others Payables 17,165,126,486.03 036 0.00 Deposits from contractors and others 0.00 70,539,246.87 037 **Gratuity Obligations** 39,624,236.88 038 Payable to employees 0.00 0.00 7,423,525.51 039 Payable to holding company 9,454,720.46 Retention on A/c BG encashment (Solar) 0.00 0.00 Payable to Solar Payment Security Account 0.00 041 0.00 0.00 042 Others ** 0.00 32,191,594.31

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29,253,647.00



NOT	E NO. 31 TO THE FS-CL-OTHER FINANCIAL LIABILITIE	S	A Maharaina Company
	As at		(Amount in ₹)
043	Unspent CSR balance on ongoing Approved CSR	31.03.2021	31.03.2020
	projects	0.00	0.00
044	Total		
045	* Represents the amounts which have not been	17,661,875,074.01	17,363,090,670.48
5117	claimed by the investor/holders of the bonds/fixed deposits. Out of the above, no amount is due for payment to Investor Education and Protection Fund.	0.00	0.00
046	** Include Payable to Hospital and other payable.	0.00	0.00

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BARH THERMAL	POWER	PROJECT
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NOI	E NO. 32 TO THE FS-CL-OTHER CURRENT LIABILITIES		(Amount in ₹)
001	As at	31.03.2021	31.03.2020
002	OTHER CURRENT LIABILITIES Advances from customers and others	0.00	0.00
003	Deferred discount on forward exchange contact	19,752,457.17	15,439,723.62
004	Tax deducted at source and other statutory dues	0.00	0.00
005	Others	63,719,442.19	109,189,362.37
006	Total	0.00	0.00
		83,471,899.36	124,629,085.99

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BARH THERMAL POWER PROJECT NOTE NO. 33 TO THE FS-CL-PROVISIONS

NO	TE NO. 33 TO THE FS-CL-PROVISIONS		A Maharatna Company
	As at	24.22.2024	(Amount in ₹
001	SHORT TERM PROVISIONS	31.03.2021	31.03.202
002	Provision for Employee Benefits	0.00	0.0
003	Opening balance	0.00	0.0
004	Additions/ (adjustments) during the year	0.00	0.0
005	Closing Balance —	0.00	0.0
028	Provisions for Obligations Incidental to Land Acquisition	0.00	0.0
029	Opening balance		
030	Additions during the year	776,387,421.79	785,538,239.84
031	Amounts paid during the year	0.00	0.00
032	Amounts reversed during the year	16,874,645.67	9,150,818.05
033	Closing Balance	0.00	0.00
035	Provision for Tariff Adjustment	759,512,776.12	776,387,421.79
036	Opening balance	0.00	0.00
037	Additions during the year	0.00	0.00
038	Amounts adjusted during the year	0.00	0.00
039	Amounts reversed during the year	0.00	0.00
040	Closing Balance	0.00	0.00
)42	Provision for shortage in Fixed Assets Pending	0.00	0.00
	Investigation & Others	0.00	0.00
43	Opening balance		
44	Additions during the year	0.00	0.00
	Amounts adjusted during the year	1,139,685.87	0.00
46	Amounts reversed during the year	0.00	0.00
47	Closing Balance	0.00	0.00
	Provision for Arbitration	1,139,685.87	0.00
47-2	Opening balance	0.00	0.00
	Additions during the year	461,094,823.00	461,094,823.00
51 /	Amounts used during the year	459,226,475.00	0.00
52 /	Amounts reversed during the year	0.00	0.00
3 (Closing Balance	0.00	0.00
	Others	920,321,298.00	461,094,823.00
	Opening balance	0.00	0.00
	additions during the year	0.00	0.00
	mounts used during the year	0.00	0.00
	mounts reversed during the year	0.00	0.00
	losing Balance	0.00	0.00
2		0.00	0.00
	otal —	0.00	0.00
8 20	N. 1000	1,680,973,759.99	1,237,482,244.79

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NOTE NO. 34 TO THE FS-CL-CURRENT TAX LIABILITIES (NET)

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٨,	Maha	ratna	Ca	mp	any

51454563	As at	T)	(Amount in ₹)
001		31.03.2021	31.03.2020
002	Current liabilities - current tax liabilities (net) Opening balance	0.00	0.00
003	Additions during the year	0.00	0.00
004	Amounts adjusted during the year	0.00	0.00
005	Less: Set off against taxes paid	0.00	0.00
006	Closing Balance	0.00	0,00
		0.00	0.00

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BARH THERMAL POWER PROJECT	
NOTE NO. 35 TO THE ES-DEEEDED DEVE	

NO	As at		(Amount in ₹)
001	100000	31.03.2021	31.03.2020
6333	Deferred Revenue	0.00	0.00
002	On account of advance against depreciation	0.00	
003	On account of income from foreign currency fluctuation	1,088,266,000.00	0.00 1,336,867,000.00
004 005	Government grants	0.00	0.00
006	TOTAL	0.00	0.00
	-	1,088,266,000.00	1,336,867,000.00

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BARH	THERMAL	POWER	PROJECT

NOT	E NO. 36 TO THE FS-REGULATORY DEFERRA	AL ACCOUNT CREDIT BALANCES	A Maharalna Company (Amount in ₹)
	Ma dt	31.03.2021	31.03.2020
2222	Regulatory deferral account credit balances Exchange Differences	0.00	0.00
003	Example Differences	0.00	0.00
004	Total	0.00	0.00
		0.00	0.00

