

BEFORE THE JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION,
RANCHI

Case (Tariff) No 11 of 2023

In the matter of:

Tata Power Company Limited

... **Petitioner**

-Versus-

Tata Steel Limited

....**Respondent**

INDEX

SR. NO.	PARTICULARS	PAGE NO.
1	Reply by the Petitioner along-with affidavit, to the queries raised by the Hon'ble Commission in the letter No. 'JSERC/Case (Tariff) No. 11 of 2023/314' dated 17th January 2024 and Additional Submission for kind consideration of the Hon'ble Commission for revision of ARR for True-up of FY 23	1-21
2	ANNEXURE R1: Generation Reports- FY 2022-23	22-46
3	ANNEXURE R2: SHR Computation	47-48
4	ANNEXURE R3(Colly): Sample LDO Bills for FY 2020 and FY2023	49-50
5	ANNEXURE R4 (Colly): Audited Monthly stock balance report for Coal and LDO and sample coal bills	51-64
6	ANNEXURE R5: Monthly bills raised to beneficiary for FY 2022-23	65-123
7	ANNEXURE R6: Statement of reconciliation of the heads of O&M Expenses with audited Accounts	124
8	ANNEXURE R7: Communication to TSL pursuant to MYT Order dated 04.11.2022	125-127
9	ANNEXURE R8: (Colly): Sales Agreement with TSL and allocation letters issued by CIL	128-139
10	ANNEXURE R9 (Colly): Sample coal receipts for FY 2023-24	140-143
11	ANNEXURE R10: PAF Certificates issued by TSLDC for FY 2023-24 till October-23	144-157
12	ANNEXURE R11: Ministry of Power's directives dated 9.1.23 and 25.10.23	158-161
13	ANNEXURE-R11a: Communication to TSL dated 1.02.2024	162-172
14	ANNEXURE R12: List of the revised tables of the main Petition (Case 11 of 2023)	173-174
15	ANNEXURE R13: Revised tables of the main Petition (Case 11 of	175-226

	2023)	
16	ANNEXURE R14: Revised Operational parameters/GCV for FY 2023	227-228
17	ANNEXURE R15: Revised Operational parameters/GCV for FY 2024	229-230
18	ANNEXURE R16: Revised tariff model for FY 2023 in editable format	231
19	ANNEXURE R16a: Revised operational parameters/ GCV for FY 2023 in editable format	
20	ANNEXURE R17: Revised tariff model for FY 2024 in editable format	
21	ANNEXURE R17a: Revised operational parameters/ GCV for FY 2024 in editable format	
22	AFFIDAVIT	232-233

The point-wise replies to the queries raised in the letter No. 'JSERC/Case (Tariff) No. 11 of 2023/314' dated 17th January 2024, w.r.t. the petition for True-up of FY 2022-23 along with Annual Performance Review of FY 2023-24 for Unit # 2 & 3 of Jojobera Power Plant by the Hon'ble Commission are presented below:

Query 1

1. The Petitioner is required to provide the duly certified copy by auditor certifying Operational Parameters:

Reply

2. Tata Power humbly submits that Statutory Auditor certifies only the financial data. For Operational data, the petitioner has relied upon following documents/certificates. Such practice/approach has been followed in the past as well and has been duly considered by this Hon'ble Commission.

(a) Plant Availability: For Plant Availability, Tata Power, has relied upon the Monthly PAF Certificates issued by Tata Steel LDC. The PAF certificates has been enclosed as ANNEXURE P3 in the Main Petition. The same is not re-annexed herewith for sake of brevity and, hence, ANNEXURE P3 of the main petition may kindly be referred to.

(b) Monthly Generation and Auxiliary Power: For this, we have relied upon the monthly Generation Report which is duly signed by the representatives of Tata Steel, a long-term beneficiary & Tata Power. The generation reports, covering the auxiliary power parameters, are enclosed hereto and marked as **ANNEXURE R1** for kind perusal of the Hon'ble Commission.

(c) Coal GCV: Tata Power has appointed a third party for sampling and GCV measurement of Coal. Sample copy of the certificate has already been annexed as ANNEXURE-P8 in the Petition. The same has not been re-annexed with this submission for the sake of brevity. Hence, ANNEXURE P8 of the main petition may kindly be referred to. Based on such GCV; Daily, Monthly and Annual weighted average GCV is worked out considering quantity of the coal as weight.

(d) LDO GCV: Tata Power has appointed a third party for sampling and GCV Measurement of LDO. Sample copy of the certificate has already been annexed as ANNEXURE-P11 in the Petition and the same may kindly be referred to. In this regard, the Petitioner wishes to submit that there had been an inadvertent error in

the GCV of the LDO submitted in the Petition. The corrected values of the GCV of LDO are being submitted vide **ANNEXURE-R14 and ANNEXURE-R15** (Annexure P2c for FY 2023 and Annexure P22c for FY 2024 of the main petition, respectively) and consequently revised computation of the Energy Charge Rate is being submitted by the Petitioner at tables 11, 12 and 13 (for FY 2022-23) and at tables 83, 84 and 85 (For FY 2023-24) of the **ANNEXURE-13** along-with the instant submission.

(e) Transit Loss: For working out Transit loss of a particular rake, we take out the difference of the weight as per railway receipt (RR) and the weight as recorded at the weigh bridge inside the Premises of Tata Power. This exercise is carried out for each rake of a particular type of coal during the entire month and aggregated to arrive at monthly weighted average transit loss for that category of coal. Since the Petitioner is not seeking any relaxation in Transit loss and is claiming Transit loss as per the norms specified in the GTR 2020, the Petitioner requests Hon'ble Commission to approve the same.

(f) SHR: As stated above, GCV of each coal intake/rake is measured by a Third party/agency who is deployed at site by Tata Power. Based on the certified GCV value of coal and LDO, actual coal and LDO consumption, and actual generation for each unit, Tata power computes SHR. A computation sheet for SHR calculation is attached as **ANNEXURE R2** herewith for the kind reference of the Hon'ble Commission. Hon'ble Commission is requested to consider its consequent impact on the ARR also.

Query 2

3. The Petitioner is required to submit proper calculation of auxiliary power consumption of 74.94 MU in excel sheet.

Reply

4. Tata Power humbly submits that the auxiliary consumption in respect of Unit-2 for FY 2022-23 amounting to 74.94 MU has been depicted at Annexure P2a (Operational Parameters) of the Petition. The same has been arrived at as a summation of the monthly auxiliary power consumption in respect of Unit-2 as per the **Monthly Generation Report** duly signed by the representatives of Tata Steel,

a long-term beneficiary & Tata Power, already submitted herewith as ANNEXURE R1.

Query 3

5. As per the Annexure P2a of the petition, it is observed that the actual availability of Unit-3 for the month of Nov-2022 is 75.67%; which is significantly lesser than the normative availability of 85% as per regulation 16.1 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023. The Petitioner is required to provide the justification for such lower availability.

Reply

6. The actual availability of Unit-3 for the month of Nov-2022 is 75.67% which is lower than the normative availability of 85%. In this regard, the Petitioner most humbly submits that Unit-3 was under planned short shutdown from 09.11.2022 to 17.11.2022 for boiler recertification. As a result, the actual availability of Unit-3 was lower at 75.67% for the month of Nov-2022.

Query 4

7. It is also observed that in Unit-2 and Unit-3, landed price and GCV for the secondary Fuel Parameter for FY 2022-23 increases from Commission approved values as per MYT order. In this regard, the Petitioner is required to provide the justification for such deviation.

Reply

8. It is humbly submitted that landed price of LDO in the MYT Petition was proposed based on the Average Landed Price for the period Aug-20 to October-20 in terms of Generation Tariff Regulations, 2020. However, the actual Landed Price of LDO has been submitted now in the Petition for the purpose of True Up as per Regulation 17.8 and is allowable as pass through on actuals. The increase in price of LDO in FY 2023 compared to FY 2020 is basically due to market forces viz., increase in price internationally due to war, inflation etc. which is beyond the control of the Petitioner.

9. The same is also evident from the sample LDO Bills enclosed herewith for FY 2020-21 and FY 2022-23 and marked as **ANNEXURE R3(Colly)** for kind reference of the Hon'ble Commission.
10. As regard the GCV for the secondary Fuel for FY 2022-23, the Petitioner wishes to submit that there had been an inadvertent error in the GCV of the LDO submitted in the Petition. The corrected values of the GCV of LDO are being submitted vide **ANNEXURE-R14** and **ANNEXURE-R15** (Annexure P2c for FY 2023 and Annexure P22c for FY 2024 of the main petition, respectively) and consequently revised computation of the Energy Charge Rate is being submitted by the Petitioner at tables 11, 12 and 13 (for FY 2022-23) and at tables 83, 84 and 85 (for FY 2023-24) of the ANNEXURE-13 along-with the instant submission.

Query 5

11. It is observed that the Petitioner has claimed Rs. 3.174/ kWh and 3.155/ kWh against the Rs. 2.821/ kWh and Rs. 2.785/ kWh for unit-2 and unit-3 respectively. In this regard, the Petitioner is required to provide a detailed justification.

Reply

12. Tata Power humbly submits that the detailed justification for deviation in the Energy Charge Rate claimed by the Petitioner of Rs. 3.174/ kWh and 3.155/ kWh for Unit-2 and Unit-3 respectively, from Rs. 2.749/ kWh and 2.821/ kWh as approved for FY 2022-23 in the MYT Order have been discussed in detail in the Quarterly reports for the respective quarters of FY 2022-23 vide letters dated 30.9.2022, 30.12.2022, 31.3.2023 and 30.6.2023 submitted to the Hon'ble Commission and summarized in section D.2.1 of the Petition and not being repeated hear for the sake of brevity. The Quarterly Reports for all the quarters of FY 2022-23 have been already enclosed at Annexure P4 of the main petition, and the same may kindly be referred to.

Query 6

13. As per Table 6 and 7 of the Petition, it is observed that the CCL Shakti WIV for Unit 2 & Unit 3 are 28.44%% and 28.33% against the Commission-approve Value of Nil.

In this regard, the Petitioner is required to provide the reason for such changes/differences in Fuel Mix Value.

Reply

14. It is being humbly submitted that the reasons for which Petitioner had to consume coal from the sources other than the approved, have been presented for the kind consideration of the Hon'ble Commission vide the Quarterly reports for the respective quarters of FY 2022-23 vide letters dated 30.9.2022, 30.12.2022, 31.3.2023 and 30.6.2023 as referred above. The contents of the same have not been reproduced here for the sake of brevity.
15. With regard to increase of CCL SHAKTI WIV in mix it is submitted that it is part of supply under SHAKTI Allocations only considering the coal availability at the mines as decided by CCL and in terms of FSA. In terms of Schedule-II of FSA, seller that is CCL, is permitted to supply between **and/or beyond the indicative range of Grades** of the Coal and the same is beyond the control of the Petitioner. Relevant Extract of Schedule-II of FSA is extracted below for ready reference:

*"Schedule II
Quality of Coal*

<i>S.No.</i>	<i>Name and location of the Specified End Use Plant owned by the Purchaser</i>	<i>Top-size of coal (mm)</i>	<i>Indicative range of Grade(s)**</i>
1.	<i>The Tata Power Company Limited, 2x120 MW, Jojobera Power Plant (Unit 2 and Unit 3), PO Rahargora, Jamshedpur, 831016, Jharkhand, India</i>	<i>(-) 100 mm</i>	<i>G9-G14</i>

*****The actual supply pursuant to this Agreement may vary between and/or beyond the indicative range of Grades and the same shall not entail any quantity adjustment in any manner"***

16. Tata Power would like to submit that such supply has only enabled the Petitioner to meet the demand of beneficiaries at optimum cost with applicable SHAKTI Discount.
17. In view of foregoing, it is humbly submitted to the Hon'ble Commission to kindly

approve the Coal mix as proposed in the Petition for True up of FY 2022-23.

Query 7

18. The petitioner should provide statutory audited details of month-wise opening stock, fuel procured during the month, transit loss, utilization, and balance for coal and oil at the end of each month for the Generating plant for FY 2022-23 along with sample bills for each fuel source for each month.

Reply

19. It is submitted that Audited Monthly stock balance report for Coal and LDO duly certified by Statutory Auditor as directed above are being attached with the instant submission as **ANNEXURE R4 (Colly)** for kind reference of the Hon'ble Commission along-with sample coal bills.

Query 8

20. The petitioner should submit a copy of the monthly bill raised to the beneficiary for FY 2022-23.

Reply

21. The Audited billing summary for FY 2022-23 has been enclosed with the Petition as Annexure-P21. The monthly bills raised to beneficiary for FY 2022-23 are being enclosed herewith as **ANNEXURE-R5**. It is being humbly submitted that since the bill documents including all annexures for all the months would be voluminous, the main bill including the unit-wise summary and break-up of the billing amount of each month is being submitted herewith. However, as a specimen, the bill for the month of April-23 is enclosed with all its annexures.

Query 9

22. It is observed that the Petitioner has revised the number of employee for FY 2021-22 and FY 2022-23. In this regard, the Petitioner is required to submit the cadre wise employee expenses.

Reply

23. The cadre wise employee expenses as directed by the Hon'ble Commission are

being furnished as below:

Particulars	Employee Expenses (Amount Rs)		
	Management Cadre	Non-management Cadre	Total
Unit#2	79713870.54	12968586.67	92682457.21
Unit#3	79713870.54	12968586.67	92682457.21

Query 10

24. The Petitioner is required to submit the heads of O&M and miscellaneous expenses reconciling with an audited account of TPCL.

Reply

25. As directed, the heads of O&M Expenses reconciled with audited Accounts is provided in **ANNEXURE R6** of the instant submission for kind reference of the Hon'ble Commission.

Query 11

26. It is observed that the Petitioner has claimed water charges, capital spares, etc in O&M head which is against clause 15.46 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023. In this regard, the Petitioner is required to provide necessary justification.

Reply

27. It is being humbly submitted that the water charges, capital spares, etc are being depicted under the O&M head, since these items are consumable in nature, though these expenses are separately allowed on actual basis as per clause 15.46 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023. In this regard, it may further be mentioned here that the Petitioner has claimed the expenses segregating into two sub-heads, one for the normative expenses and other for the expenses allowable at actuals. Petitioner, accordingly requests the Hon'ble Commission to consider the claim of the Petitioner towards water charges and capital spares in terms of the clause 15.46 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023.

Query 12

28. It is observed that the Petitioner has claimed the combined operational savings. In this regard, the Petitioner is required to provide proper justification.

Reply

29. The Petitioner most humbly submits that in the instant petition, the Petitioner has proposed for determination of combined tariff in respect of Jojobera Unit-2 and 3 in terms of Regulation 11.2 of GTR 2020 which stipulates that in case of clearly identified capacity supplying power to the beneficiaries under LT PPA, Tariff for such capacity/ units is to be determined together. The aforesaid Regulation 11.2 is pari-materia same with Regulation 8(2) of CERC Tariff Regulations 2019 and CERC, accordingly, determines combined tariff for such identified Units of the station for Inter-State Generating Stations/Central Generating Stations of NTPC, DVC etc. As such in the same line, the Petitioner has submitted the proposal towards claim of the operational savings on combined basis.
30. It is further submitted that in addition to the combined tariff, the petitioner has also submitted unit-wise tariff/ ARR in the petition for the convenience of the Hon'ble Commission, in case the Hon'ble Commission prefers to go with unit-wise tariff determination. However, even in such scenario, wherein the Commission determines tariff/ ARR on unit-wise basis, the Petitioner has proposed for determination of the combined operational savings by invoking Commission's 'Power to Relax' as per regulation 33.1 of the tariff regulations. The detailed reasoning for claiming the combined operational savings have been brought out by the Petitioner at para 120 to para 124 of the Petition. The same is being summarily presented in following paragraphs for the kind consideration of the Hon'ble Commission.
31. It is submitted that the gain in O&M expenses accrues mainly due to savings in R&M expenses. Further, the savings in R&M expenses would accrue mainly due to the fact that the outage of Unit is undertaken in alternate years, which may also get advanced or deferred as per beneficiary's requirement. The Hon'ble Commission

would appreciate the fact that when there is a unit outage, additional R&M expenses are required as compared to the R&M expenses during the year without annual outage. In view of this fact, while Unit may have sufficient normative expense in the year with no outage, leading to savings in that year, 50% of the same would be passed on to the consumers. In the next year, the Petitioner would be required to incur higher R&M expenses than the norm because of annual outage of the Unit, which needs to be incurred from its pocket, since savings of the previous year is not available with it as it has already been shared as per the Regulations. As such, instead of savings, the Petitioner actually would incur loss not only in this year, but will also incur similar loss in the next year as the same phenomenon would happen with the Units interchanged.