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BARH THERMAL POWER PROJECT	
NOTE NO. 37 TO THE ES-REVENUE ED	

14	OTE NO. 37 TO THE FS-REVENUE FROM OPERATIONS		A Maharatna Company
	For the Year ended	31.03.2021	(Amount in ₹
00	THE ROLL OF ERATIONS	0.00	31.03.202
00		0.00	0.0
00	as a state (morading Electricity Duty)	38,181,341,441.09	0.0
00	4 Less : Advance against depreciation deferred (net)	0.00	35,713,538,092.00
00	5 Add: Revenue recognized out of advance against depreciation	0.00	0.00
00	customers	-66,266,000.00	-240,986,000.00
00	and or energy through trading	0.00	
008	(1)	0.00	0.00
009		38,115,075,441.09	0.00
010	- see a constanters	708,609,233.00	35,472,552,092.00
011	- ioi gy outes (rotal)	37,406,466,208.09	334,077,877.00
012	Consultancy, project management and supervision fees	0.00	35,138,474,215.00 0.00
013	Lease rentals on assets on Operating lease		
014	Sale of Captive Coal	0.00	0.00
015		0.00	0.00
017		0.00	0.00
018	Total - Sales	0.00	0.00
019		37,406,466,208.09	35,138,474,215.00
020	Less: Transferred to fly ash utilisation reserve fund	34,416,548.98	29,751,543.89
021	Sub-total Sub-total	-34,416,548.98	-29,751,543.89
022	Other Operating Income	0.00	0.00
023	Interest from customers	0.00	0.00
024	Energy Internally Consumed *	0.00	0.00
025	Interest income on Assets under finance lease	20,906,518.52	106,365,289.98
026	Recognized from deferred revenue - government	0.00	0.00
	grant	0.00	0.00
027	Provision written back- Tariff Adjustment	10048664	
028	Income form Trading of ESCerts	0.00	0.00
29	Income from E-Mobility Business & others	0.00	0.00
030	,	0.00	0.00
031	Total	0,00	0.00
40	* Valued at variable cost of generation and corresponding amount included in power charges (37,427,372,726.61 0.00	35,244,839,504.98 0.00
53	Note No. 42)		5.00
41	Excise duty on sale of flyash,cenospere & ash products	0.00	0.00
42	Energy sales of principal nature (NVVN)	200	
43	Energy sales of agency nature (NVVN)	0.00	0.00
	The second secon	0.00	0.00

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NOTE NO. 38 TO THE FS--OTHER INCOME A Maharatna Company (Amount in ₹) For the Year ended 31.03.2021 31.03.2020 001 OTHER INCOME 0.00 002 Interest from 0.00 0.00 004 Financial assets at amortised cost 0.00 0.00 Government Securities (8.5% Tax Free Bonds 0.00 0.00 issued by the State Governments) 0.00 006 Other Bonds 0.00 007 0.00 0.00 800 Interest from Government of India 0.00 0.00 Securties-Non-Trade 0.00 009 Less: Amortiation of premium 0.00 010 Sub Total 0.00 0.00 Interest from others 0.00 0.00 012 Loan to State Government in settlement of dues 0.00 0.00 from customers 0.00 013 Loan to Subsidiary Companies 0.00 014 Loan to Employees 0.00 14,220,499,43 015 Deposit with banks 16,359,997.84 0.00 016 Foreign Banks 0.00 0.00 017 0.00 Interest from Contractors 2,333,053.00 018 Interest from Income Tax Refunds 3,345,634.00 0.00 Less : Refundable to Customers 019 0.00 0.00 020 Sub Total 0.00 0.00 Deposits with banks-flyash utilisation reserve fund 021 0.00 0.00 Less: transferred to flyash utilisation reserve fund 022 0.00 0.00 023 Sub Total 0.00 0.00 024 Deposits with banks- DDUGJY funds 0.00 0.00 025 Interest from Contractors- DDUGJY funds 0.00 0.00 Transfer to DDUGJY-Advance from customers 026 0.00 0.00 027 Sub-total 0.00 0.00 030 Others 0.00 0.00 031 572.00 0.00 032 0.00 Dividend from 0.00 033 0.00 Longterm investments in 0.00 034 Subsidiaries 0.00 0.00 035 0.00 Joint Ventures 0.00 036 0.00 **Equity Instruments** 0.00 037 0.00 Current Investments in 0.00 Mutual Funds measured at fairvalue through profit 038 0.00 0.00 0.00 039 Current investments in mutual funds-flyash 0.00 utilisation reserve fund 0.00 Less: transferred to flyash utilisation reserve fund 040 0.00 041 Lease Rent # Ash Brick Plant 0.00 0.00 Less: transferred to flyash utilisation reserve fund 042 0.00 0.00 043 Other non-operating income 0.00 140.00 044 90:00 Profit on disposal of PPE 32,712.76 1,472,548.40 045 Profit on redemption of GOI securities 0.00 0.00

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BARH THERMAL POWER PROJECT
NOTE NO. 38 TO THE FS-OTHER INCOME

A Maharatna Company (Amount in ₹) For the Year ended 31.03.2021 046 Net gain on sale of investments 31.03.2020 0.00 047 Surcharge received from customers 0.00 201,354,452.00 048 83,581,986.00 Hire charges for equipment 2,589,049.60 Gain on option contract / Discount on 049 4,032,398.50 F.ExchContract 0.00 0.00 050 Provision written back-others 0.00 Fair value gains/(losses) on investments in mutual 0.00 0.00 funds at fair value through profit or loss 0.00 Interest from Solar payment security account 052 0.00 053 Less: Transferred to SPSA fund 0.00 0.00 Interest on "Retention on A/c BG encashment 0.00 0.00 (Solar)" 0.00 055 Less: Transferred to "Retention on A/c BG encashment (Solar)" 0.00 0.00 056 Miscellaneous Income 27,317,209.41 057 Total 23,948,715.92 247,847,116.20 Less:Transferred to Development of Coal Mines-058 132,741,942.66 Note 43A 0.00 0.00 059 Less:Transferred to Expenditure during Construction period (net)- Note 43 846,902.20 738,428.85 061 Less: Others 0.00 062 Total 0.00 247,000,214.00 063 132,003,513.81 0.00 064 Details of Miscellaneous Income 0.00 0.00 065 Vehicle Hire Charges. 0.00 190,000.00 066 Sale of by products & residuals 138,000.00 0.00 Township recoveries(exl. Hospital Recoveries). 067 0.00 11,539,033,82 068 Depreciation written back 10,651,112.30 0.00 069 Sale of Scrap. 0.00 5,458,739.79 070 Receipt under loss of profit policy. 5,621,666.02 0.00 071 Receipts under MBD/Fire Policy. 0.00 0.00 072 Management development programme. 0.00 0.00 073 Management Fee - Misc (NVVN) 0.00 0.00 074 Others 0.00 10,129,435,80 075 7,537,937.60 0.00 076 Total (Miscellaneous Income) 0.00 27,317,209.41 077 23,948,715.92 0.00 Details of Provision written back others 078 0.00 0.00 Doubtful debts 079 0.00 0.00 080 Doubtful Loans, Advances and Claims 0.00 0.00 081 Doubtful Construction Advances 0.00 0.00 082 Shortage in Construction Stores 0.00 0.00 083 Shortage in Stores 0.00 0.00 084 Obsolescence in Stores 0.00 0.00 085 Unserviceable capital works 0.00 0.00 086 Other Obligation including Arbitration 0.00 087 0.00 Shortage in Fixed Assets 0.00 0.00 0.00