32. In order to avoid this anomaly, the Petitioner proposes that for the purpose of sharing gains of O&M expense under Regulation 6.15 of GTR 2020, Hon'ble Commission may kindly consider the O&M expenses for both the Units combined together.

Query 13

33. The Commission in the earlier True-up Order, has computed the Revenue Gap/surplus to be adjusted/ recovered as per Tariff Regulations 2020. The Petitioner is required to depict the adjustment of the same during the FY in consonance with the Audited Financial statements.

Reply

34. The Hon'ble Commission passed MYT Order dated 04.11.2022 during FY 2022-23 including Truing-up of FY 2019-20. Pursuant to MYT Order and directions therein, the Petitioner settled the Revenue Gap/(Surplus) for FY 2019-20 and differential AFC i.e. AFC billed compared to approved for FY 2021-22 & FY 2022-23 with its beneficiary in FY 2022-23 as tabled below.

Amount Recovered from TSL as per MYT Order dated 04.11.2022				
Particulars	UoM	Unit 2	Unit 3	Total
FY 2019-20	Rs Crore	7.51	5.39	12.90
FY 2021-22*	Rs Crore	-5.49	0.73	-4.76
FY 2022-23(upto Oct-22)*	Rs Crore	-1.29	1.91	0.63
Total	Rs Crore	0.73	8.03	8.77

* Differential Fixed Charges

35. Such adjustments is evident from billing summary annexed as ANNEXURE P21 in the Petition. Also, letter dated 01.01.2023 sent to TSL regarding adjustment pursuant to MYT Order is enclosed hereto and marked as **ANNEXURE R7** for kind reference.
36. The reconciliation of Revenue billed as per billing summary and as per Audited Accounts is summarized in the Table below:

			Rs Cr.
Particulars	UNIT 2	UNIT 3	TOTAL
Monthly Billed Amount (Billing Summary)	348.04	348.41	696.45
Recovered/(Refunded) Amount as per MYT Order (Billing Summary)	0.73	8.03	8.77
Total Amount Billed (Billing Summary)	348.78	356.44	705.22
Regulatory Entries	-12.39	-12.17	-24.56
Rebate on Prompt payment discount	-7.89	-7.79	-15.68
Ind AS Adjustment	-11.56	-10.62	-22.18
Net Income Other than Other Operating Income	316.94	325.86	642.80
Less: Finance Lease Income	22.13	22.04	44.17
Operation Management Services- Assets Under Lease	294.81	303.82	598.63

Query 14

37. The Petitioner in Profit and Loss statement of audit accounts has claimed amount under miscellaneous expenses for both units. In this regard, the petitioner is required to provide the break-up of the same claimed.

Reply

38. As directed, the break-up of the miscellaneous expenses for both units is being

provided as below:

Miscellaneous Expenses (amount in Rs)	Unit 2	Unit 3
Registration Fees	45725.00	45725.00
Tata Brand Equity Fees	9328476.05	9597748.23
MISC-Miscellaneous Expenses	32000.00	32000.00
OE-Amount Written Off - Miscellaneous Expenses	(441647.01)	(443650.36)
Donations	6250.00	6250.00
Total	8970804.04	9238072.87

Data Gap on Annual Performance Review for FY 2023-24.

Query 15

39. The Petitioner is required to submit details of the Contract Agreement with all the coal suppliers from whom the coal is purchased during FY 2023-24.

Reply

40. It is humbly submitted that the Petitioner has already submitted the Fuel Supply Agreements between Petitioner & Coal India Limited (CIL) to the Hon'ble Commission vide additional submission dated 11.01.2023 in case (Tariff) no. 18 of 2022 at Annexure 17. The same have not been annexed herewith, since, the documents are quite voluminous. In addition to above, the Petitioner has also entered into the agreements for sourcing coal from West Bokaro Collieries and through e-auction organized by CIL. Sales Agreement between Tata Steel Limited & Tata Power for supply of Middling Coal, Reject Coal & Tailing Coal and allocation letters issued by CIL in terms of the e-auction for FY 24 is being annexed herewith as **ANNEXURE R8(Colly)** for kind reference of the Hon'ble Commission.

Query 16

41. The Petitioner is directed to submit the receipts of Coal from all its sources.

Reply

42. It is submitted that enclosing all the coal receipts will be too voluminous and, hence, sample receipts for FY 2023-24 are enclosed herewith and marked as **ANNEXURE**

R9(colly) for kind reference of the Hon'ble Commission. However, in case, if Hon'ble Commission still requires all the coal receipts for the FY, the same shall be provided accordingly.

Query 17

43. The Petitioner should submit the Availability Certificate of the Generating Plant as certified by the Appropriate Authority (example- SLDC).

Reply

44. It is humbly submitted that under the approved PPA, Tata Steel Load Dispatch Centre (TSLDC) which shall mean the Power Management Centre of the Tata Steel Limited is authorized to Monitor and Certify Plant Availability Factor (PAF) of the Generating Units of Jojobera Power Plant of Tata Power. PAF certified by TSLDC has also been considered by this Hon'ble Commission for previous years for approving the PAF of Unit 2 and Unit 3 and, hence, it is hereby requested to consider the same and approve the PAF of Unit 2 and Unit 3 for FY 23 as certified by TSLDC. PAF Certificates issued by TSLDC for FY 2023-24 till October-23 are attached herewith and marked as **ANNEXURE R10** for kind reference of the Hon'ble Commission.

Query 18

45. The Petitioner has deviated from the Coal Mix approved by the Commission in its MYT Order. Further, there is a sharp decrease in the percentage consumption of coal from Middling Coal, CCL Shakti R3, and a sharp increase in the CCL Shakti WIV, CCL SFA, and E-auction. In this regard, the Petitioner is required to submit the reasons for such deviation and exhibit the steps taken to secure a quality supply of coal from a reliable source and ensure optimum energy charge to its beneficiary.

Reply

46. It is humbly submitted that the detailed justification for deviation between the proposed fuel mix and approved fuel mix has already been provided in the Section E.2 of the main Petition and, therefore, it is not re-iterated here for the sake of brevity. With regard to steps taken to secure a quality supply of coal, Petitioner has entered into long term FSA with subsidiaries of CIL under Shakti Round 2 (About

4.64 Lakh MT) and Round 3 (About 5.77 Lakh MT) and benefits of the economical coal including the discount of 4 paise/kWh and 7 paise/kWh for generation corresponding to Shakti Round 2 and Round 3 is being passed on to end consumers. For the balance coal requirement, Tata Power relies on West Bokaro Collieries of TSL, E-Auction Coal, Private Washery Coal or Imported Coal depending upon the availability of the coal to meet the demand of Tata Steel Distribution Licensee. Reasons for variations have already been submitted in Q2 Report for FY 24.

47. It may also be noted that Ministry of Power (MoP) had recognized the shortage of domestic coal and advised generating stations to procure imported coal to meet shortfall. Till now, by resorting to FSA coal or other domestic sources, the Petitioner has averted the need of high cost imported coal and has optimized energy cost. Recently also, vide its letter dated 09.01.2023 and letter dated 25.10.2023, MoP has observed that with increasing power demand and supply of coal, there is an expectation that the domestic coal alone would not suffice the requirement, hence, all Generating Companies were directed to import coal for blending 6% (by weight) till Sept 2023 which was later extended till March 24. MoP's direction dated 09.01.2023 and dated 25.10.2023 is enclosed herewith and marked as **ANNEXURE R11 (Colly)** for ready reference of the Hon'ble Commission.
48. In view of above constraints as highlighted in section E.2 of the Petition and above recent direction of Ministry of Power, Tata Power may need to import coal for complying with the above direction for meeting the coal shortages. In view of the above, it is humbly submitted to the Hon'ble Commission to kindly approve the Coal mix as proposed in main Petition and the Petitioner shall update the Hon'ble Commission on impact on Energy Charges on account of imported coal or from other sources to bridge the scarcity of coal for upcoming months of the financial year in its quarterly reports and later in truing-up Petition for kind consideration of the Hon'ble Commission.

Query 19

49. It is observed that the GCV for LDO has sharply increased for Unit 2 and 3 against the approved GCV of LDO as claimed in MYT Order dated 14th Nov 2022. In this

regard, the Petitioner is directed to submit the justification for a sharp increase in the GCV of LDO.

Reply:

50. As has been submitted above at para 2(d) in reply to query-1, there had been an inadvertent error in the GCV of the LDO submitted in the Petition. The corrected values of the GCV of LDO for FY 2023-24 are being submitted vide **ANNEXURE-R15** (Annexure P22c of the main petition) and consequently revised projected computation of the Energy Charge Rate is being submitted by the Petitioner at tables 83, 84 and 85 of the ANNEXURE-13 along-with the instant submission.

Query 20

51. It is observed that for computation of Depreciation on Add Cap the Petitioner has considered the balance useful life of for Unit 2 as 3 years and Unit 3 as 4 years which is against clause 15.30 of the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulation 2020. In this regard, the Petitioner is required to provide the necessary justification.

Reply

52. Relevant regulation 15.30 is extracted hereunder for ready reference of Hon'ble Commission's reference.

"15.30 Depreciation shall be calculated annually, based on 'Straight Line Method' at rates specified in Appendix-I. The base value for the purpose of depreciation shall be original cost of the asset:

Provided that the Generating Company shall ensure that once the individual asset is depreciated to the extent of seventy (70) percent of the Book Value of that asset, remaining depreciable value as on March 31 of the year closing shall be spread over the balance useful life of the asset;

Provided that in case the tenure of PPA executed between the Generating plant and Beneficiaries is more than that of the Useful life of the plant, the Commission after prudence check may consider the PPA life for spreading the remaining depreciable value as on March 31 of the year instead of useful life;

Provided that in case after carrying out the residual life assessment, it is found that the residual life of the generating station or unit as the case may be is beyond the useful life specified in these regulations the Commission after prudence check, may spread the remaining depreciable value to be recovered over the extended life of the plant."

53. It is submitted that the as per Regulations 3.1(26) and 3.1(65) of the Generation Tariff Regulations 2020, 'existing project' and 'useful life' are defined as:

"26) "Existing project" means a generating station declared under commercial operation from a date prior to April 01, 2021;

...

65) "Useful life" in relation to a unit of a generating station from the COD shall mean the following, namely:-

- i. Coal/Lignite based thermal generating station - 25 years;*
- ii. Gas/Liquid fuel based thermal generating station - 25 years; and*
- iii. Hydro generating station – 35 years."*

54. It is hereby submitted that the Hon'ble Commission in the MYT Order dated 04.11.2022 has noted that the cumulative depreciation on total assets [i.e. GFA (Including Additional Capitalization)] has crossed 70% for both the Units 2 and 3, therefore, in accordance with Regulation 15.30, has spread the balance depreciable value (i.e. 90% of the Capital Cost minus Cumulative depreciation) over the balance useful life (taking useful life of 30 years as per term in PPA in terms of 2nd Proviso to Regulation) of the Plant.

55. However, the Petitioner, accordingly, in accordance with first proviso to Regulation 15.30 of Generation Tariff Regulations, 2020 read with Regulation 3.1 (26) and 3.1 (65), has calculated the depreciation for FY 24 by spreading the balance depreciable value over the useful life of 25 years to work out the balance life. Therefore, considering useful life of 25 years as specified in Regulation 3.1(65), balance useful life of Unit 2 works out 3 years and for Unit 3 it works out to 4 years. The proposal has been made considering this fact that for taking useful life beyond 25 years under 2nd proviso to Regulation 15.30, RLA study should indicate that all equipment can last till 30 years. Since RLA study has not yet been completed, it is not possible to say that useful life shall extend to 30 years.

56. It can be seen from the above that 1st proviso to Regulation 15.30 specifically provides for using useful life of the plant for spreading the depreciation and 2nd proviso permit considering the PPA life only after carrying out prudence check of the plant in order to consider the PPA life for spreading the remaining depreciable value instead of useful life. However, in the present case and while passing the MYT Order, the Hon'ble Commission has considered residual life based on PPA period

without conducting/assessing any residual life assessment of Units as has been envisaged and provided for in the Generation Tariff Regulations 2020.

57. In view of the Petitioner, assuming useful life of 30 years as per PPA term instead of 25 years (useful life) as provided in Regulation, that too in the absence of any residual life assessment of the Appellant's Plant is in deviation to Regulation 15.30 and therefore, Petitioner in terms of the Regulation 3.1(65) read with Regulation 15.30 claimed remaining useful life as 3 and 4 years for Unit 2 and 3 respectively.

Query 21

58. It is observed that the Petitioner has claimed water charges, capital spares etc in O&M head which is against clause 15.46 of the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulation 2020. In this regard, the Petitioner is required to provide the necessary justification.

Reply

59. It is being humbly submitted that the water charges, capital spares, etc are being depicted under the O&M head, since these items are consumable in nature, though these expenses are separately allowed on actual basis as per clause 15.46 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023. In this regard, it may further be mentioned here that the Petitioner has claimed the expenses segregating into two sub-heads, one for the normative expenses and other for the expenses allowable at actuals. Petitioner, accordingly requests the Hon'ble Commission to consider the claim of the Petitioner towards water charges and capital spares in terms of the clause 15.46 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023.

Additional Submission in Case (Tariff) No. 11 of 2023 (Present Petition) for kind consideration of the Hon'ble Commission for revision of ARR for True-up of FY 23:

60. With regard to Case (Tariff) No. 11 of 2023, the Petitioner humbly submits as following :
61. The above referred Petition (Case (Tariff) No. 11 of 2023) has been filed by the Petitioner for determination of Truing-up for FY 2022-23 and APR for FY 2023-24 for the sale of electricity to Tata Steel Limited as “Long-Term Beneficiary” from Unit 2 (120 MW) and Unit 3 (120 MW) of Jojobera Power Plant of Tata Power, vide affidavit dated 28.11.2023.
62. Earlier, Tata Power had filed MYT Petition on 01.12.2020 for approval of the Multi Year Tariff for 3rd Control Period FY 2021-22 to FY 2025-26 and True-up for the year 2019-20. Subsequent thereto, the Hon'ble Commission vide its Order dated 04.11.2022 disposed of the said Petition and approved MYT Business Plan and Tariff for 3rd Control Period along-with True-up for the 2019-20. The Petitioner had filed the Petition for review of the Order dated 04.11.2022 (Review Petition), which, along-with another petition filed for truing-up for FY 2021-22 based on an audited account on 31.03.2022 and APR for FY 2022-23 were under consideration of the Hon'ble Commission while the Petitioner filed the instant petition for determination of Truing-up for FY 2022-23 and APR for FY 2023-24.
63. Subsequently, the Hon'ble Commission, vide separate Orders, both dated 9.1.2024, disposed of the Review Petition as well as the Petition for Truing-up for FY 2021-22 and APR for FY 2022-23.
64. It is being humbly submitted that the Petitioner had filed the Petition for Truing-up for FY 2022-23 and APR for FY 2023-24 based on the Gross Block/ Depreciation/ Other parameters proposed by the Petitioner in the Petition for Truing-up for FY 2021-22 and APR for FY 2022-23, since the order for the same was pending.

65. Now, since the Orders in the above referred pending Petitions have been issued by the Hon'ble Commission, the opening values of the said parameters have changed, the Petitioner most humbly submits that the Petition for Truing-up for FY 2022-23 and APR for FY 2023-24 may kindly be allowed to be modified in line with the Orders issued by the Hon'ble Commission in respect of the following:

- i. Revision of Opening GFA, Opening Loan/ Equity as per Order dated 09.01.2024 for FY 2022-23 and FY 2023-24.
- ii. Revision in Depreciation for FY 2022-23 and FY 2023-24 based on cumulative depreciation till FY 2021-22 as approved by the Hon'ble Commission in Order dated 04.11.2022.
- iii. Revision in R&M expenses for FY 2022-23 and FY 2023-24 in line with the review Order.
- iv. Correction in respect of an inadvertent error in the GCV of the LDO as stated hereinabove at para 2(d) and consequent revision in the Energy Charges in respect of FY 2022-23 and FY 2023-24.
- v. Revision in Revenue Gap/ (Surplus) on account of the change in AFC for reasons stated as above and reconciliation/ settlement of the billings in respect of these years in terms of above Orders dated 09.01.2024 and 1st amendment to tariff regulations. In this regard, it may kindly be noted that pursuant to above orders and notification of 1st Amendment to Tariff Regulations, 2023, the Petitioner on 01.02.2024 has billed the amount as summarized in the Table below to be recovered in six installment covering following:
 - a) Revenue Gap/(Surplus) for FY 2019-20 in terms of Review Order dated 09.01.2024.
 - b) Revenue Gap/(Surplus) for FY 2021-22 in terms of True-up Order dated 09.01.2024.
 - c) Differential AFC of FY 2022-23 and FY 2023-34(Upto Dec 23) in terms of APR Order for FY 2022-23 and Review Order dated 09.01.2024.
 - d) Differential Energy Charges for FY 2022-23 and FY 2023-24(Upto Oct-23) on account of revised operational norms in terms of 1st Amendment

to Tariff Regulations, 2023.

66. In view of above submissions, the Petitioner has revised the ARR as proposed for FY 2022-23 and FY 2023-24 and summarized in the Table below for kind consideration and approval of the Hon'ble Commission and revenue gap/(surplus) with carrying cost thereof.

Amount billed as per Orders dated 9.01.2024 and 1st Amendment to Generation Tariff Regulations, 2020				
Particulars	UoM	Unit 2	Unit 3	Total
FY 2019-20	Rs Cr.	0.21	0.33	0.53
FY 2021-22*	Rs Cr.	4.04	1.22	5.26
FY 2022-23	Rs Cr.	9.91	11.09	20.99
FY 2023-24 (Upto Dec-23)	Rs Cr.	9.38	10.19	19.57

**duly taking into account the earlier adjustment of Rs. -5.49 Cr and Rs. 0.73 Cr pursuant to MYT Order dated 04.11.2022(as elaborated in response to query 13).*

67. The letter dated 01.02.2024 sent to TSL for recovery of above amount is annexed herewith and marked as **ANNEXURE R11a** for reference of the Hon'ble Commission.
68. The Petitioner humbly submits that in view of the above, it has revised the Revenue Gap/(Surplus) for FY 2022-23 considering the adjustments as tabulated below duly taking into account the time value of money and same is subject to recovery of amount billed now.

Particular	Unit-2	Unit-3
Revenue billed as per the main Petition	341.27	351.05
Less: Adjustment of FY-22	-5.49	0.73
Revenue recovered in FY-23	346.76	350.32
Revenue billed now for FY 23 (to be recovered in six instalments from Feb-24 to July-24)	9.91	11.09

69. In view of above submissions, the Petitioner has revised the Annual Revenue Requirement as proposed for FY 2022-23 and FY 2023-24 and summarized in the Table below for kind consideration and approval of the Hon'ble Commission and

revenue gap/(surplus) with carrying cost thereof.

Amount in Cr Rs

Sr. No	FY 2022-23	Unit 2	Unit 3	Unit 2&3 combined
1	Proposed Now	361.17	364.79	727.13
2	Submitted Earlier	356.75	361.12	718.97
3	Difference (1-2)	4.42	3.67	8.16

Amount in Cr Rs

Sr. No	FY 2023-24	Unit 2	Unit 3	Unit 2&3 combined
1	Proposed Now	370.76	360.78	732.81
2	Submitted Earlier	365.57	356.32	723.06
3	Difference (1-2)	5.19	4.46	9.75

70. The list of the tables from the main Petition which shall undergo a change have been annexed herewith and marked as **ANNEXURE R12**. The revised Tables are annexed under **ANNEXURE R13**.
71. The revised operational parameters for FY 2022-23 (Annexure P2a, P2c of Annexure-P2 of the main Petition) and FY 2023-24 (Annexure P2a, P2c of Annexure-P22 of the main Petition) are annexed as **ANNEXURE R14** and **ANNEXURE R15** respectively, for kind consideration of the Hon'ble Commission.
72. The revised Tariff Models in soft form/editable format for the FY 2022-23 and FY 2023-24 is enclosed as **ANNEXURE R16** and **ANNEXURE R17** respectively for kind reference of the Hon'ble Commission.
73. The revised operational parameters for FY 2022-23 (Annexure P2a, P2c of Annexure-P2 of the main Petition) and FY 2023-24 (Annexure P2a, P2c of Annexure-P22 of the main Petition) in soft form/editable format are enclosed as **ANNEXURE R16a** and **ANNEXURE R17a**.

Prayer:

The Petitioner humbly prays that considering above submissions and in consideration of the Prayers c(v), (e) and (f) under the Original Petition, the Hon'ble Commission may kindly approve the revised ARR for FY 2022-23, FY 2023-24 and oblige.



The Tata Power Company Limited

ANNEXURES

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Apr-22 12:00:00 AM
01-May-22 10:00:00 AM

TO: 30-Apr-22 12:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	2739055872	43	2756692480	43	17636608	0
PML- GEN # 2 (Check)	5487913472	59	5568150016	59	80236544	0
PML- GEN # 3 (CHECK)	6437394944	153	6514088960	153	76694016	0
PML- GEN # 4 (CHECK)	13474200576	409	13552905216	409	78704640	0
PML- GEN # 5	9403859968	228	9487702016	228	83842048	0
	Total Generation (PML)				337113856	
PML- GEN # 1 (G1B)	9174828032	357	9192471552	357	17643520	0
PML- GEN # 2 (G2B)	15289135104	490	15369078784	490	79943680	0
PML- GEN # 3 (G3B)	15575092224	550	15651671040	550	76578816	0
PML GEN # 4 (G4B)	873505472	17	952471488	17	78966016	0
PML GEN # 5 (G5B)	9398350848	1548	9482032128	1548	83681280	0
	Total Generation (Alpha)				336813312	
EXPORT						
PML- LINE # 1	9571800064	215008	9614587904	215008	42787840	0
PML- LINE # 2	871533186	671	907814608	671	36281422	0
PML- LINE # 3	8865813504	106689	8906303488	106689	40489984	0
PML- LINE # 4	3831944192	50311	3872139264	50311	40195072	0
PML- LINE # 5	5262213632	10415917	5280335360	10415917	17121278	0
PML- LINE # 6	1966718976	784	1989510272	784	22791296	0
PML- LINE # 7	1255373568	127736144	1273428736	127736144	18055168	0
PML- LINE # 8	1160439680	39296596	1178514048	39296596	18074368	0
PML- LINE # 9	3283528320	41	3316278784	41	32350464	0
	Total 132 KV export				269147342	
PML- 33 kV ST1	2879012864	2823	2892641536	2823	13628672	0
PML- 32 kV ST2	2235687168	8755	2249061632	8755	13374464	0
PML- 33 kV ST3	202648049	2102	211653278	2102	9005229	0
	Total 33 KV export				36008365	
PML- 132 kV ST1	3064697088	683198	3078120192	683198	13423104	0
PML- 132 kV ST2	2348984832	1346298	2363366144	1346298	14381312	0
PML- 132 kV ST3	2080019328	1995820	2091077888	1995820	11058560	0
	ST 132 KV total				38862976	
PML- 6.6 kV C1 (T1C)	38817399	866	38837550	866	20151	0
PML- 6.6 kV C2 (T2C)	78294757	93788	79522568	93788	1227811	0
PML- 6.6 kV C5 (T3C)	50271718	186	52616604	186	2344886	0
	Total 6.6 KV station load				3592848	
PML- 132 kV GT1 (G1A)	8089014272	8462	8104870400	8462	15856128	0
PML- 132 kV GT2 (G2A)	1319581512	32	1393736613	32	74155101	0
PML- 132 kV GT3 (G3A)	14262579200	2923	14333448192	2923	70868992	0
PML- 132 kV GT4 (G4A)	10262706176	18287	10334655584	18287	71953408	0
PML- 132 kV ICT1 (G5A)	6828003840	1214	6904683520	1214	76679680	0
	Total GT export at 132 KV				309513309	
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3594515	29	3697216	29	102701	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	49944848	383336	50065677	383335	120829	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	968580	6167915	990029	6167915	21449	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	671059	1682341	685897	1682341	14838	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	17734159	35514542	17955447	35514542	221288	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	37358055	15291956	37993662	15291956	635607	0
PML - 6.6 KV C1to C8 (TIE U5) T9	38701172	4012968	38835863	4012968	134691	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	37901622	1039	38300328	1039	398706	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	3882108	17	3882108	17	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4068318	55	4068318	55	0	0
PML - 6.6 KV U1A (Unit I/C U1)	41843031	3	42642998	3	799967	0
PML - 6.6 KV U1B (Unit I/C U1)	64842374	99	65663597	99	821223	0
PML - 6.6 KV U2A (Unit I/C U2)	80057111	46	83135307	46	3078196	0
PML - 6.6 KV U2B (Unit I/C U2)	5466999	112	7688176	112	2221177	0
PML - 6.6 KV U3A (Unit I/C U3)	42956836	28	45876450	28	2919614	0
PML - 6.6 KV U3B (Unit I/C U3)	32805348	210	35083772	210	2273424	0
PML - 6.6 KV U4A (Unit I/C U4)	95982843	55	98926848	55	2944005	0
PML - 6.6 KV U4B (Unit I/C U4)	71119170	0	74383389	0	3264219	0
PML - 6.6 KV U5A (Unit I/C U5)	8871674	0	2313494	0	3441820	0
PML - 6.6 KV U5B (Unit I/C U5)	5993666	0	9265550	0	3271884	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2140.16	0	2212.81	0	72650	0
	Total consumption by unit bus from Station				793214	
	(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load				-72650	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1533250		1549909		16659000	
Cummins feeder at Cummins end	60714		62987		2273000	
Lafarge feeder at Lafarge end	131452.98		148495.1677		17042188	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1559839	1578870	22837200	MF 1200000		
Lin # 9 SECURE METER Reading	3403.63	3436.12	32490000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	11354112	15.77	Generator # 4 reactive	45003456	62.50	
Generator # 2 reactive	28717568	39.89	Generator # 5 reactive	31273984	43.44	
Generator # 3 reactive	36128256	50.18				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	19597571	2	19617859	2	20288	0
Air Comp 1B (U1B Bus)	18326868	3	18429126	3	102258	0
Air Comp 2A (U2A Bus)	11388196	78921552	11679193	78921552	290997	0
Air Comp 2B (C3 Bus)	6690621	19276814	6938319	19276814	247698	0
Air Comp 2C (U3A Bus)	82256089	329	82402859	329	146770	0
Air Comp 4A (U 4A Bus)	24765826	1681	24932057	1681	166231	0
Air Comp 4B (U 4B Bus)	38067928	2	38500729	2	432801	0
Air Comp 5B (U5B Bus)	50115884	3727	50567126	3727	451242	0
			Total Comp Load		1858285	
CLPH unit # 1 Readings						
CLPH INC 1	14317.46	10	14410.31	10	92853	0
CLPH INC 2	10269.38	16	10367.68	16	98297	0
CT FAN BUS A SIDE	5769.41	16294	5803.82	16294	34405	0
CT FAN BUS B SIDE	5804.11	0	5825.16	0	21053	0
Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)					135692	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT FROM: 01-Apr-22 12:00:00 AM TO: 30-Apr-22 12:00:00 AM Sheet 2 of 2
Report Generated on : 01-May-22 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3665498	Total station to unit tie load	793214	3144469	< allocated load	
Total Compressor load on units	1610587	Total common load on CLPH bus for allocation		135692		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	17643520	79943680	76578816	78966016	83681280	336813312
Unit Load	1727051	5795074	5709824	6680452	7001600	26914001
Compressor Load allocation	84368	382278	366188	377603	400150	1610587
CLPH load allocation	7108	32207	30851	31813	33713	135692
Corrected Unit Load	1560290	5918562	5960093	6490836	6984221	26914001
% Unit Consumption	8.84	7.40	7.78	8.25	8.35	7.99%
Allocated Station Load	164719	746349	714935	737222	781243	3144469
Station to unit consumption	223530	0	36287	0	254717	514534
Total station load for each unit	388249	746349	751222	737222	1035960	3659003
% station load	2.20%	0.93%	0.98%	0.93%	1.24%	1.09%
Total Aux. consumed by unit	1948538	6664911	6711315	7228058	6020182	30573004
% of Aux. Consumption	11.04%	8.34%	8.76%	9.15%	9.58%	9.08%
Deemed PLF	43.30%	100.00%	99.24%	100.00%	100.00%	
P L F %	36.30%	92.53%	88.63%	91.40%	96.85%	85.44%

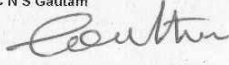
Tisco Representative

TPCL Representative

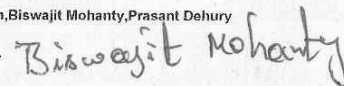
Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature



Signature



Date & Time

01-May-22 10:00:00 AM

Date & Time

01-May-22 10:00:00 AM

The Above calculations are made on he basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1,2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load , for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportionated to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportionated to units on the basis of generation. **Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.**