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BARH THERMAL POWER PROJECT NOTE NO. 38 TO THE FS--OTHER INCOME

	Engths Vacant &		(Amount in ₹)
088	For the Year ended	31.03.2021	31.03.2020
000	Diminution in value of Investment	0.00	0.00

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BARH THERMAL POWER PROJECT NOTE NO. 38A TO THE FS-FUEL COST

MO	TE NO		The same of the sa
NO	TE NO. 38A TO THE FS-FUEL COST		A Maharatna Company
	For the Year ended	WORKER TO BE	(Amount in ₹)
001	FUEL COST	31.03.2021	31.03.2020
002	Coal	0.00	0.00
003	Captive	0.00	0.00
004	Other than captive	0.00	0.00
005	Gas	21,500,797,534.31	19,894,225,481.01
006	Naptha	0.00	0.00
007	Oil	0.00	0.00
800	Total	113,127,132,57	115,761,836.98
009		21,613,924,666.88	20,009,987,317.99
010		0.00	0.00
		0.00	0.00
			0.00

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DA	THERMAL POWER PROJECT		
NO	TE NO. 39 TO THE FS-EMPLOYEE BENEFITS EXPENS	F	A Maharatna Company
	For the Year ended		(Amount in ₹
001	THE ECITE BENEFITS EXPENSE	31.03.2021	31.03.2020
002	Salaries and wages	0.00	0.00
003	Contribution to provident and other funds	1,388,257,877.89	1,367,836,559.98
004	Unwinding of deferred payroll expense	164,678,181.69	131,593,197.41
005	Staff welfare expenses	8,258,738.20	11,202,688.13
006	- Expenses transferred to Consultancy group	155,980,414.98	161,198,175.94
007	3.00	0.00	0.00
800	Sub Total ——	0.00	0.00
009	Less: Employee benefits expense allocated to fuel inventory	73,193,178,64	1,671,830,621.46 69,136,225.68
010	Less: Transferred/Allocated to development of coal mines	0.00	0.00
011	Less: Others	Carriantes	
012	Less: Transferred to fly ash utilisation reserve fund	0.00	0.00
013	Less: Transferred to CSR Expenses	0.00	0.00
014	Reimbursements for employees on secondment	0.00	0.00
015	Less: Transferred to expenditure during construction period (net)- Note 43	564,049.00 201,833,302.45	355,247.00 180,871,873.05
016	TOTAL		
017	Managerial Remuneration paid/ payable to	1,441,584,682.67	1,421,467,275.73
	Directors included above (except for Directors fee which is included in Note 42)	0.00	0.00
018	Salaries and wages		
119	Contribution to provident and other funds	0.00	0.00
20	Staff welfare expenses	0.00	0.00
21	Directors fee	0.00	0.00
22		0.00	0.00
23		0.00	0.00
		0.00	0.00

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	THERMAL POWER PROJECT		
N	OTE NO. 40 TO THE FSFINANCE COSTS		A Maharatna Company
	For the Year ended	21.02.2024	(Amount in
00	1 FINANCE COSTS	31.03.2021	31.03.202
00	and a second second second second	0.00	0.0
	at amortised cost	0.00	0.0
00	18	4,842,486,356.09	W1250500
00	Covernment of India Loans	0.00	4,402,424,384.7
008	, single currency term loans	255,537,086.99	0.0
006	and a series	5,206,452,894.00	565,417,966.6
007	doposits	0.00	6,079,435,560.0
008	traditionely bolida/flotes		0.0
009	Cash Credit	905,869,677.11	883,692,949.50
010	and an areconstruction account of vendor	0.00	0.00
	napilities	5,182,334.77	13,273,738,65
011	minordian rapers	0.00	1/2/1002
012		11,215,528,348.96	0.00
013	The state of the s	0.00	11,944,244,599.53
014	Costs	0.00	0.00
015	Bonds servicing & public deposit exp.	5,094,092.57	0.00
016	Guarantee fee	0.00	5,146,109.94
017	Management fee	0.00	0.00
018	Committ charges/exposure premium	0.00	0.00
019	Bond issue expenses	0.00	0.00
020	Legal exp on foreign currency loans	0.00	0.00
)21	Foreign currency bonds/notes exp.	0.00	0.00
022	Up-front fee	0.00	0.00
)23	Insurance premium on foreign currency loans	0.00	0.00
24		0.00	0.00
25	Others	0.00	0.00
26	Sub Total (Other Borrowing cost)	5,094,092.57	0.00
27		0.00	5,146,109.94
28	Exchange differences regarded as an	0.00	0.00
00	adjustment to borrowing costs	0.00	0.00
29	Sub Total	11,220,622,441.53	11 040 200 700 47
30	Less: Transferred to Expenditure during construction period (net) - Note 43	7,597,813,989.45	7,797,534,905.17
31	Less: Transferred to development of coal mines- Note 43A	0.00	0.00
32	2222		
33	Total	0.00	0.00
	10.0000	3,622,808,452,08	CONTRACTOR CONTRACTOR CONTRACTOR

3,622,808,452.08

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4,151,855,804.30



IEND 41 TO THE CO DESCRIPTION		The state of the s
For the Year ended	ATION EXPENSES	A Maharatna Company
	31.03.2021	(Amount in ₹
On property, plant and equipment- Note 2 On intangible assets- Note 4 Sub-total Less: Allocated to fuel inventory Transferred to Expenditure during Construction Period (net)- Note 43	0.00 5,640,249,028.28 15,458.67 5,640,264,486.95 0.00 418,573,811.47 0.00	31.03.2020 0.00 5,475,234,249.06 0.00 5,475,234,249.06 0.00 414,402,699.77
		0.00
Transferred/Allocated to development of coal mines	0.00 0.00	0.00
Adjustment with deferred revenue from deferred foreign currency fluctuation	108,481,000.00	44,949,000.00
Total ——	5,113,209,675,48	0.00
	Depreciation and amortization expenses On property, plant and equipment- Note 2 On intangible assets- Note 4 Sub-total Less: Allocated to fuel inventory Transferred to Expenditure during Construction Period (net)- Note 43 Transferred/Allocated to development of coal mines Adjustment with deferred revenue from deferred foreign currency fluctuation	Depreciation and amortization expenses On property, plant and equipment- Note 2 On intangible assets- Note 4 Sub-total Less: Allocated to fuel inventory Transferred to Expenditure during Construction Period (net)- Note 43 Transferred/Allocated to development of coal mines Adjustment with deferred revenue from deferred foreign currency fluctuation Total 31.03.2021 0.00 5.640,249,028.28 15,458.67 5.640,264,486.95 0.00 418,573,811.47 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0

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NOTE NO. 42 TO THE FS-OTHER EXPENSE

	For the Veet and of		A Maharatna Company
001	For the Year ended	31.03.2021	(Amount in ₹
002	OTHER EXPENSES	0.00	31,03,202
003	Power charges	249,467,798.32	0.0
004	Less: Recovered from contractors & employees	8,797,084.12	129,942,782.9
005	Sub-Total(Power Charges)	240,670,714.20	12,001,349.1
	Water charges —	127,195,719.55	117,941,433.8
	Stores consumed	65,551,339,52	127,544,201.3
	Rent	0.00	63,915,376.3
	Less:Recoveries	0.00	0.0
	Sub-Total (Rent)	0.00	0.0
	Cost of captive coal produced	0.00	0.0
	Repairs & maintenance		0.00
	Buildings	0.00 41,187,667.61	0.00
013	Plant & machinery		37,000,986.00
014	Power stations	0.00	0.00
	Construction equipment	1,224,956,964.82	1,167,662,610.80
	Others	28,320.00	5,194.00
017 S	ub-total (Repairs & maintenance)	82,398,185.89	116,898,627.35
019 L	oad Dispatch Center Charges	1,348,571,138.32	1,321,567,418.15
021 Ir	surance	9,268,221.00	16,419,315.00
022 In	terest to beneficiaries	58,399,320.16	36,997,106.00
023 R	ates and taxes	0.00	0.00
024 W	ater cess & environment protection cess	20,316,482.78	23,532,987.87
025 Tr	aining & recruitment expenses	0.00	0.00
026 Le	ss: Receipts	1,591,631.00	3,834,733.00
027 St	b-total (Training and recruitment expenses)	0.00	0.00
028 Cd	mmunication expenses	1,591,631.00	3,834,733.00
029 Inl	and Travel	22,428,726.03	20,409,473.23
030 Fo	reign Travel	65,288,526,63	78,579,472.33
	nder expenses	156,812.00	1,708,520.74
	s: Receipt from sale of tenders	177,030.00	0.00
033 Su i	o-total (Tender expenses)	691,947.70	486,691.00
034 Pay	ment to auditors	-514,917.70	-486,691.00
	dit fee	0.00	0.00
	x audit fee	0.00	
	her services	0.00	0.00
	imbursement of expenses	0.00	0.00
039 Sub	-total (Payment to Auditors)	5,445.00	0.00
	ertisement and publicity	5,445.00	362,956.00
10000	tricity duty	24,999.00	362,956.00
	urity expenses	0.00	405,313.00
		540,716,230.25	0.00
	rtainment expenses	16,138,719.56	450,181,157.34
Section 1	nses for guest house	13,489,435,95	16,723,266.29
30-1	Recoveries	267,979.20	11,665,138.45
	Total (Guest house expenses)	13,221,456.75	0.00
	ation expenses	0.00	11,665,138.45
49 Dona	tions		14,160.00
nokadi 12	250 254 FEAT - 170 FEE	0.00	0.00

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(Amount in ₹)

31.03.2020

BARH THERMAL POWER PROJECT

NOTE NO. 42 TO THE FS-OTHER EXPENSE For the Year ended 050 Ash utilisation & marketing expenses 31.03.2021 051 Directors sitting fee 10,027,893.31 0.00