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT

FROM: 01-May-22 12:00:00 AM

TO: 31-May-22 12:00:00 AM

Report Generated on: 01-Jun-22 10:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	2756692480	43	2798195968	43	41503488	0
PML- GEN # 2 (Check)	5568150016	59	5642520064	59	74370048	0
PML- GEN # 3 (CHECK)	6514088960	153	6595083264	153	80994304	0
PML- GEN # 4 (CHECK)	13552905216	409	13626062848	409	73157632	0
PML- GEN # 5	9487702016	228	9570461696	228	82759680	0
Total Generation (PML)					352785152	
PML- GEN # 1 (G1B)	9192471552	357	9233994752	357	41523200	0
PML- GEN # 2 (G2B)	15369078784	490	15443172352	490	74093568	0
PML- GEN # 3 (G3B)	15651671040	550	15732536320	550	80865280	0
PML GEN # 4 (G4B)	952471488	17	1025881012	17	73409524	0
PML GEN # 5 (G5B)	9482032128	1548	9564635136	1548	82603008	0
Total Generation (Alpha)					352494580	
EXPORT						
PML- LINE # 1	9614587904	215008	9659078656	215008	44490752	0
PML- LINE # 2	907814608	671	952951812	671	45137204	0
PML- LINE # 3	8906303488	106689	8949792768	106689	43489280	0
PML- LINE # 4	3872139264	50311	3914052864	50311	41913600	0
PML- LINE # 5	5280335360	10415917	5304172544	10415917	23837184	0
PML- LINE # 6	1989510272	784	2012712064	784	23201792	0
PML- LINE # 7	1273428736	127736144	1288822144	127736144	15393408	0
PML- LINE # 8	1178514048	39296596	1194376576	39296596	15862528	0
PML- LINE # 9	3316278784	41	3346887168	41	30608384	0
Total 132 KV export					283934132	0
PML- 33 kv ST1	2892641536	2823	2901336320	2823	8694784	0
PML- 33 kv ST2	2249061632	8755	2263576320	8755	14514688	0
PML- 33 kv ST3	211653278	2102	222622970	2102	10969692	0
Total 33 KV export					34179164	0
PML- 132 kv ST1	3078120192	683198	3086653440	683198	8533248	0
PML- 132 kv ST2	2363366144	1346298	2379016192	1346298	15650048	0
PML- 132 kv ST3	2091077888	1995820	2104379648	1995820	13301760	0
ST 132 KV total					37485056	0
PML- 6.6 kv C1 (T1C)	38837550	866	38837731	866	181	0
PML- 6.6 kv C2 (T2C)	79522568	93788	80884633	93788	1362065	0
PML- 6.6 kv C5 (T3C)	52616604	186	55141534	186	2524930	0
Total 6.6 KV station load					3887176	0
PML- 132 kv GT1 (G1A)	8104870400	8462	8142432256	8462	37561856	0
PML- 132 kv GT2 (G2A)	1393736613	32	1462340541	32	68603928	0
PML- 132 kv GT3 (G3A)	14333448192	2923	14408208384	2923	74760192	0
PML- 132 kv GT4 (G4A)	10334659584	18287	10401382400	18287	66722816	0
PML- 132 kv ICT1 (G5A)	6904683520	1214	6980136448	1214	75452928	0
Total GT export at 132 KV					323101720	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3697216	29	3725406	29	28190	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50065677	383335	50088605	383335	22928	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	990029	6167915	990029	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	685897	1682341	685897	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	17955447	35514542	18206877	35514542	251430	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	37993662	15291956	38723834	15291956	730172	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	38835863	4012968	38983281	4012968	147418	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	38300328	1039	38790433	1039	490105	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	3882108	17	3882108	17	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4068318	55	4068318	55	0	0
PML - 6.6 KV U1A (Unit I/C U1)	42642998	3	44588726	3	1945728	0
PML - 6.6 KV U1B (Unit I/C U1)	65663597	99	67305378	99	1641781	0
PML - 6.6 KV U2A (Unit I/C U2)	83135307	46	85963359	46	2828052	0
PML - 6.6 KV U2B (Unit I/C U2)	7688176	112	9987832	112	2299656	0
PML - 6.6 KV U3A (Unit I/C U3)	45876450	28	48999792	28	3123342	0
PML - 6.6 KV U3B (Unit I/C U3)	35083772	210	37555151	210	2471379	0
PML - 6.6 KV U4A (Unit I/C U4)	98926848	55	1914080	55	2987232	0
PML - 6.6 KV U4B (Unit I/C U4)	74383389	0	77353833	0	2970444	0
PML - 6.6 KV U5A (Unit I/C U5)	2313494	0	5772710	0	3459216	0
PML - 6.6 KV U5B (Unit I/C U5)	9265550	0	2637386	0	3371836	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2212.81	0	2376.89	0	164080	0
Total consumption by unit bus from Station					688641	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-164080	

33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1549909		1564988		15079000	
Cummins feeder at Cummins end	62987		65204		2217000	
Lafarge feeder at Lafarge end	148495.1677		165546.7461		17051578	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1578870	1598213	23211600	MF 1200000		
Lin # 9 SECURE METER Reading	3436.12	3466.92	30800000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				
Generator # 1 reactive	25281024	33.98	Generator # 4 reactive		43830336	58.91
Generator # 2 reactive	22701056	30.51	Generator # 5 reactive		31816192	42.76
Generator # 3 reactive	39218176	52.71				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	19617859	2	19631765	2	13906	0
Air Comp 1B (U1B Bus)	18429126	3	18480348	3	51222	0
Air Comp 2A (U2A Bus)	11679193	78921552	11789588	78921552	110395	0
Air Comp 2B (C3 Bus)	6938319	19276814	7212321	19276814	274002	0
Air Comp 2C (U3A Bus)	82402859	329	82700954	329	298095	0
Air Comp 4A (U 4A Bus)	24932057	1681	25023147	1681	91090	0
Air Comp 4B (U 4B Bus)	38500729	2	38916640	2	415911	0
Air Comp 5B (U5B Bus)	50567126	3727	51119954	3727	552828	0
			Total Comp Load		1807449	
CLPH unit # 1 Readings						
CLPH INC 1	14410.31	10	14575.80	10	165485	0
CLPH INC 2	10367.68	16	10467.59	16	99905	0
CT FAN BUS A SIDE	5803.82	16294	5881.85	16294	78034	0
CT FAN BUS B SIDE	5825.16	0	5888.63	0	63469	0
Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)					123887	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-May-22 12:00:00 AM TO: 31-May-22 12:00:00 AM
Report Generated on: 01-Jun-22 10:00:00 AM

Total Station Load (C1 + C2+ C5)	4051256	Total station to unit tie load	688641	3700929	< allocated load	
Total Compressor load on units	1533447	Total common load on CLPH bus for allocation	123887			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	41523200	74093568	80865280	73409524	82603008	352494580
Unit Load	3836648	5499833	6105088	6396622	7150080	28988271
Compressor Load allocation	180637	322327	351786	319351	359345	1533447
CLPH load allocation	14594	26041	28421	25800	29031	123887
Corrected Unit Load	3842864	5737806	6187200	6234772	6985629	28988271
% Unit Consumption	9.25	7.74	7.65	8.52	8.46	8.22%
Allocated Station Load	435962	777927	849025	770745	867270	3700929
Station to unit consumption	51118	0	0	0	289016	340134
Total station load for each unit	487080	777927	849025	770745	1156286	4041063
% station load	1.17%	1.05%	1.05%	1.05%	1.40%	1.15%
Total Aux. consumed by unit	4329945	6515733	7036224	7005517	8141915	33029334
% of Aux. Consumption	10.43%	8.79%	8.70%	9.54%	9.86%	9.37%
Deemed PLF	96.88%	100.00%	100.00%	100.00%	100.00%	
PLF %	82.68%	82.99%	90.57%	82.22%	92.52%	86.54%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature

Date & Time 6/6/22 A.K.Ari 01-Jun-22 10:00:00 AM

Date & Time 01.06.2022 01-Jun-22 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Jun-22 12:00:00 AM
01-Jul-22 10:00:00 AM

TO: 30-Jun-22 12:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	2798195968	43	2839816704	43	41620736	0
PML- GEN # 2 (Check)	5642520064	59	5722310656	59	79790592	0
PML- GEN # 3 (CHECK)	6595083264	156	6671398400	156	76315136	0
PML- GEN # 4 (CHECK)	13626062848	409	13700324352	409	74261504	0
PML- GEN # 5	9570461696	228	9653124096	228	82662400	0
Total Generation (PML)					354650368	
PML- GEN # 1 (G1B)	9233994752	357	9275631616	357	41636864	0
PML- GEN # 2 (G2B)	15443172352	490	15522666496	490	79494144	0
PML- GEN # 3 (G3B)	15732536320	550	15808728064	550	76191744	0
PML GEN # 4 (G4B)	25881012	17	100406032	17	74525020	0
PML GEN # 5 (G5B)	9564635136	1548	9647136768	1548	82501632	0
Total Generation (Alpha)					354349404	
EXPORT						
PML- LINE # 1	9659078656	215008	9704839168	215008	45760512	0
PML- LINE # 2	952951812	671	998335839	671	45384027	0
PML- LINE # 3	8949792768	106689	8993657856	106689	43865088	0
PML- LINE # 4	3914052864	50311	3957418752	50311	43365888	0
PML- LINE # 5	5304172544	10415917	5328675328	11040706	24502784	624789
PML- LINE # 6	2012712064	784	2035883264	785	23171200	1
PML- LINE # 7	1288822144	127736144	1303859072	127736144	15036928	0
PML- LINE # 8	1194376576	39296596	1209684736	39296596	15308160	0
PML- LINE # 9	3346887168	41	3377091584	41	30204416	0
Total 132 KV export					286599003	624790
PML- 33 KV ST1	2901336320	2823	2913496064	2823	12159744	0
PML- 33 KV ST2	2263576320	8755	2275943936	8755	12367616	0
PML- 33 KV ST3	222622970	2102	231425906	2102	8802936	0
Total 33 KV export					33330296	0
PML- 132 kv ST1	3086653440	683198	3098578176	683203	11924736	5
PML- 132 kv ST2	2379016192	1346298	2392501760	1346302	13485568	4
PML- 132 kv ST3	2104379648	2001706	2115453824	2001706	11074176	0
ST 132 KV total					36484480	9
PML- 6.6 kv C1 (T1C)	38837731	866	38837731	866	0	0
PML- 6.6 kv C2 (T2C)	80884633	93788	82236185	93788	1351552	0
PML- 6.6 kv C5 (T3C)	55215426	186	57734205	186	2518779	0
Total 6.6 KV station load					3870331	0
PML- 132 kv GT1 (G1A)	8142432256	8498	8180061184	8498	37628928	0
PML- 132 kv GT2 (G2A)	1462340541	32	1536075294	32	73734753	0
PML- 132 kv GT3 (G3A)	14408208384	2923	14478697472	2929	70489088	6
PML- 132 kv GT4 (G4A)	10401382400	18287	10469087232	18287	67704832	0
PML- 132 kv ICT1 (G5A)	6980136448	1214	7055437312	1214	75300864	0
Total GT export at 132 KV					324858465	6
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3725406	29	3733138	37	7732	8
PML - 6.6 KV C2 to U1B (TIE U1) T2	50088605	383335	50099113	383335	10508	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	990029	6167915	990029	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	685897	1682341	685897	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	18206877	35514542	18444921	35514542	238044	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	38746046	15291956	39458698	15291956	712652	0
PML - 6.6 KV C1to C8 (TIE U5) T9	38983281	4012968	39137225	4012968	153944	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	38790433	1039	39336366	1039	545933	0
PML - 6.6 KV C6 to U4A (TIE U3)T5	3882108	17	3882108	17	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4068318	55	4068318	55	0	0
PML - 6.6 KV U1A (Unit I/C U1)	44588726	26	46417251	26	1828525	0
PML - 6.6 KV U1B (Unit I/C U1)	67305378	115	69109614	115	1804236	0
PML - 6.6 KV U2A (Unit I/C U2)	85963359	46	89159054	46	3195695	0
PML - 6.6 KV U2B (Unit I/C U2)	9987832	112	12156325	112	2168493	0
PML - 6.6 KV U3A (Unit I/C U3)	48999792	28	51824000	28	2824208	0
PML - 6.6 KV U3B (Unit I/C U3)	37555151	0	39956265	0	2401114	0
PML - 6.6 KV U4A (Unit I/C U4)	1914080	55	5362798	55	3448718	0
PML - 6.6 KV U4B (Unit I/C U4)	77353833	0	79937057	0	2583224	0
PML - 6.6 KV U5A (Unit I/C U5)	5772710	0	9065158	0	3292448	0
PML - 6.6 KV U5B (Unit I/C U5)	2637386	0	6139556	0	3502170	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2376.89	0	2482.54	0	105650	8
Total consumption by unit bus from Station					718117	8
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-105650	


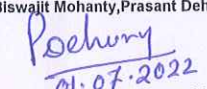
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1564988		1578950		13962000	
Cummins feeder at Cummins end	65204		67398		2194000	
Lafarge feeder at Lafarge end	165546.7461		182628.69		17081944	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1593213	1617545	23198400	MF 1200000		
Lin # 9 SECURE METER Reading	3466.92	3498.26	31340000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				
Generator # 1 reactive	26138112	36.30	Generator # 4 reactive	47503680	65.98	
Generator # 2 reactive	23318016	32.39	Generator # 5 reactive	31129600	43.24	
Generator # 3 reactive	37448192	52.01				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	19631765	2	19632239	2	474	0
Air Comp 1B (U1B Bus)	18480348	3	18611691	3	131343	0
Air Comp 2A (U2A Bus)	11971169	78921552	12203029	78921552	231860	0
Air Comp 2B (C3 Bus)	7224257	19276814	7494869	19276814	270612	0
Air Comp 2C (U3A Bus)	82700954	329	82905929	329	204975	0
Air Comp 4A (U 4A Bus)	25023147	1682	25145958	1682	122811	0
Air Comp 4B (U 4B Bus)	38916640	3	39318650	3	402010	0
Air Comp 5B (U5B Bus)	51119954	3727	51667617	3727	547663	0
			Total Comp Load		1911748	
CLPH unit # 1 Readings						
CLPH INC 1	14575.80	10	14712.76	10	136967	0
CLPH INC 2	10467.59	16	10585.39	16	117800	0
CT FAN BUS A SIDE	5881.85	16294	5958.50	16294	76652	0
CT FAN BUS B SIDE	5888.63	0	5964.07	0	75441	0
	Common Load on CLPH Unit 1 (inc 1 + inc 2 - CT fan bus A - CT fan bus B)				102674	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Jun-22 12:00:00 AM TO: 30-Jun-22 12:00:00 AM
Report Generated on: 01-Jul-22 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3975981	Total station to unit tie load	718117	3653396	< allocated load	
Total Compressor load on units	1641136	Total common load on CLPH bus for allocation	102674			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	41636864	79494144	76191744	74525020	82501632	354349404
Unit Load	3882582	5769584	5702656	6477511	7200768	29033101
Compressor Load allocation	192837	368170	352875	345156	382099	1641136
CLPH load allocation	12064	23034	22077	21594	23905	102674
Corrected Unit Load	3852993	5928927	5872633	6319440	7059109	29033101
% Unit Consumption	9.25	7.46	7.71	8.51	8.56	8.19%
Allocated Station Load	429282	819597	785548	768364	850604	3653396
Station to unit consumption	18240	0	0	0	304345	322585
Total station load for each unit	447522	819597	785548	768364	1154949	3975981
% station load	1.07%	1.03%	1.03%	1.03%	1.40%	1.12%
Total Aux. consumed by unit	4300515	6748524	6658181	7087804	8214058	33009082
% of Aux. Consumption	10.33%	8.49%	8.74%	9.51%	9.96%	9.32%
Deemed PLF	99.52%	100.00%	100.00%	100.00%	99.53%	
P L F %	85.67%	92.01%	88.18%	86.26%	95.49%	89.89%

Tisco Representative	TPCL Representative
Name: Mr. C N S Gautam	Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury
Signature 	Signature 
Date & Time 01-Jul-22 10:00:00 AM	Date & Time 01-Jul-22 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1,2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Jul-22 12:00:00 AM
01-Aug-22 10:00:00 AM