	oed or marketing expenses	10 007 000 0	31.03.202
	051 Directors sitting fee	10,027,893.31	2,921,717.3
	053 Professional charges and consultancy fees	0.00	0.0
	004 Legal expenses	1,299,351.00	885,870.1
	055 EDP hire and other charges	11,724,482.00	30,359,866.0
	056 Printing and stationery	1,511,611.99	1,992,610.00
	057 Oil & gas exploration expenses	909,685.42	1,258,103.57
(059 Hiring of vehicles	0.00	0.00
(Reimbursement of L.C.charges on sales	24,713,404.08	26,584,184.74
	realisation	0.00	
C	062		0.00
0	63 Cost of Hedging	0.00	0.00
0	64 Derivatives MTM loss/gain (Net)	1,200,600.00	0.00
0	65 Net loss/(gain) in foreign currency transactions &	0.00	0.00
	translations	-61,500,428.17	74,960,806.63
0	Transport Vehicle running expenses		74,900,000,003
06	Horticulture Expenses	2,108,834.72	3,435,828.96
06	Hire charges- helicopter/aircraft.	12,026,160.00	14,024,713.46
06	9 Hire charges of construction equipment	0.00	
07	O Demurrage Charges	0.00	0.00
07	2	0.00	136,880.00
07	3 Miscellaneous expenses	0.00	0.00
07	Loss on disposal/write-off of PPE	45,579,960.01	0.00
07	5 Sub-Total —	37,626,328.81	35,821,899.98
076		2,616,258,447.22	131,984,264.88
077	caperises allocated to fuel inventor.	360,908,996.09	2,615,682,083.60
00000	Less: Transferred/Allocated to development of coal mines	0.00	345,413,762.03
078		0.00	0.00
079	Less: Transferred to fly ash utilisation reserve fund	10,027,893.31	144-24-200000
i literi 474	Less: Hedging cost Net recoverable/payable from/to beneficiaries	0.00	2,921,717.33
080			0.00
081	Less: Transferred to CSR Expenses	0.00	2000
082	Less Transferred to CSR Expenses	0.00	0.00
	Less:Transferred to Expenditure during Construction period(net)-Note 43	492,349,379.90	0.00
083	Net (Generation, Administration		314,617,241.50
	Net (Generation, Administration and Other expenses)	1,752,972,177.92	4.000 000
084	Corporate Social Responsibility Expenses		1,952,729,362.74
085	Less: Grants-in-aid	2,637,851.31	1 070 000 00
086	Sub-total (Corporate Social Responsibility	0.00	1,878,938.28
	Expenses)	2,637,851,31	0.00
087	Provisions	ACCEPTANT A 11	1,878,938.28
880	Doubtful Debts	0.00	
89	Doubtful loans, advances and claims	0.00	0.00
90	Doubtful Construction Advances	0.00	0.00
91	Shortage in stores	0.00	0.00
		158,190,587.00	0.00
	Obsolete/Dimunition in the value of surplus stores	0.00	24,271,520.00
00	Shortage in construction stores	2,010,465.00	0.00
	Dimunition in value of long term investments		5,590,290.00
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NO	OTE NO. 42 TO THE FSOTHER EXPENSE		MING
	For the Year ended		A Maharatna Company
09		31.03.2021	(Amount in
096	Unfinished minimum	1,139,685.87	31.03.202
	3 Unfinished minimum work progress from oil & gas exploration	0.00	0.0
097		0.00	0.0
098	Tariff Adjustment	0.00	
099	Others :	106,978,000.00	0.0
100	(i) Provision for arbitration cases	0.00	38,086,000.0
101	(ii) Other provisions	0.00	0.0
102	Total (Provisions)	0.00	0.00
103	National Control of the Control of t	268,318,837.87	0.00
104	Total	0.00	67,947,810.00
105		2,023,928,867.10	0.00
106	Breakup of miscellaneous expenses.	0.00	2,022,556,111.02
109	Hire charges of office equipment	0.00	0.00
111	Operating expenses of construction equipment	0.00	0.00
112	Operating expenses of D.G. sets	3,446,932,45	0.00
113	Furnishing expenses	0.00	4,336,349.87
114	Subscription to trade and other associations.	1,006,776.99	0.00
116	Visa and entry permit charges	0.00	325,782.14
117	Tree plantation expNTPC Land	0.00	0.00
118	Research & development expenses .	14,516,435.22	0.00
119	Less : Grants received for Research &	0.00	12,917,649.00
	develoment expenses.	0.00	0.00
120	Sub-total (Research & development expenses)	5.50	0.00
21 E	Bank charges	0.00	5243
	usiness Development Expenditure	1,146,890.10	0.00
23 S	urcharge (NVVN)	0.00	933,475.42
24 P	ower Trading Expenses	0.00	0.00
25 B	rokerage & commission	10,579,810.00	0.00
29 B	ooks and periodicals	1,663,946.00	118,000.00
30 C	aims/advances written off	16,408.00	0.00
31 St	ores written off	0.00	65,938.60
2 St	rvey &Investigation expenses written off	0.00	0.00
- 0	thers	47,092.00	0.00
4 To	tal	13,155,669.25	2.124,000.00
5		45,579,960.01	15,000,704.95
6		0.00	35,821,899.98
7		0.00	0.00
		0.00	0.00
		1555 23711	0.00

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BARH THERMAL	POWER PROJECT
MOTE	

	NOTE NO. 43 TO THE PROJECT		NTPC
	NOTE NO. 43 TO THE FS-EXPENDITURE DURIN For the Year ended	G CONSTRUCTION PERIOD (NET)	A Maharatna Company
0	001 EXPENDITURE DUDING	31,03,2021	(Amount in ?
	001 EXPENDITURE DURING CONSTRUCTION PERIOD (NET)	0.00	31.03.202
0	02 A. Employee benefits expense	0.00	0.0
0	03 Salaries and wages	0.00	
0	04 Contribution to provide	168,366,140.19	0.0
00	Contribution to provident and other funds Unwinding of deffered	20,906,542.93	152,297,933.1
00	Unwinding of deffered payroll expenses Staff welfare expenses	0.00	15,577,131.1
00	7 Total (A)	12,560,619.33	0.00
00		201,833,302.45	12,996,808.76
00		0.00	180,871,873.05
	9 Finance charges on financial liabilities measure at amortised cost	d 0.00	0.00
01	0 Bonds	0.00	0.00
01	Foreign currency term loans	3,909,248,260.11	0.040.444
012	Rupee term loans	151,602,620,86	3,613,385,705.96
013	Foreign currency bonds/notes	3,211,653,322.79	431,003,707,96
014	Unwinding of discount on account of vendor	313,967,628,64	3,423,975,806.51
	liabilities	5,182,334.77	309,954,992.00
015	Others	2 222	13,221,255.77
016		0.00	constitution for
017	Other Borrowings Costs	0.00	0.00
018	Guarantee Commission	0.00	0.00
019	Management Fees/Arrangers Fees	0.00	0.00
020	Commitment charges/Exposure Premium	0.00	0.00
021	Legal Expenses on foreign currency loans	0.00	0.00
022	Foreign currency bonds/notes expenses	0.00	0.00
023	Foreign Credit Insurance Premium	0.00	0.00
024	Upfront Fee	0.00	0.00
025	Exchange Differences	0.00	0.00
026	Others	0.00	0.00
027		6,159,822.28	0.00
	Exchange differences regarded as adjustment to interest cost	0.00	5,993,436.97
28	Total (B)		0.00
29	- Court for	7,597,813,989.45	7 707 504 504
30	C. Depreciation and amortisation	0.00	7,797,534,905.17
31	D. Generation , administration and other	0.00	0.00
	expenses	0.00	0.00
32	Power charges		0.00
33	Less: Recovered from contractors & complexes	242,153,614.35	115,654,703.88
34	Sub-total(Net power charges)	399,567.20	
35	Water charges -	241,754,047.15	150,309.32 115,504,394.56
6	Rent	18,158,200.58	
7	Repairs & maintenance	0.00	0.00
8	Buildings	0.00	0.00
9	Construction equipment	810,036.68	0.00
)	Others	0.00	1,779,132.80
1		63,517,149.21	0.00
2	Insurance	0.00	40,000,981.91
		1,045,532.53	0.00
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NO	TE NO. 42 TO THE PROJECT		Cialing
	TE NO. 43 TO THE FSEXPENDITURE DURING CO For the Year ended	NSTRUCTION PERIOD (NET)	A Maharatna Compan
043		31.03.2021	(Amount in
044	and taxes		31.03.20
045	communication expenses	3,012,249,07	4,537,623.
046	raveling expenses	2,452,712.88	2,026,820.4
047	- Street expenses	10,442,576.08	10,636,535,
048	- solver from sale of tenders	0.00	0.0
049	(Net tender expenses)	0.00	0.0
050	Advertisement and publicity	0.00	0.0
051	Security expenses	0.00	0.0
052	Entertainment expenses	140,127,367.40	115,577,819.6
	Guest house expenses	2,503,600.97	1,003,577.0
053	Less: Receipt from guest house	0.00	0.00
054	Sub-total (Net Guest House Expenses)	0.00	0.00
055	Education expenses —	0.00	0.00
056	Brokerage & Commission	0.00	0.00
057	Books and periodicals	0.00	0.00
058	Community development expenses	0.00	1,700.00
059	Professional charges and consultancy for	0.00	0.00
060	Legal expenses	0.00	0.00
061	EDP Hire and other charges	6,276,962.00	22,582,851.00
062	Printing and stationery	0.00	0.00
063	Miscellaneous expenses	69,158.00	1,017.00
	Total (D)	2,179,787.35	931,366.65
	Total (A+B+C+D) —	492,349,379.90	314,617,241.50
066 E	Less: Other Income —	8,291,996,671.80	8,293,024,019.72
067	Interest from	0.00	100000000000000000000000000000000000000
068	Indian banks	0.00	0.00
069	Foreign banks	0.00	0.00
070	Others	0.00	0.00
071	Contractors	0.00	0.00
072	Hire charges	0.00	0.00
73	Sale of scrap	0.00	0.00
74 Ex	change Differences	0.00	0.00
75 Mi	scellaneous income	- 0.00	0.00
76 TC	OTAL (E)	846,902.20	0.00
	Net actuarial gain/loss OCI	846,902.20	738,428,85
78	gennos OCI	0.00	738,428.85
79 GR	AND TOTAL (A+B+C+D-E+F)	0.00	0.00
30	- TAL (ATBTC+D-E+F)	8,291,149,769.60	0.00
	alance carried to Co	0.00	8,292,285,590.87
· · · · · · · · · · · · · · · ·	alance carried to Capital Work-in-progress - te 3)	8,291,149,769.60	0.00
3000	STATE OF THE STATE	11. 101/ 03.00	8,292,285,590.87