TO: 31-Jul-22 12:00:00 AM

Sheet 1 of 2

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	2839818704	43	2889514496	43	29697792	0
PML- GEN # 2 (Check)	5722310666	59	5798231040	59	75920384	0
PML- GEN # 3 (CHECK)	6671398400	156	6752649216	156	81250816	0
PML- GEN # 4 (CHECK)	13700324352	409	13776010240	409	76885888	0
PML- GEN # 5	9653124096	228	9739908048	228	86781952	0
Total Generation (PML)					349336832	0
PML- GEN # 1 (G1B)	9275631616	357	9305321472	357	29689856	0
PML- GEN # 2 (G2B)	15522666496	490	15598302208	490	75635712	0
PML- GEN # 3 (G3B)	15808728064	550	15889847296	550	81119232	0
PML GEN # 4 (G4B)	100406032	17	176351248	17	75945216	0
PML GEN # 5 (G5B)	9647136768	1548	9733738496	1548	86601728	0
Total Generation (Alpha)					348991744	0
EXPORT						
PML- LINE # 1	9704839168	216008	9747691520	216008	42852352	0
PML- LINE # 2	998335839	671	1040819545	671	42483706	0
PML- LINE # 3	8993657866	106689	9034793984	106689	41136128	0
PML- LINE # 4	3957418752	50311	3997727488	50311	40308736	0
PML- LINE # 5	5328675328	11040706	5354380800	11139910	25705472	99204
PML- LINE # 6	2035883264	785	2055973888	785	20090624	0
PML- LINE # 7	1303859072	127736144	1320992640	127736144	17133568	0
PML- LINE # 8	1209684736	39296596	1227140352	39296596	17455616	0
PML- LINE # 9	3377091584	41	3409877760	41	32786176	0
Total 132 KV export					279952378	99204
PML- 33 kV ST1	2913496064	2823	2926615552	2823	13119488	0
PML- 33 kV ST2	2275943936	8755	2288859648	8755	12915712	0
PML- 33 kV ST3	231425906	2102	240069636	2102	8643730	0
Total 33 KV export					34678930	0
PML- 132 KV ST1	3098578176	683198	3111499776	683203	12921600	5
PML- 132 KV ST2	2392501760	1346298	2406773248	1346302	14271488	4
PML- 132 KV ST3	2115453824	2001706	2126250112	2001706	10796288	0
ST 132 KV total					37989376	9
PML- 6.6 KV C1 (T1C)	38837731	866	38837731	866	0	0
PML- 6.6 KV C2 (T2C)	82236185	93788	83777476	93788	1541291	0
PML- 6.6 KV C5 (T3C)	57734205	186	60160277	186	2426072	0
Total 6.6 KV station load					3967363	0
PML- 132 KV GT1 (G1A)	8180061184	8498	8206135808	8498	26074624	0
PML- 132 KV GT2 (G2A)	1536075294	32	1606097290	32	70021996	0
PML- 132 KV GT3 (G3A)	14478697472	2923	14553925632	2929	75228160	6
PML- 132 KV GT4 (G4A)	10469087232	18287	10538320896	18287	69233664	0
PML- 132 KV ICT1 (G6A)	7055437312	1214	7134584832	1214	79147520	0
Total GT export at 132 KV					319705964	6
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3733138	29	3791102	37	57964	8
PML - 6.6 KV C2 to U1B (TIE U1) T2	50099113	383335	50152529	383335	53416	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	990029	6167915	996302	6167915	6273	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	685897	1682341	692182	1682341	6285	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	18444921	35514542	18749821	35514542	304900	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	39458698	15291956	40201359	15291956	742661	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	39137225	4012968	39267562	4012968	130337	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	39336366	1039	39862552	1039	526186	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	3882108	17	3981736	17	99628	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4068318	55	4115546	55	47228	0
PML - 6.6 KV U1A (Unit I/C U1)	46417251	26	48022884	26	1605633	0
PML - 6.6 KV U1B (Unit I/C U1)	69109614	115	70965927	115	1856313	0
PML - 6.6 KV U2A (Unit I/C U2)	89159054	46	92168090	46	3009036	0
PML - 6.6 KV U2B (Unit I/C U2)	12156325	112	14395067	112	2238742	0
PML - 6.6 KV U3A (Unit I/C U3)	51824000	28	54733812	28	2909812	0
PML - 6.6 KV U3B (Unit I/C U3)	39956265	0	42397309	0	2441044	0
PML - 6.6 KV U4A (Unit I/C U4)	5362798	55	8864872	55	3502074	0
PML - 6.6 KV U4B (Unit I/C U4)	79937057	0	82405063	0	2468006	0
PML - 6.6 KV U5A (Unit I/C U5)	9065158	0	2505692	0	3440534	0
PML - 6.6 KV U5B (Unit I/C U5)	6139556	0	9762855	0	3623299	0
C1 - BPRS 6.6 KV Feeder F1	016.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2482.54	0	2483.80	0	1260	0
Total consumption by unit bus from Station					927317	8
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1260	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1578950		1593137		14187000	
Cummins feeder at Cummins end	67398		69772		2374000	
Lafarge feeder at Lafarge end	182628.69		200749.165		18120475	
132 KV line 9 and 8 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1617545	1634329	20140800	MF 1200000		
Lin # 9 SECURE METER Reading	3498.26	3630.29	32030000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	26069568	33.70	Generator # 4 reactive	41708864	56.06	
Generator # 2 reactive	23090688	31.04	Generator # 5 reactive	31913472	42.89	
Generator # 3 reactive	40758272	54.78				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	19632239	2	19844816	2	212677	0
Air Comp 1B (U1B Bus)	18611691	3	18697090	3	86399	0
Air Comp 2A (U2A Bus)	12203029	78921652	12474964	78921652	271936	0
Air Comp 2B (C3 Bus)	7494869	19276814	7730658	19276814	236789	0
Air Comp 2C (U3A Bus)	82905929	329	82994516	329	88587	0
Air Comp 4A (U 4A Bus)	25145958	1682	25284993	1682	139035	0
Air Comp 4B (U 4B Bus)	39318650	3	39714719	3	396069	0
Air Comp 5B (U6B Bus)	51667617	3727	52249166	3727	581549	0
Total Comp Load					2010940	
CLPH unit # 1 Readings						
CLPH INC 1	14712.76	10	14825.64	10	112880	0
CLPH INC 2	10586.39	16	10723.63	16	138240	0
CT FAN BUS A SIDE	5958.50	16294	6032.42	16294	73920	0
CT FAN BUS B SIDE	5964.07	0	6039.94	0	75862	0
Common Load on CLPH Unit 1 (Inc1 + Inc 2 - CT fan bus A - CT fan bus B)					101338	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT FROM: 01-Jul-22 12:00:00 AM TO: 31-Jul-22 12:00:00 AM Sheet 2 of 2
Report Generated on : 01-Aug-22 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3968623	Total station to unit tie load	927317	3454367	< allocated load	
Total Compressor load on units	1775151	Total common load on CLPH bus for allocation	101338			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	29689856	75635712	81119232	75945216	86601728	348991744
Unit Load	3640085	5613716	5891072	6424195	7454208	29023276
Compressor Load allocation	151018	384722	412614	386296	440501	1775151
CLPH load allocation	8621	21963	23555	22052	25147	101338
Corrected Unit Load	3400410	5748466	6238654	6297440	7338307	29023276
% Unit Consumption	11.45	7.60	7.69	8.32	8.47	8.32%
Allocated Station Load	293874	748652	802929	751716	857195	3454367
Station to unit consumption	111380	0	12558	146856	243462	514256
Total station load for each unit	405254	748652	815487	898572	1100657	3968623
% station load	1.36%	0.99%	1.01%	1.19%	1.27%	1.14%
Total Aux. consumed by unit	3805664	6497118	7054141	7196012	8438964	32991899
% of Aux. Consumption	12.82%	8.59%	8.70%	9.48%	9.74%	9.45%
Deemed PLF	92.98%	100.00%	99.66%	91.88%	100.00%	
PLF %	59.12%	84.72%	90.86%	85.06%	97.00%	85.68%

Tisco Representative		TPCL Representative	
Name: Mr. C N S Gautam		Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury	
Signature: <i>Am</i>		Signature: <i>Biswajit Mohanty</i>	
Date & Time: 01-Aug-22 10:00:00 AM		Date & Time: 01-Aug-22 10:00:00 AM	

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6% of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 i.e. T1C, T2C, T3C less tie loading of each unit as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT

FROM: 01-Aug-22 12:00:00 AM

TO: 31-Aug-22 12:00:00 AM

Report Generated on :

01-Sep-22 10:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	2869514496	55	2891209216	55	21694720	0
PML- GEN # 2 (Check)	5798231040	59	5870573568	59	72342528	0
PML- GEN # 3 (CHECK)	6752649216	158	6833846272	158	81197056	0
PML- GEN # 4 (CHECK)	13776010240	414	13857506304	414	81496064	0
PML- GEN # 5	9739906048	228	9828410368	228	88504320	0
Total Generation (PML)					345234688	
PML- GEN # 1 (G1B)	9305321472	370	9327015936	370	21694464	0
PML- GEN # 2 (G2B)	15598302208	490	15670353920	490	72051712	0
PML- GEN # 3 (G3B)	15889847296	554	15970920448	554	81073152	0
PML GEN # 4 (G4B)	176351248	23	258130704	23	81779456	0
PML GEN # 5 (G5B)	9733738496	1548	9822075904	1548	88337408	0
Total Generation (Alpha)					344936192	
EXPORT						
PML- LINE # 1	9747691520	215008	9790827520	215008	43136000	0
PML- LINE # 2	1040819545	671	1083267892	671	42448347	0
PML- LINE # 3	9034793984	106689	9075805184	106689	41011200	0
PML- LINE # 4	3997727488	50311	4038812928	50311	41085440	0
PML- LINE # 5	5354380800	11139910	5381945856	11140850	27565056	940
PML- LINE # 6	2055973888	785	2074528384	785	18554496	0
PML- LINE # 7	1320992640	127736144	1337867264	127736144	16874624	0
PML- LINE # 8	1227140352	39296596	1244348800	39296596	17208448	0
PML- LINE # 9	3409877760	41	3440378112	41	30500352	0
Total 132 KV export					278383963	940
PML- 33 kV ST1	2926615552	2823	2938801920	2823	12186368	0
PML- 33 kV ST2	2288859648	8755	2300875008	8755	12015360	0
PML- 33 kV ST3	240069636	2102	248882174	2107	8812538	5
Total 33 KV export					33014266	0
PML- 132 kV ST1	3111499776	683214	3123506944	683214	12007168	0
PML- 132 kV ST2	2406773248	1346307	2420059648	1346307	13286400	0
PML- 132 kV ST3	2126250112	2005587	2137059072	2005587	10808960	0
ST 132 KV total					36102528	0
PML- 6.6 kV C1 (T1C)	38837731	866	38837731	866	0	0
PML- 6.6 kV C2 (T2C)	83777476	93788	85223581	93788	1446105	0
PML- 6.6 kV C5 (T3C)	60160277	186	62367357	186	2207080	0
Total 6.6 KV station load					3653185	0
PML- 132 kV GT1 (G1A)	8206135808	8518	8225280000	8518	19144192	0
PML- 132 kV GT2 (G2A)	1606097290	32	1672826822	32	66729532	0
PML- 132 kV GT3 (G3A)	14553925632	2944	14628911104	2944	74985472	0
PML- 132 kV GT4 (G4A)	10538320896	18323	10612750336	18323	74429440	0
PML- 132 kV ICT1 (G5A)	7134584832	1214	7215515136	1214	80930304	0
Total GT export at 132 KV					316218940	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3791102	37	3859857	37	68755	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50152529	383335	50292586	383336	140057	1
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	996302	6167915	996302	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	692182	1682341	692182	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	18749821	35514542	18998023	35514542	248202	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	40201359	15291956	40853444	15291956	652085	0
PML - 6.6 KV C1to C8 (TIE U5) T9	39267562	4012968	39369609	4012968	102047	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	39862552	1039	40297858	1039	435306	0
PML - 6.6 KV C6 to U4A (TIE U3)T5	3981736	17	3981736	17	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4115546	55	4115546	55	0	0
PML - 6.6 KV U1A (Unit I/C U1)	48022884	26	49106095	26	1083211	0
PML - 6.6 KV U1B (Unit I/C U1)	70965927	115	72303256	115	1337329	0
PML - 6.6 KV U2A (Unit I/C U2)	92168090	46	95114424	46	2946334	0
PML - 6.6 KV U2B (Unit I/C U2)	14395067	112	16468641	112	2073574	0
PML - 6.6 KV U3A (Unit I/C U3)	54733812	28	57670122	28	2936310	0
PML - 6.6 KV U3B (Unit I/C U3)	42397309	0	44991155	0	2593846	0
PML - 6.6 KV U4A (Unit I/C U4)	8864872	55	12725340	55	3860468	0
PML - 6.6 KV U4B (Unit I/C U4)	82405063	0	85082187	0	2677124	0
PML - 6.6 KV U5A (Unit I/C U5)	2505692	0	6138487	0	3632795	0
PML - 6.6 KV U5B (Unit I/C U5)	9762855	0	3198837	0	3435982	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2483.80	0	2485.09	0	1290	0
Total consumption by unit bus from Station					746165	1
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1290	

33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1593137		1607560		14423000	
Cummins feeder at Cummins end	69772		72097		2325000	
Lafarge feeder at Lafarge end	200749.165		217108.8019		16359637	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1634329	1649827	18597600	MF 1200000		
Lin # 9 SECURE METER Reading	3530.29	3560.99	30700000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				
Generator # 1 reactive	15959040	21.45	Generator # 4 reactive		45791680	61.55
Generator # 2 reactive	21412864	28.78	Generator # 5 reactive		32240640	43.33
Generator # 3 reactive	43638272	58.65				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	19844816	2	19921788	5	76972	3
Air Comp 1B (U1B Bus)	18697090	3	18814914	3	117824	0
Air Comp 2A (U2A Bus)	12474964	78921552	12658106	78921552	183142	0
Air Comp 2B (C3 Bus)	7730658	19276814	7908356	19276814	177698	0
Air Comp 2C (U3A Bus)	82994516	329	83238738	329	244222	0
Air Comp 4A (U 4A Bus)	25284993	1682	25357629	1682	72636	0
Air Comp 4B (U 4B Bus)	39714719	3	40229134	3	514415	0
Air Comp 5B (U5B Bus)	52249166	3727	52731951	3727	482785	0
				Total Comp Load	1869694	
GLPH unit # 1 Readings						
CLPH INC 1	14825.64	10	14965.33	10	139688	0
CLPH INC 2	10723.63	16	10794.17	16	70544	0
CT FAN BUS A SIDE	6032.42	16294	6081.69	16294	49267	0
CT FAN BUS B SIDE	6039.94	0	6089.58	0	49645	0
Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)					111320	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Aug-22 12:00:00 AM TO: 31-Aug-22 12:00:00 AM
Report Generated on : 01-Sep-22 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3654475	Total station to unit tie load	746165	3223740	< allocated load	
Total Compressor load on units	1691996	Total common load on CLPH bus for allocation	111320			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	21694464	72051712	81073152	81779456	88337408	344936192
Unit Load	2550707	5332334	6091861	7026568	7407104	28408574
Compressor Load allocation	106417	353431	397684	401148	433316	1691996
CLPH load allocation	7001	23253	26164	26392	28509	111320
Corrected Unit Load	2358009	5525876	6271487	6867058	7386144	28408574
% Unit Consumption	10.87	7.67	7.74	8.43	8.36	8.24%
Allocated Station Load	202754	673388	757702	764303	825593	3223740
Station to unit consumption	208812	0	0	0	207588	416400
Total station load for each unit	411566	673388	757702	764303	1033181	3640140
% station load	1.90%	0.93%	0.93%	0.93%	1.17%	1.06%
Total Aux. consumed by unit	2769575	6199264	7029189	7631361	8419325	32048714
% of Aux. Consumption	12.77%	8.60%	8.67%	9.33%	9.53%	9.29%
Deemed PLF	61.56%	100.00%	100.00%	100.00%	100.00%	
P L F %	43.20%	80.70%	90.81%	91.60%	98.94%	84.68%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature

Date & Time

01-Sep-22 10:00:00 AM

Date & Time

01-Sep-22 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Sep-22 12:00:00 AM
01-Oct-22 10:00:00 AM