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BARH THERMAL POWER PROJECT NOTE NO. 44-A TO THE FINANCIAL STATEMENTS

NC	OTE NO. 44-A TO THE FINANCIAL		101100
	OTE NO. 44-A TO THE FINANCIAL STATEMENTS As at		A Maharatna Company
00		31.03.2021	(Amount in ₹
002		0.00	31.03.2020
	Freehold land for which conveyancing of the title is awaiting completion of legal formalities	52	0.00
003	(a) area (in acres)	0.00	0.00
004	(b) value (in rs)	51.21	
005	Right-of-use land for which	79,497,948.00	51.21
	Right-of-use land for which execution of lease deed is awaiting completion of legal formalities	0.00	79,497,948.00
006	(a) area (in acres)	0.00	0.00
007	(b) value (in rs)	3.08	
800	Right-of-use land acquired on perpetual lease and	836,926.81	3.08
	accordingly not amortised	0.00	836,926.81
009	(a) area (in acres)		0.00
010	(b) value (in rs.)	0.00	
011	Land in physical possesses	0.00	0.00
	THE DEET NIMAN IN THE LEVEL	32.51	0.00
(2000	Price (III acres)		32.51
012	Deposit with government out a tra		
		1,796,531,477.00	1,796,531,477.00
	a subject to adms		11, 20,331,417,00
	Land not in possession of the company	1100	
7.7	(a) area (in acres)	0.00	0.00
1.53.5	-Freehold	0.00	0.00
	-Right of Use	0.00	0.00
	b) value (in rs)	0.00	0.00
5 TO 100	-Freehold	0.00	0.00
019 .	Right of Use	0.00	0.00
020 F	Right-of-use buildings pending completion of legal	0.00	0.00
		0.00	0.00
V21 E	stimated amount of contracts remaining to be		0.00
	on capital account and not provided to-	0.00	0.00
	roperty, plant & equipment tangible assets	32,601,211,725.32	
024 De	atallo of assets		34,920,107,144.30
	etails of precommissioning expenditure	0.00	0.00
	precommissioning expenses	0.00	0.00
	precommissioning income	1,219,223,472.52	284,195,481.51
027 (0)	net precommissioning expenditure	36,963,295.00	0.00
028		1,182,260,177.52	284,195,481.51
030		0.00	0.00
	ş	0.00	0.00
the	change rate variation taken to revenue during	0.00	0.00
	The second in the second secon	-24,374,979.21	7,082,276.62
1 1 1 1 1	hange rate variation capitalised during the year	700	
	h -ve sign, if favourable) ses as Lessee	-736,145,382.79	3,145,456,073.41
		2022	
	ses classified as Right to Use	0.00	0.00
(und	bligation towards Minimum Lease Payments	0.00	0.00
100	enths or less (A)	0.00	0.00
3,110	THE OF IOSS (A)	0.00	340.23
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	ARH THERMAL POWER PROJECT		NTPC
N	OTE NO. 44-A TO THE FINANCIAL STATEMENTS		A Maharatna Company
05	AS at	31.03,2021	(Amount in ₹
05	z montis (B)		31.03.202
05		0.00	0.0
05	- 0 / Odi 3 (D)	0.00	0.0
	more man 5 rears (E)	0.00	0.0
05	(ALDICIDIE)	0.00	0.0
056	Politice of Lease Liabilities (Δ)	0.00	0.0
057	- Additions in lease liabilities (B)	0.00	0.0
058	microst cost during the year (C)	0.00	0.00
059	· ayment of lease flabilities (D)	0.00	0.00
060	Dalance of Lease Liabilities (A+R+C D	0.00	0.00
061	Current Lease Liabilities	0.00	0.00
062	Canchi Lease Liabilities	0.00	0.00
063	- Production dilluding allon ovococce fe-	0.00	0.00
004	nght-or-use assets	0.00	2,213,837.49
064	- Territ Cedses	an acc	e desima
065	A) Rent	0.00	0.00
066	Company lease accomodation - executives	0.00	0.00
067	Company lease accomodation - directors	344,156.76	431,587.40
068	Others	0.00	0.00
069	Total	0.00	0.00
070	Cash Outflow from Leases	344,156.76	431,587.40
071	B) (i) receipts from sub-lease of office buildings	0.00	431,587.40
072	(ii) receipts from sub-lease of heliconter	0.00	0.00
073	Leases as Lessor	0.00	0.00
	Finance Leases	0.00	0.00
075	Finance Income on Net Investment in Lease	0.00	0.00
010	Income Related to Variable Lease Payments	0.00	0.00
0,,		0.00	0.00
078	Undiscounted Lease payments to be received	0.00	0.00
079	Less than one year (A)	0.00	0.00
080	Between one and two years (B)	0.00	0.00
081	Between two and three years (C)	0.00	0.00
082 E	Between three and four years (D)	0.00	0.00
083 E	Between four and five years (E)	0.00	0.00
084 N	More than five years (F)	0.00	0.00
085 T	otal minimum lease navments —	0.00	
1	4*D*C*D+E+F)	0.00	0.00
086 Li	ess amounts representing unearned finance		0.00
	Some	0.00	0.00
107 P	resent value of minimum lease payments	VIESES	120570
00		0.00	0.00
	perating Leases	0.00	0.00
	ase Income	0.00	0.00
91 Inc	come Related to Variable Lease Payments	0.00	0.00
32		0.00	0.00
3 Un	discounted Lease payments to be received	0.00	0.00
4 Les	ss than one year (A)	0.00	19550
	3.05.2021 - 12:55:52	467 When	0.00
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NOTE NO. 44-A TO THE FINANCIAL STATEMENTS A Maharatna Company As at (Amount in ₹) Between one and two years (B) 31.03.2021 095 31.03.2020 Between two and three years (C) 096 0.00 0.00 Between three and four years (D) 097 0.00 0.00 Between four and five years (E) 098 0.00 0.00 099 More than five years (F) 0.00 0.00 100 Total minimum lease payments 0.00 0.00 (A+B+C+D+E+F) 0.00 0.00 Borrowing cost capitalised during the year 101 7.597.813.989.45 Revenue grants recognized during the year 102 7,797,534,905.17 Revenue expenditure on research and 103 0.00 0.00 development 0.00 0.00 104 Capital expenditure on research and development. Expenditure on sustainibility development - capital 105 0.00 0.00 106 Expenditure on csr- capital 0.00 0.00 Csr amount spent during the year, yet to be paid in 107 0.00 0.00 cash 0.00 0.00 Constn/acquisition of any asset 108 109 On purpose other than above 0.00 0.00 110 0.00 0.00 111 Disclosure under msmed act 2006. 0.00 0.00 (i) (a) the principal amount remaining unpaid as at 112 0.00 0.00 year end 369,428,879,74 416,023,110.93 (i) (b) interest due there on remaining unpaid as at 113 Year end 0.00 0.00 (ii) the amount of interest paid by the buyer in terms of section 16, along with the amounts of the 0.00 0.00 payment made to the supplier 115 (iii) the amount of interest due and payable for the period of delay in making payment(which has been 0.00 0.00 paid but beyond the appoin (iv) the amount of interest accrued and remaining unpaid at the end of the year; and 0.00 0.00 (v) the amount of further interest remaining due 117 and payable even in the succeeding years, until 0.00 0.00 such date when the interest due Amount of inventories recognized as an expense 118 (including fuel) 22,193,253,274.16 20,765,924,756.56 119 Amount of inventories capitalised as overhauling 458,680.53 assets out of 112 above 149,043,429,87 Amount capitalised as edc out of 112 above 120 Value of Imported Material Consumed during the 133 0.00 0.00 Year 0.00 0.00 134 135 Contingent liabilities 0.00 0.00 A. Claims against the company not acknowledged 136 0.00 0.00 as debts in respect of : 0.00 0.00 137 (i)Capital works 13,689,375,243,63 138 (ii)Land compensation cases 19,071,407,169.94 (iii)Others by state authorities towards:-749,922,918.60 749,922,918.60 0.00 0.00

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BARH THERMAL POWER PROJECT NOTE NO. 44-A TO THE FINANCIAL STATEMENTS

NOT	ENO 44-A TO THE ENLINE		
	NO. 44-A TO THE FINANCIAL STATEMENTS As at		A Maharatna Company
140		24.02.2004	(Amount in ?
141	(a) Water royalty / water charges / nala tax	31.03.2021	31.03.202
142	(b) Diversion of land / building permission for	0.00	0.0
	(c) Other demands by state authorities	0.00	0.0
144	(iv) Others by fuel companies	46,867,000.00	57,660,274.0
133	(a) Disputes related to grade slippage-third party sampling	0.00	0.0
		1,522,224,165.82	2,392,873,500.5
146	(b) Surface transportation charges on coal	129 500 054	
	c) Take or pay claim - Gas stations	128,592,051.76	128,546,247.7
	d) Other claims by fuel companies not icknowledged as debt	0.00	0.0
149 F	Disputed to de	0.00	0.00
	3.Disputed tax demands) Income tax	19/221	0.775.77
		0.00	0.00
N.	Excise duty	1,238,660.00	1,238,660.00
CONTRACT NO.	i) Sales tax	0.00	0.00
_000000 200) Service tax	143,937,091.00	158,904,170.00
- STEEL	Entry tax	0.00	0.00
	Others	26,904,142.00	33,285,935.00
	tal	1,358,784.00	1,358,784.00
157 D.	Possible reimbursement on account of	16,310,420,056.81	22,595,197,659.84
00.00	and a series	0.00	0.00
	Capital works		0.00
	and compensation cases	0.00	0.00
61	Others (by state authorities)	0.00	0.00
	— West Mark Committee	0.00	0.00
62 (iv)	Others by fuel companies	0,00	0.00
03 (V) I	Disputed income tax demand	1,650,816,217.58	2,521,419,748.30
04 (W)	Disputed tax demands -others	0.00	
33 (VII)	Others	0.00	0.00
7 Tota		0.00	0.00
8 E.AM	MOUNT PAID UNDER PROTEST/ADJUSTED	1,650,816,217.58	0.00
	UTHORITIES - TAX CASES	70,793,454.40	2,521,419,748.30
9			78,276,994,40
F.CC	NTINGENT ASSETS	0.00	0.00
1		0.00	0.00
2		0.00	0.00
3		0.00	0.00
Previo	ous year figures have been	0.00	0.00
regrou	ped/rearranged wherever necessary.	0.00	0.00
	nocessaly.		0.00

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NOTE NO. 44-B TO THE FS--RPD DISCLOSURE- TRANSACTIONS DURING THE PERIOD A Maharatna Company (Amount in ₹) 1) Transactions during the year- subsidiaries 001 31.03.2021 31.03.2020 002 Contracts for works/services for services received 0.00 by the company 0.00 0.00 Contracts for works/services for services provided 003 0.00 by the company 0.00 004 Deputation of employees 0.00 005 Purchases or sales of goods 0.00 0.00 006 Purchases or sales of property and other assets 0.00 0.00 007 Sub-total 0.00 008 0.00 0.00 0.00 009 Dvidend received 0.00 Equity contributions made 0.00 010 0.00 0.00 Share application money pending allotment 011 0.00 012 0.00 Loans granted 0.00 0.00 013 Guarantees received 0.00 0.00 014 Guarantees provided 0.00 0.00 015 Sub-total 0.00 0.00 016 0.00 Transactions during the year-jvs 0.00 017 0.00 Contracts for works/services for services received 0.00 018 0.00 by the company 0.00 583,936,925.87 457,952,185.98 Contracts for works/services for services provided 019 by the company 0.00 020 Deputation of employees 0.00 Purchases or sales of goods 021 0.00 0.00 022 Purchases or sales of property and other assets 18,564,368.00 0.00 023 Sub-total 0.00 0.00 024 602,501,293.87 457,952,185.98 025 Dividend received 0.00 Equity contributions made 0.00 026 0.00 027 Share application money pending allotment 0.00 0.00 0.00 028 Loans granted 0.00 029 0.00 Guarantees received 0.00 0.00 030 Guarantees provided 0.00 Sub-total 0.00 031 0.00 0.00 032 Total 0.00 Transactions with post employment benefit 0.00 033 602,501,293.87 457,952,185.98 0.00 Contributions made during the year 034 0.00 035 Compensation to key management personnel 0.00 0.00 036 Short term employee benefits 0.00 Post employment benefits 0.00 037 0.00 Other long term benefits 0.00 038 0.00 039 0.00 Termination benefits 0.00 040 Share based payments 0.00 0.00 0.00 Sub-total 041 0.00 042 Transactions with the related parties under the 0.00 0.00 0.00 0.00 0.00

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NO	ARH THERMAL POWER PROJECT		NTPC
	OTE NO. 44-B TO THE FSRPD DISCLOSURE- TRANSA	CTIONS DURING THE BERIOR	A Maharatna Company
	Control of the	31.03.2021	(Amount in ₹
04:	control of the same government:	31.03.202	31.03.202
10500	Coal India ltd And its subsidiaries- purchase of	9 840 end out	
044		9,810,631,043.00	10,148,422,936.8
045	Singareni coalfields ltd- purchase of coal Bhel ltd.	0.00	
046		0.00	0.00
047	- strade of equipment, supply & erection and	0.00 603,747,581.45	0.00
048	a chase of spares	71,199,995.87	63,005,952.70
049	THE SELVICES		194,655,879,22
050	- and total	294,588,262.18	91,756,560.14
051	Gail (i) ltd. Supply of natural gas	969,535,839.50	349,418,392.06
052	locl supply of oil products	0.00	0.00
053	Bpcl-supply of natural gas and oil	419,850,865.80	518,400,616.69
054	Sail-supply of steel and iron products Other entities	213,886,005.71	0.00
055		47,180,490.81	153,534,533.89
056	Purchase of equipments & erection services	0.00	0.00
057	urchase of spares	198,539,811.82	74,146,146.61
058	Maintenance services	11,602,715.98	23,058,033.94
	Total	23,515,012.80	37,529,578.22
	Total	0.00	0.00
	Transaction with other	11,694,741,785.42	11,304,510,238.30
	Transaction with ntpc education and research	0.00	0.00
	and hipe loungation	0.00	0.00
063	transactions during the year	S	0.00
7.77	ADDITIONAL TRANSACTIONS WITH RELATED	0.00	0.00
		0.00	0.00
(1	Compensation to key management personnel	0.00	
d	including co secretary/ cmd and non executive lirectors)	0.00	0.00
65 S	hort term employee benefits		
66 P	ost employment benefits	0.00	
67 O	ther long term benefits	0.00	0.00
58 Di	rectors sitting fee	0.00	0.00
39 Te	ermination benefits	0.00	0.00
70 SH	nare based payments	0.00	0.00
1 Ba	ink guarntee received from joint venture	0.00	0.00
CO	mpanies	0.00	0.00
	ditional Transactions with GAIL	0.00	0.00
3	WILL OVIT	0.00	
4		0.00	0.00
5		0.00	0.00
		0.00	0.00
		V-20	0.00

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BARH THERMAL POWER PROJECT

NOTE NO. 44-C TO THE FS--RPD DISCLOSURE- OUTSTANDING BALANCES A Maharatna Company (Amount in ₹) Outstanding balance 001 31.03.2021 31.03.2020 Amount recoverable towards loans 002 0.00 0.00 003 - From Subsidiaries 0.00 0.00 004 - From JVC 0.00 0.00 005 - From KMP 0.00 0.00 006 - From Others 0.00 0.00 007 Sub-total 0.00 0.00 008 Amount recoverable other than loan 0.00 0.00 009 - from subsidiaries 0.00 0.00 010 - from joint ventures 0.00 0.00 - from key managerial personnel 011 0.00 0.00 012 - from post employment benfit plans 0.00 0.00 013 - from others 0.00 0.00 014 Sub-total 0.00 0.00 015 Amount payable 0.00 0.00 016 - from subsidiaries 0.00 0.00 017 - from joint ventures 0.00 0.00 018 - from key managerial personnel 51,894,696.87 43,961,059.00 019 - from post employment benfit plans 0.00 0.00 020 - from others 0.00 0.00 021 Sub-total 0.00 0.00 022 51,894,696,87 43,961,059.00

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