TO: 30-Sep-22 12:00:00 AM

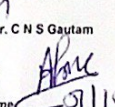
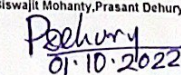
FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	2891209216	55	2927905792	56	36696576	1
PML- GEN # 2 (Check)	5870573568	59	5938676736	59	68103168	0
PML- GEN # 3 (CHECK)	6833846272	158	6911356416	165	77510144	7
PML- GEN # 4 (CHECK)	13857506304	414	13927986176	414	70479872	0
PML- GEN # 5	9828410368	228	9908335616	228	79925248	0
Total Generation (PML)					332715008	
PML- GEN # 1 (G1B)	9327015936	370	9363728384	371	36712448	1
PML- GEN # 2 (G2B)	15670353920	490	15738201088	490	67847168	0
PML- GEN # 3 (G3B)	15970920448	554	16048309248	561	77388800	7
PML GEN # 4 (G4B)	258130704	23	328869792	23	70739088	0
PML GEN # 5 (G5B)	9822075904	1548	9901850624	1548	79774720	0
Total Generation (Alpha)					332462224	
EXPORT						
PML- LINE # 1	9790827520	215008	9831556096	215008	40720576	0
PML- LINE # 2	1083267892	671	1124798087	671	41530195	0
PML- LINE # 3	9075805184	106689	9115956224	106689	40151040	0
PML- LINE # 4	4038812928	50311	4077668608	50311	38855680	0
PML- LINE # 5	5381945856	11140850	5410972672	11187323	29026816	46473
PML- LINE # 6	2074528384	785	2092608512	785	18080128	0
PML- LINE # 7	1337867264	127736144	1352414464	130523064	14547200	2786920
PML- LINE # 8	1244348800	39296596	1261959680	39296596	17610880	0
PML- LINE # 9	3440378112	41	3471271936	41	30893824	0
Total 132 KV export					271424339	2833393
PML- 33 kV ST1	2938801920	2823	2950402816	2823	11600896	0
PML- 33 kV ST2	2300875008	8755	2311950336	8755	11075328	0
PML- 33 kV ST3	248882174	2107	256977034	40633	8094860	38526
Total 33 KV export					30771084	0
PML- 132 kV ST1	3123506944	683214	3135823872	683214	12316928	0
PML- 132 kV ST2	2420059648	1346307	2431757824	1346400	11698176	93
PML- 132 kV ST3	2137059072	2005587	2146350336	2031595	9291264	26008
ST 132 KV total					33306368	26101
PML- 6.6 kV C1 (T1C)	38837731	866	39716928	866	879197	0
PML- 6.6 kV C2 (T2C)	85223581	93788	86011350	93788	787769	0
PML- 6.6 kV C5 (T3C)	62367357	186	63761270	186	1393913	0
Total 6.6 KV station load					3060879	0
PML- 132 kV GT1 (G1A)	8225280000	8518	8258038784	8519	32758784	1
PML- 132 kV GT2 (G2A)	1672826822	32	1735322982	32	62496160	0
PML- 132 kV GT3 (G3A)	14628911104	2944	14700512256	2950	71601152	6
PML- 132 kV GT4 (G4A)	10612750336	18323	10676806556	18323	64056320	0
PML- 132 kV ICT1 (G5A)	7215515136	1214	7288321536	1214	72806400	0
Total GT export at 132 KV					303718816	7
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3859857	37	3899044	37	39187	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50292586	383335	50328078	383336	35492	1
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	996302	6167315	1011186	6167915	14884	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	692182	1682341	706020	1682341	13838	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	18998023	35514542	19099361	35514542	101338	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	40853444	15291956	41529940	15292005	676496	49
PML - 6.6 KV C1 to C8 (TIE U5) T9	39369609	4012968	39486782	4012968	117173	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	40297858	1039	40549410	1039	251552	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	3981736	17	3981736	17	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4115546	55	4115546	55	0	0
PML - 6.6 KV U1A (Unit I/C U1)	49106095	26	51071426	26	1965331	0
PML - 6.6 KV U1B (Unit I/C U1)	72303256	115	73984761	115	1681505	0
PML - 6.6 KV U2A (Unit I/C U2)	95114424	46	98145962	46	3031538	0
PML - 6.6 KV U2B (Unit I/C U2)	16468641	112	18468332	112	1999691	0
PML - 6.6 KV U3A (Unit I/C U3)	57670122	28	60574896	28	2904774	0
PML - 6.6 KV U3B (Unit I/C U3)	44991155	0	47358600	0	2367445	0
PML - 6.6 KV U4A (Unit I/C U4)	12725340	55	16167393	55	3442053	0
PML - 6.6 KV U4B (Unit I/C U4)	85082187	0	87598321	0	2516134	0
PML - 6.6 KV U5A (Unit I/C U5)	6138487	0	9491842	0	3353355	0
PML - 6.6 KV U5B (Unit I/C U5)	3198837	0	6515791	0	3196954	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2485.09	0	2581.82	0	967.30	0
Total consumption by unit bus from Station					472126	50
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-96730	

33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1607560		1621468		13908000	
Cummins feeder at Cummins end	72097		74360		2263000	
Lafarge feeder at Lafarge end	217108.8019		231846.1934		14737392	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1649827	1664811	17980800	MF 1200000		
Lin # 9 SECURE METER Reading	3560.99	3592.08	31090000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				
Generator # 1 reactive	22868992	31.76	Generator # 4 reactive	43279360	60.11	
Generator # 2 reactive	19575296	27.19	Generator # 5 reactive	30650880	42.57	
Generator # 3 reactive	43295232	60.13				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	19921788	5	20130585	5	208797	0
Air Comp 1B (U1B Bus)	18814914	3	19030316	3	215402	0
Air Comp 2A (U2A Bus)	12658106	78921552	13046889	78921552	388783	0
Air Comp 2B (C3 Bus)	7908356	19276814	8053226	19276814	144870	0
Air Comp 2C (U3A Bus)	83238738	329	83430953	329	192215	0
Air Comp 4A (U 4A Bus)	25420737	1682	25508798	1682	88061	0
Air Comp 4B (U 4B Bus)	40229535	3	40548412	3	318877	0
Air Comp 5B (USB Bus)	52731951	3727	53280977	3727	549026	0
			Total Comp Load		2106031	0
CLPH unit # 1 Readings						
CLPH INC 1	14965.33	10	15122.22	10	156884	0
CLPH INC 2	10794.17	16	10880.62	16	86446	0
CT FAN BUS A SIDE	6081.69	16294	6152.67	16294	70979	0
CT FAN BUS B SIDE	6089.58	64	6160.49	64	70909	0
Common Load on CLPH Unit 1 (Inc1 + Inc 2 - CT fan bus A - CT fan bus B)					101442	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT FROM: 01-Sep-22 12:00:00 AM TO: 30-Sep-22 12:00:00 AM Sheet 2 of 2
 Report Generated on: 01-Oct-22 10:00:00 AM

Total Station Load (C1 + C2+ C5)		Total station to unit tie load		2838498		< allocated load	
Total Compressor load on units		Total common load on CLPH bus for allocation		101442			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station	
Generation	36712448	67847168	77388800	70739088	79774720	332462224	
Unit Load	3867111	5351008	5795826	6381066	6968320	28363331	
Compressor Load allocation	216563	400224	456509	417283	470583	1961161	
CLPH load allocation	11202	20702	23613	21584	24341	101442	
Corrected Unit Load	3569235	5383150	6083733	6412995	6914218	28363331	
% Unit Consumption	9.72	7.93	7.86	9.10	8.67	8.53%	
Allocated Station Load	313444	579266	660731	603957	681101	2838498	
Station to unit consumption	74679	0	28722	0	207532	310933	
Total station load for each unit	388123	579266	689453	603957	888633	3149431	
% station load	1.06%	0.85%	0.89%	0.85%	1.11%	0.95%	
Total Aux. consumed by unit	3957357	5962416	6773185	7016952	7802851	31512762	
% of Aux. Consumption	10.78%	8.79%	8.75%	9.92%	9.78%	9.48%	
Deemed PLF	100.00%	100.00%	99.12%	100.00%	100.00%	92.33%	
P L F %	75.54%	78.53%	89.57%	81.87%		84.34%	

Tisco Representative		TPCL Representative	
Name: Mr. C N S Gautam		Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury	
Signature 		Signature 	
Date & Time: 01/10/22	01-Oct-22 10:00:00 AM	Date & Time: 01.10.2022	01-Oct-22 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT 2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit uC load recorded by 6.6 KV end meters plus 0.6% of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie T1C, T2C, T3C less the loading of each unit as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Oct-22 12:00:00 AM
01-Nov-22 10:00:00 AM

TO: 31-Oct-22 12:00:00 AM

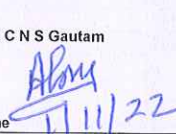
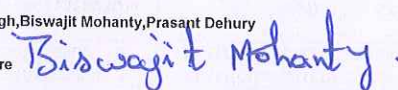
FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	2927905792	56	2969210112	56	41304320	0
PML- GEN # 2 (Check)	5938676736	59	6014306816	59	75630080	0
PML- GEN # 3 (CHECK)	6911356416	165	6981586432	165	70230016	0
PML- GEN # 4 (CHECK)	13927986176	414	13997316096	414	69329920	0
PML- GEN # 5	9908335616	228	9987371008	228	79035392	0
Total Generation (PML)					335529728	0
PML- GEN # 1 (G1B)	9363728384	371	9405048832	371	41320448	0
PML- GEN # 2 (G2B)	15738201088	490	15813550080	490	75348992	0
PML- GEN # 3 (G3B)	16048309248	561	16118418432	561	70109184	0
PML GEN # 4 (G4B)	328869792	23	398454784	23	69584992	0
PML GEN # 5 (G5B)	9901850624	1548	9980742656	1548	78892032	0
Total Generation (Alpha)					335255648	0
EXPORT						
PML- LINE # 1	9831556096	215008	9873134592	215008	41578496	0
PML- LINE # 2	1124798087	671	1166099865	671	41301778	0
PML- LINE # 3	9115956224	106689	9155928064	106689	39971840	0
PML- LINE # 4	4077668608	50311	4117030400	50311	39361792	0
PML- LINE # 5	5410972672	11187323	5440724992	11187323	29752320	0
PML- LINE # 6	2092608512	785	2111367552	785	18759040	0
PML- LINE # 7	1352414464	130523064	1368294400	130523064	15879936	0
PML- LINE # 8	1261959680	39296596	1278126692	39296596	16166912	0
PML- LINE # 9	3471271936	41	3502953728	41	31681792	0
Total 132 KV export					274453906	0
PML- 33 kV ST1	2950402816	2823	2962166784	2823	11763968	0
PML- 33 kV ST2	2311950336	8755	2323152640	8755	11202304	0
PML- 33 kV ST3	256977034	40633	261180067	40633	4203033	0
Total 33 KV export					27169305	0
PML- 132 kV ST1	3135823872	683214	3148980480	683214	13156608	0
PML- 132 kV ST2	2431757824	1346400	2443386112	1346400	11628288	0
PML- 132 kV ST3	2146350336	2031595	2151142912	2031595	4792576	0
ST 132 KV total					29677472	0
PML- 6.6 kV C1 (T1C)	39716928	866	41267257	866	1550329	0
PML- 6.6 kV C2 (T2C)	86011350	93788	86613050	93788	601700	0
PML- 6.6 kV C5 (T3C)	63761270	186	64557338	186	796068	0
Total 6.6 KV station load					2948097	0
PML- 132 kV GT1 (G1A)	8258038784	8519	8295134208	8519	37095424	0
PML- 132 kV GT2 (G2A)	1735322982	32	1804875532	32	69552550	0
PML- 132 kV GT3 (G3A)	14700512256	2950	14765012992	2950	64500736	0
PML- 132 kV GT4 (G4A)	10676806656	18323	10739568640	18323	62761984	0
PML- 132 kV ICT1 (G5A)	7288321536	1214	7360336384	1214	72014848	0
Total GT export at 132 KV					305925542	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3899044	37	3899044	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50328078	383336	50328078	383336	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1011186	6167915	1011186	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	706020	1682341	706020	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	35514542	19099361	35652517	19099361	137975	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	41529940	15292005	41916406	15292005	386466	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	39486782	4012968	39612394	4012968	125612	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	40549410	1039	40931150	1039	381740	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	3981736	17	3981736	17	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4115546	55	4115546	55	0	0
PML - 6.6 KV U1A (Unit I/C U1)	51071426	26	53161048	26	2089622	0
PML - 6.6 KV U1B (Unit I/C U1)	73984761	115	75782338	115	1797577	0
PML - 6.6 KV U2A (Unit I/C U2)	98145962	46	1540176	46	3394214	0
PML - 6.6 KV U2B (Unit I/C U2)	18468332	112	20500909	112	2032577	0
PML - 6.6 KV U3A (Unit I/C U3)	60574896	28	63492822	28	2917926	0
PML - 6.6 KV U3B (Unit I/C U3)	47358600	0	49605965	0	2247366	0
PML - 6.6 KV U4A (Unit I/C U4)	16167393	55	19574753	55	3407360	0
PML - 6.6 KV U4B (Unit I/C U4)	87598321	0	90304373	0	2706052	0
PML - 6.6 KV U5A (Unit I/C U5)	9491842	0	2783029	0	3291187	0
PML - 6.6 KV U5B (Unit I/C U5)	6515791	0	9828513	0	3312722	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2581.82	0	2724.42	0	142600	0
Total consumption by unit bus from Station					507352	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-142600	0
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1621468		1635059		13591000	
Cummins feeder at Cummins end	74360		76197		1837000	
Lafarge feeder at Lafarge end	231846.1934		243882.2072		12036014	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1664811	1680454	18771600	MF 1200000		
Lin # 9 SECURE METER Reading	3592.08	3624.57	32490000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	24230912	32.57	Generator # 4 reactive	40357952	54.24	
Generator # 2 reactive	18734592	25.18	Generator # 5 reactive	29625344	39.82	
Generator # 3 reactive	39194624	52.68				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	20130585	5	20216088	5	85503	0
Air Comp 1B (U1B Bus)	19030316	3	19138081	3	107765	0
Air Comp 2A (U2A Bus)	13046889	78921552	13524397	78921552	477508	0
Air Comp 2B (C3 Bus)	8053226	19276814	8311546	19276814	258320	0
Air Comp 2C (U3A Bus)	83430953	329	83700852	329	269899	0
Air Comp 4A (U 4A Bus)	25508798	1682	25713868	1682	205070	0
Air Comp 4B (U 4B Bus)	40548412	3	41155767	3	607355	0
Air Comp 5B (U5B Bus)	53280977	3727	53771031	3727	490054	0
			Total Comp Load		2501474	
CLPH unit # 1 Readings						
CLPH INC 1	15122.22	10	15285.01	10	162797	0
CLPH INC 2	10880.62	16	10965.08	16	84462	0
CT FAN BUS A SIDE	6152.67	16294	6229.34	16294	76674	0
CT FAN BUS B SIDE	6160.49	64	6229.45	64	68956	0
	Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)				101629	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT FROM: 01-Oct-22 12:00:00 AM TO: 31-Oct-22 12:00:00 AM Sheet 2 of 2
Report Generated on : 01-Nov-22 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3090697	Total station to unit tie load	507352	2887932	< allocated load	
Total Compressor load on units	2243154	Total common load on CLPH bus for allocation	101629			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	41320448	75348992	70109184	69584992	78892032	335255648
Unit Load	4135122	5796442	5608448	6529392	6877184	28946587
Compressor Load allocation	276470	504151	469092	465585	527857	2243154
CLPH load allocation	12526	22841	21253	21094	23915	101629
Corrected Unit Load	4129221	5845926	5828894	6203645	6938902	28946587
% Unit Consumption	9.99	7.76	8.31	8.95	8.80	8.63%
Allocated Station Load	355939	649065	603929	599413	679585	2887932
Station to unit consumption	0	0	0	0	202626	202626
Total station load for each unit	355939	649065	603929	599413	882211	3090568
% station load	0.86%	0.86%	0.86%	0.86%	1.12%	0.92%
Total Aux. consumed by unit	4485160	6494991	6432823	6803058	7821113	32037145
% of Aux. Consumption	10.85%	8.62%	9.18%	9.78%	9.91%	9.66%
Deemed PLF	100.00%	100.00%	100.00%	100.00%	100.00%	
P L F %	82.28%	84.40%	78.53%	77.94%	88.36%	82.30%

Tisco Representative	TPCL Representative
Name: Mr. C N S Gautam	Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury
Signature: 	Signature: 
Date & Time: 01-Nov-22 10:00:00 AM	Date & Time: 01-Nov-22 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT

FROM: 01-Nov-22 12:00:00 AM

TO: 30-Nov-22 12:00:00 AM

Report Generated on :

01-Dec-22 10:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	2969210112	56	3008189440	56	38979328	0
PML- GEN # 2 (Check)	6014306816	59	6091012096	59	76705280	0
PML- GEN # 3 (CHECK)	6981586432	165	7031226880	165	49640448	0
PML- GEN # 4 (CHECK)	13997316096	414	14066696192	414	69380096	0
PML- GEN # 5	9987371008	228	10061085696	228	73714688	0
Total Generation (PML)					308419840	
PML- GEN # 1 (G1B)	9405048832	371	9444041728	371	38992896	0
PML- GEN # 2 (G2B)	15813550080	490	15889970176	490	76420096	0
PML- GEN # 3 (G3B)	16118418432	561	16167948288	561	49529856	0
PML GEN # 4 (G4B)	398454784	23	468123552	23	69668768	0
PML GEN # 5 (G5B)	9980742656	1548	10054321152	1548	73578496	0
Total Generation (Alpha)					308190112	
EXPORT						
PML- LINE # 1	9873134592	215008	9901453312	215008	28318720	0
PML- LINE # 2	1166099865	671	1202162164	671	36062299	0
PML- LINE # 3	9155928064	106689	9190479872	106689	34551808	0
PML- LINE # 4	4117030400	50311	4149561088	50311	32530688	0
PML- LINE # 5	5440724992	11187323	5475726848	11253937	35001856	0
PML- LINE # 6	2111367552	785	2125225344	785	13857792	0
PML- LINE # 7	1368294400	130523064	1387205376	130523064	18910976	0
PML- LINE # 8	1278126592	39296596	1297252480	39296596	19125888	0
PML- LINE # 9	3502953728	41	3539495936	44	36542208	3
Total 132 KV export					254902235	0
PML- 33 kV ST1	2962166784	2823	2969892608	2823	7725824	0
PML- 33 kV ST2	2323152640	8755	2330508544	8755	7355904	0
PML- 33 kV ST3	261180067	40633	269078592	132265	7898525	0
Total 33 KV export					22980253	0
PML- 132 kV ST1	3148980480	683214	3157841920	683214	8861440	0
PML- 132 kV ST2	2443386112	1346400	2451188480	1346411	7802368	11
PML- 132 kV ST3	2151142912	2031595	2159763456	2089053	8620544	0
ST 132 KV total					25284352	0
PML- 6.6 kV C1 (T1C)	41267257	866	42563665	866	1296408	0
PML- 6.6 kV C2 (T2C)	86613050	93788	87247045	93788	633995	0
PML- 6.6 kV C5 (T3C)	64557338	186	65480181	186	922843	0
Total 6.6 KV station load					2853246	0
PML- 132 kV GT1 (G1A)	8295134208	8519	8329894912	8519	34760704	0
PML- 132 kV GT2 (G2A)	1804875532	32	1876052855	32	71177323	0
PML- 132 kV GT3 (G3A)	14765012992	2950	14810641408	2963	45628416	13
PML- 132 kV GT4 (G4A)	10739568640	18323	10802990080	18323	63421440	0
PML- 132 kV ICT1 (G5A)	7360336384	1214	7427592704	1229	67256320	15
Total GT export at 132 KV					282244203	28
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3899044	37	3899044	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50328078	383336	50328078	383336	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	1011186	6167915	1077838	6167915	66652	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	706020	1682341	817402	1682341	111382	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	35652517	19099361	35783891	19099361	131374	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	41916406	15292005	42506907	15292082	590501	77
PML - 6.6 KV C1to C8 (TIE U5) T9	39612394	3	39693867	3	81473	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	40931150	1039	41190777	1042	259627	3
PML - 6.6 KV C6 to U4A (TIE U3)T5	3981736	17	3981736	17	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4115546	55	4115546	55	0	0
PML - 6.6 KV U1A (Unit I/C U1)	53161048	26	55060036	26	1898988	0
PML - 6.6 KV U1B (Unit I/C U1)	75782338	115	77795482	115	2013144	0
PML - 6.6 KV U2A (Unit I/C U2)	1540176	46	4407400	46	2867224	0
PML - 6.6 KV U2B (Unit I/C U2)	20500909	112	22498854	112	1997945	0
PML - 6.6 KV U3A (Unit I/C U3)	63492822	28	65426522	28	1933700	0
PML - 6.6 KV U3B (Unit I/C U3)	49605965	0	51305140	0	2247365	0
PML - 6.6 KV U4A (Unit I/C U4)	19574753	55	22973875	55	3399122	0
PML - 6.6 KV U4B (Unit I/C U4)	90304373	0	92511667	0	2207294	0
PML - 6.6 KV U5A (Unit I/C U5)	2783029	0	5921361	0	3138332	0
PML - 6.6 KV U5B (Unit I/C U5)	9828513	0	2876123	0	3047610	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2724.42	0	2856.47	0	132050	0
Total consumption by unit bus from Station					519134	80
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-132050	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1635059		1646950		11891000	
Cummins feeder at Cummins end	76197		77914		1717000	
Lafarge feeder at Lafarge end	243882.2072		253287.0794		9404872	
132 KV line 9 and 8 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1680454	1692051	13916400	MF 1200000		
Lin # 9 SECURE METER Reading	3624.57	3660.74	36170000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	24376832	33.86	Generator # 4 reactive	36290240	50.40	
Generator # 2 reactive	19931136	27.68	Generator # 5 reactive	28018688	38.91	
Generator # 3 reactive	27456512	38.13				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	20216088	5	20521572	5	305484	0
Air Comp 1B (U1B Bus)	19138081	3	19331288	3	193207	0
Air Comp 2A (U2A Bus)	13524397	78921552	13688276	78921552	163879	0
Air Comp 2B (C3 Bus)	8311546	19276814	8522053	19276814	210507	0
Air Comp 2C (U3A Bus)	83700852	329	83990531	329	289679	0
Air Comp 4A (U 4A Bus)	25713868	1682	25875424	1682	161556	0
Air Comp 4B (U 4B Bus)	41155767	3	41341549	3	185782	0
Air Comp 5B (U5B Bus)	53771031	3727	54256153	3727	485122	0
			Total Comp Load		1995216	
CLPH unit # 1 Readings						
CLPH INC 1	15285.01	10	15431.37	10	146357	0
CLPH INC 2	10965.08	16	11006.85	16	41768	0
CT FAN BUS A SIDE	6229.34	16294	6293.77	16294	64424	0
CT FAN BUS B SIDE	6229.45	64	6259.12	64	29673	0
			Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)		94028	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Nov-22 12:00:00 AM TO: 30-Nov-22 12:00:00 AM
Report Generated on : 01-Dec-22 10:00:00 AM

Total Station Load (C1 + C2+ C5)	2985296	Total station to unit tie load	519134	2611681	< allocated load	
Total Compressor load on units	1784709	Total common load on CLPH bus for allocation		94028		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	38992896	76420096	49529856	69668768	73578496	308190112
Unit Load	4146089	5242773	3905276	6022697	6322176	25639011
Compressor Load allocation	225805	442544	286824	403447	426088	1784709
CLPH load allocation	11897	23316	15111	21256	22449	94028
Corrected Unit Load	3791072	5544753	3917533	6100062	6285591	25639011
% Unit Consumption	9.72	7.26	7.91	8.79	8.54	8.32%
Allocated Station Load	330436	647603	419729	590391	623523	2611681
Station to unit consumption	0	0	178034	0	191745	369779
Total station load for each unit	330436	647603	597763	590391	815268	2981460
% station load	0.85%	0.85%	1.21%	0.85%	1.11%	0.97%
Total Aux. consumed by unit	4121508	6192357	4515295	6690452	7100859	28620471
% of Aux. Consumption	10.57%	8.10%	9.12%	9.60%	9.65%	9.29%
Deemed PLF	100.00%	100.00%	75.77%	100.00%	99.23%	
PLF %	80.23%	88.45%	57.33%	80.64%	85.16%	78.18%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature

Date & Time

01-Dec-22 10:00:00 AM

Date & Time

01-Dec-22 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT

FROM: 01-Dec-22 12:00:00 AM

TO:

31-Dec-22 12:00:00 AM

Report Generated on :

01-Jan-23 10:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3008189440	56	3020737024	57	12547584	1
PML- GEN # 2 (Check)	6091012096	59	6154796544	59	63784448	0
PML- GEN # 3 (CHECK)	7031226880	165	7098010112	166	66783232	1
PML- GEN # 4 (CHECK)	14066696192	414	14138889216	414	72193024	0
PML- GEN # 5	10061085696	228	10143100928	232	82015232	4
Total Generation (PML)					297323520	
PML- GEN # 1 (G1B)	9444041728	371	9456599040	373	12557312	2
PML- GEN # 2 (G2B)	15889970176	490	15953516544	490	63546368	0
PML- GEN # 3 (G3B)	16167948288	561	16234601472	563	66653184	2
PML GEN # 4 (G4B)	468123552	23	540600000	23	72476448	0
PML GEN # 5 (G5B)	10054321152	1548	10136186880	1551	81865728	3
Total Generation (Alpha)					297099040	
EXPORT						
PML- LINE # 1	9901453312	215008	9939322880	215008	37869568	0
PML- LINE # 2	1202162164	671	1239252949	671	37090785	0
PML- LINE # 3	9190479872	106689	9226874880	106689	36395008	0
PML- LINE # 4	4149561088	50311	4185335040	50311	35773952	0
PML- LINE # 5	5475726848	11253937	5502807552	11297295	27080704	43358
PML- LINE # 6	2125225344	785	2138729984	785	13504640	0
PML- LINE # 7	1387205376	130523064	1399422208	130523064	12216832	0
PML- LINE # 8	1297252480	39296596	1309760256	39296596	12507776	0
PML- LINE # 9	3539495936	44	3576431616	44	36935680	0
Total 132 KV export					249374945	43358
PML- 33 kV ST1	2969892608	2823	2977994752	2823	8102144	0
PML- 33 kV ST2	2330508544	8755	2333124864	8755	2616320	0
PML- 33 kV ST3	269078592	137469	277885316	137469	8806724	0
Total 33 KV export					19525188	0
PML- 132 kV ST1	3157841920	683214	3166586112	683214	8744192	0
PML- 132 kV ST2	2451188480	1350151	2454235904	1350151	3047424	0
PML- 132 kV ST3	2159763456	2089053	2170059776	2091999	10296320	0
ST 132 KV total					22087936	0
PML- 6.6 kV C1 (T1C)	42563665	866	43398860	866	835195	0
PML- 6.6 kV C2 (T2C)	87247045	93946	87748752	93946	501707	0
PML- 6.6 kV C5 (T3C)	65480181	186	67170278	186	1690097	0
Total 6.6 KV station load					3026999	0
PML- 132 kV GT1 (G1A)	8329894912	8519	8341127680	8520	11232768	1
PML- 132 kV GT2 (G2A)	1876052855	32	1934982702	32	58929847	0
PML- 132 kV GT3 (G3A)	14810641408	2963	14872287232	2970	61645824	7
PML- 132 kV GT4 (G4A)	10802990080	18323	10868877312	18323	65887232	0
PML- 132 kV ICT1 (G5A)	7427592704	1229	7502942208	1229	75349504	0
Total GT export at 132 KV					273045175	8
PML - 6.6 KV C1 to U1A (TIE-U1) T1	3899044	37	4093449	37	194405	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50328078	383336	50506262	383338	178184	2
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	953901	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	664210	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1077838	6167915	1082523	6167915	4685	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	817402	1682341	821105	1682341	3703	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	35783891	19099361	35963492	19099361	179601	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	42506907	15292082	43042012	15292082	535105	0
PML - 6.6 KV C1to C8 (TIE U5) T9	39693867	161	39694094	164	227	3
PML - 6.6 KV C5 to C9 (TIE U5) T10	41190777	1042	41629543	1042	438766	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	3981736	17	3981736	17	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4115546	55	4115546	55	0	0
PML - 6.6 KV U1A (Unit I/C U1)	55060036	26	55668118	26	608082	0
PML - 6.6 KV U1B (Unit I/C U1)	77795482	115	78415142	115	619660	0
PML - 6.6 KV U2A (Unit I/C U2)	4407400	46	6782506	46	2375106	0
PML - 6.6 KV U2B (Unit I/C U2)	22498854	112	24423917	112	1925063	0
PML - 6.6 KV U3A (Unit I/C U3)	65426522	28	67883687	28	2457165	0
PML - 6.6 KV U3B (Unit I/C U3)	51305140	0	53457932	0	2152792	0
PML - 6.6 KV U4A (Unit I/C U4)	22973875	55	25944507	55	2970632	0
PML - 6.6 KV U4B (Unit I/C U4)	92511667	0	95423806	0	2912139	0
PML - 6.6 KV U5A (Unit I/C U5)	5921361	0	9294347	0	3372986	0
PML - 6.6 KV U5B (Unit I/C U5)	2876123	0	5827595	0	2951472	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2856.47	0	2961.38	0	104910	0
Total consumption by unit bus from Station					819970	5
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-104910	

33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1646950		1646950		0	
Cummins feeder at Cummins end	77914		77914		0	
Lafarge feeder at Lafarge end	253287.0794		253287.0794		0	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1692051	1703250	13438800	MF 1200000		
Lin # 9 SECURE METER Reading	3660.74	3697.95	37210000	MF 1000000		
Reactive Generator Readings						
	KVARH	MVAR				
Generator # 1 reactive	6460416	8.68	Generator # 4 reactive	40980096	55.08	
Generator # 2 reactive	19959808	26.83	Generator # 5 reactive	28018688	37.66	
Generator # 3 reactive	36968448	49.69				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	20521572	5	20700978	5	179406	0
Air Comp 1B (U1B Bus)	19331288	3	19477635	3	146347	0
Air Comp 2A (U2A Bus)	13688276	78921552	14049488	78921552	361212	0
Air Comp 2B (C3 Bus)	8522053	19276814	8652132	19276814	130079	0
Air Comp 2C (U3A Bus)	83990531	329	84149819	329	159288	0
Air Comp 4A (U 4A Bus)	25875424	1682	25959190	1682	83766	0
Air Comp 4B (U 4B Bus)	41341549	3	41680695	3	339146	0
Air Comp 5B (U5B Bus)	54256153	3727	54395442	3727	139289	0
			Total Comp Load		1538533	
CLPH unit # 1 Readings						
CLPH INC 1	15431.37	10	15485.87	10	54497	0
CLPH INC 2	11006.85	16	11065.57	16	58721	0
CT FAN BUS A SIDE	6293.77	16294	6310.46	16294	16696	0
CT FAN BUS B SIDE	6259.12	64	6271.28	64	12157	0
			Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)		84365	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Dec-22 12:00:00 AM TO: 31-Dec-22 12:00:00 AM
 Report Generated on: 01-Jan-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)						
Total Station Load (C1 + C2+ C5)	3131909	Total station to unit tie load	819970	2593059	< allocated load	
Total Compressor load on units	1408454	Total common load on CLPH bus for allocation		84365		
	Unit #1	Unit #2	Unit #3	Unit #4	Unit #5	Station
Generation	12557312	63546368	66653184	72476448	81865728	297099040
Unit Load	1303086	4820629	4803252	6315929	6516224	23759120
Compressor Load allocation	59530	301254	315982	343588	388100	1408454
CLPH load allocation	3566	18045	18927	20581	23247	84365
Corrected Unit Load	956064	4778715	4978873	6257186	6788282	23759120
% Unit Consumption	7.61	7.52	7.47	8.67	8.29	8.00%
Allocated Station Load	109599	554628	581744	632569	714518	2593059
Station to unit consumption	372589	0	8388	0	157873	538850
Total station load for each unit	482188	554628	590132	632569	872391	3131909
% station load	3.84%	0.87%	0.89%	0.87%	1.07%	1.05%
Total Aux. consumed by unit	1438252	5333343	5569005	6889755	7660673	26891029
% of Aux. Consumption	11.45%	8.39%	8.36%	9.51%	9.36%	9.05%
Deemed PLF	100.00%	100.00%	99.17%	100.00%	100.00%	
P L F %	25.00%	71.18%	74.66%	81.18%	91.70%	72.94%

Tisco Representative	TPCL Representative
Name: Mr. C N S Gautam	Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury
Signature	Signature <i>P. Dehury</i>
Date & Time	Date & Time
01-Jan-23 10:00:00 AM	01-Jan-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1,2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load , for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT

Sheet 1 of 2

Report Generated on :

FROM: 01-Jan-23 12:00:00 AM
01-Feb-23 10:00:00 AM

TO: 31-Jan-23 12:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3020737024	56	3067266048	57	46529024	1
PML- GEN # 2 (Check)	6154796544	59	6232342016	59	77545472	0
PML- GEN # 3 (CHECK)	7098010112	165	718253632	166	84523520	1
PML- GEN # 4 (CHECK)	14138889216	414	14142886912	414	3997696	0
PML- GEN # 5	10143100928	228	10231083008	232	87982080	4
Total Generation (PML)					300577792	
PML- GEN # 1 (G1B)	9456599040	371	9503153152	373	46554112	2
PML- GEN # 2 (G2B)	15953516544	490	16030765056	490	77248512	0
PML- GEN # 3 (G3B)	16234601472	561	16318977024	563	84375552	2
PML GEN # 4 (G4B)	540600000	23	544610944	23	4010944	0
PML GEN # 5 (G5B)	10136186880	1548	10224002048	1551	87815168	3
Total Generation (Alpha)					300004288	
EXPORT						
PML- LINE # 1	9939322880	215008	9971218432	215528	31895552	520
PML- LINE # 2	1239252949	671	1255236356	1267	15983407	596
PML- LINE # 3	9226874880	106689	9256523776	107158	29648896	469
PML- LINE # 4	4185335040	50311	4220479488	50325	35144448	14
PML- LINE # 5	5502807552	11253937	5552909824	11297296	50102272	43359
PML- LINE # 6	2138729984	785	2153312512	785	14582528	0
PML- LINE # 7	1399422208	130523064	1418708992	130523064	19286784	0
PML- LINE # 8	1309760256	39296596	1327884928	40718384	18124672	1421788
PML- LINE # 9	3576431616	44	3611627264	44	35195648	0
Total 132 KV export					249964207	1466746
PML- 33 kV ST1	2977994752	2823	2985976064	2823	7981312	0
PML- 33 kV ST2	2333124864	8755	2340843008	8755	7718144	0
PML- 33 kV ST3	277885316	137469	285458200	137469	7572884	0
Total 33 KV export					23272340	0
PML- 132 kv ST1	3166586112	683214	3175391232	683214	8805120	0
PML- 132 kv ST2	2454235904	1350151	2462951168	1350151	8715264	0
PML- 132 kv ST3	2170059776	2089053	2178388992	2091999	8329216	0
ST 132 KV total					25849600	0
PML- 6.6 kV C1 (T1C)	43398860	866	44349810	866	950950	0
PML- 6.6 kV C2 (T2C)	87748752	93946	88878773	93946	1130021	0
PML- 6.6 kV C5 (T3C)	67170278	186	68112777	186	942499	0
Total 6.6 KV station load					3023470	0
PML- 132 kv GT1 (G1A)	8341127680	8519	8383059968	8520	41932288	1
PML- 132 kv GT2 (G2A)	1934982702	32	2006786457	32	71803755	0
PML- 132 kv GT3 (G3A)	14872287232	2963	14950766592	2970	78479360	7
PML- 132 kv GT4 (G4A)	10868877312	18323	10872520704	18323	3643392	0
PML- 132 kv ICT1 (G5A)	7502942208	1229	7583464448	1229	80522240	0
Total GT export at 132 KV					276381035	8
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383336	50506262	383338	0	2
PML - 6.6 KV C3 to U2A (TIE U2) T3	953901	3415811	997559	3415811	43658	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	664210	9132807	695831	9132807	31621	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	1082523	6167915	1109439	6167915	26916	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	821105	1682341	845228	1682341	24123	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	35963492	19099361	36204423	19099361	240931	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	43042012	15292082	43723309	15292082	681297	0
PML - 6.6 KV C1to C8 (TIE U5) T9	164	227	97849	227	97685	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	41629543	1042	41806956	1042	177413	0
PML - 6.6 KV C6 to U4A (TIE U3)T5	3981736	17	4090985	17	109249	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4115546	55	4230409	55	114863	0
PML - 6.6 KV U1A (Unit I/C U1)	55668118	26	57790282	26	2122164	0
PML - 6.6 KV U1B (Unit I/C U1)	78415142	115	80411225	115	1996083	0
PML - 6.6 KV U2A (Unit I/C U2)	6782506	46	9765024	46	2982518	0
PML - 6.6 KV U2B (Unit I/C U2)	24423917	112	26540527	112	2116610	0
PML - 6.6 KV U3A (Unit I/C U3)	67883687	28	70645728	28	2762041	0
PML - 6.6 KV U3B (Unit I/C U3)	53457932	0	56053316	0	2595384	0
PML - 6.6 KV U4A (Unit I/C U4)	25944507	55	26102518	55	158011	0
PML - 6.6 KV U4B (Unit I/C U4)	95423806	0	95594331	0	170525	0
PML - 6.6 KV U5A (Unit I/C U5)	9294347	0	2616583	0	3322236	0
PML - 6.6 KV U5B (Unit I/C U5)	5827595	0	9437130	0	3609535	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2961.38	0	2962.64	0	1260	0
Total consumption by unit bus from Station					625528	2
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1260	

33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1659050		1673097		14047000	
Cummins feeder at Cummins end	79627		81419		1792000	
Lafarge feeder at Lafarge end	259044.3		266691.0022		7646702	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1703250	1715454	14644800	MF 1200000		
Lin # 9 SECURE METER Reading	3697.95	3729.95	32000000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				
Generator # 1 reactive	27330048	36.73	Generator # 4 reactive		2022016	2.72
Generator # 2 reactive	22345728	30.03	Generator # 5 reactive		31591424	42.46
Generator # 3 reactive	40163840	53.98				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	20700978	5	20989801	5	288823	0
Air Comp 1B (U1B Bus)	19477635	3	19544163	3	66528	0
Air Comp 2A (U2A Bus)	14049488	78921552	14346681	78921552	297193	0
Air Comp 2B (C3 Bus)	8652132	19276814	8928332	19276814	276200	0
Air Comp 2C (U3A Bus)	84149819	329	84359907	329	210088	0
Air Comp 4A (U 4A Bus)	25959190	1682	25986505	1682	27315	0
Air Comp 4B (U 4B Bus)	41680695	3	41709042	3	28347	0
Air Comp 5B (U5B Bus)	54395442	3727	54930631	3727	535189	0
				Total Comp Load	1729683	
CLPH unit # 1 Readings						
CLPH INC 1	15485.87	10	15574.14	10	88277	0
CLPH INC 2	11065.57	16	11171.04	16	105475	0
CT FAN BUS A SIDE	6310.46	16294	6364.58	16294	54116	0
CT FAN BUS B SIDE	6271.28	64	6320.32	64	49046	0
					90590	0
Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)						

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Jan-23 12:00:00 AM TO: 31-Jan-23 12:00:00 AM
Report Generated on: 01-Feb-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3024730	Total station to unit tie load	625528	2516805	< allocated load	
Total Compressor load on units	1453483	Total common load on CLPH bus for allocation	90590			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	46554112	77248512	84375552	4010944	87815168	300004288
Unit Load	4397572	5444757	5896192	352522	7292928	23383971
Compressor Load allocation	225549	374259	408789	19433	425453	1453483
CLPH load allocation	14058	23326	25478	1211	26517	90590
Corrected Unit Load	4191237	5545149	6120371	317504	7209709	23383971
% Unit Consumption	9.00	7.48	7.25	7.94	8.21	7.79%
Allocated Station Load	390553	648056	707846	33649	736702	2516805
Station to unit consumption	0	75279	51039	224112	157495	507925
Total station load for each unit	390553	723335	758885	257761	894197	3024730
% station load	0.84%	0.94%	0.90%	8.43%	1.02%	1.01%
Total Aux. consumed by unit	4581790	6268484	6879256	575265	8103906	26408701
% of Aux. Consumption	9.84%	8.11%	8.15%	14.34%	9.23%	8.80%
Deemed PLF	100.00%	95.42%	96.23%	5.28%	99.86%	
P L F %	92.70%	86.52%	94.51%	4.49%	98.36%	73.65%

Tisco Representative		TPCL Representative	
Name: Mr. C N S Gautam		Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury	
Signature: <i>AM</i>		Signature: <i>Biswajit Mohanty</i>	
Date & Time: 21/2/23	01-Feb-23 10:00:00 AM	Date & Time: 01-Feb-23 10:00:00 AM	

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT 2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT

FROM: 01-Feb-23 12:00:00 AM

TO: 28-Feb-23 12:00:00 AM

Report Generated on : 01-Mar-23 10:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML - GEN # 1 (Check)	3067266048	57	3108700416	57	41434368	0
PML - GEN # 2 (Check)	6232342016	59	6296750080	65	64408064	6
PML - GEN # 3 (CHECK)	7182533632	166	7258142720	167	75609088	1
PML - GEN # 4 (CHECK)	14142886912	414	14198139904	451	55252992	37
PML - GEN # 5	10231083008	232	10269270016	235	38187008	3
Total Generation (PML)					274891520	
PML - GEN # 1 (G1B)	9503153152	373	9544616960	373	41463808	0
PML - GEN # 2 (G2B)	16030765056	490	16094946304	497	64181248	7
PML - GEN # 3 (G3B)	16318977024	563	16394461184	564	75484160	1
PML GEN # 4 (G4B)	544610944	23	600041408	59	55430464	36
PML GEN # 5 (G5B)	10224002048	1551	10262114304	1554	38112256	3
Total Generation (Alpha)					274671936	
EXPORT						
PML - LINE # 1	9971218432	215528	9995614208	215528	24395776	0
PML - LINE # 2	1255236356	1267	1279429470	1267	24193114	0
PML - LINE # 3	9256523776	107158	9279432704	107158	22908928	0
PML - LINE # 4	4220479488	50325	4240817664	50325	20338176	0
PML - LINE # 5	5552909824	11297296	5614345728	11297296	61435904	0
PML - LINE # 6	2153312512	785	2165664256	785	12351744	0
PML - LINE # 7	1418708992	130523064	1434030848	130523064	15321856	0
PML - LINE # 8	1327884928	40718384	1342024832	42252200	14139904	1533816
PML - LINE # 9	3611627264	44	3644081408	44	32454144	0
Total 132 KV export					227539546	1533816
PML - 33 kV ST1	2985976064	2823	2993844224	2823	7868160	0
PML - 33 kV ST2	2340843008	8755	2348478464	9121	7635456	366
PML - 33 kV ST3	285458200	137469	291614833	140294	6156633	2825
Total 33 KV export					21660249	3191
PML - 132 kV ST1	3175391232	683214	3183976704	683214	8585472	0
PML - 132 kV ST2	2462951168	1350151	2471830016	1350151	8878848	0
PML - 132 kV ST3	2178388992	2091999	2185538560	2092668	7149568	0
ST 132 KV total					24613888	0
PML - 6.6 kV C1 (T1C)	44349810	866	45185781	866	835971	0
PML - 6.6 kV C2 (T2C)	88878773	93946	90234650	93946	1355877	0
PML - 6.6 kV C5 (T3C)	68112777	186	69242767	186	1129990	0
Total 6.6 KV station load					3321838	0
PML - 132 kV GT1 (G1A)	8383059968	8520	8420218368	8520	37158400	0
PML - 132 kV GT2 (G2A)	2006786457	32	2066182324	41	59395867	9
PML - 132 kV GT3 (G3A)	14950766592	2970	15021018112	2971	70251520	1
PML - 132 kV GT4 (G4A)	10872520704	18323	10923386880	18382	50866176	59
PML - 132 kV ICT1 (G5A)	7583464448	1229	7618361856	1267	34897408	38
Total GT export at 132 KV					252569371	107
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50506262	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	997559	3415811	1037337	3415811	39778	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	695831	9132807	732893	9132807	37062	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	1109439	6167915	1109439	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	845228	1682341	845228	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	36204423	19099361	36721207	19099361	516784	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	43723309	15292082	44499411	15292082	776102	0
PML - 6.6 KV C1to C8 (TIE U5) T9	97849	227	165041	227	67192	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	41806956	1042	42113286	1045	306330	3
PML - 6.6 KV C6 to U4A (TIE U3)T5	4090985	17	4359843	36	268858	19
PML - 6.6 KV C7 to U4B (TIE U3) T6	4230409	55	4493566	75	263157	20
PML - 6.6 KV U1A (Unit I/C U1)	57790282	26	59492537	26	1702255	0
PML - 6.6 KV U1B (Unit I/C U1)	80411225	115	82551971	115	2140746	0
PML - 6.6 KV U2A (Unit I/C U2)	9765024	46	12280754	46	2515730	0
PML - 6.6 KV U2B (Unit I/C U2)	26540527	112	28478215	112	1937688	0
PML - 6.6 KV U3A (Unit I/C U3)	70645728	28	73193913	28	2548185	0
PML - 6.6 KV U3B (Unit I/C U3)	56053316	0	58334579	0	2281263	0
PML - 6.6 KV U4A (Unit I/C U4)	26102518	55	28303044	55	2200526	0
PML - 6.6 KV U4B (Unit I/C U4)	95594331	0	97480948	0	1886617	0
PML - 6.6 KV U5A (Unit I/C U5)	2616583	0	4089159	0	1472576	0
PML - 6.6 KV U5B (Unit I/C U5)	9437130	0	1034924	0	1597794	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2962.64	0	2963.66	0	1220	0
Total consumption by unit bus from Station					982377	3
(F1-F2) ,if F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1220	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1673097		1686129		13032000	
Cummins feeder at Cummins end	81419		83195		1776000	
Lafarge feeder at Lafarge end	266691.0022		273678.1394		6987137	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1715454	1725753	12358800	MF 1200000		
Lin # 9 SECURE METER Reading	3729.95	3766.02	36070000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	23904256	35.57	Generator # 4 reactive	25279552	37.62	
Generator # 2 reactive	18678784	27.80	Generator # 5 reactive	13604864	20.25	
Generator # 3 reactive	35723776	53.16				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	20989801	5	21254692	5	264891	0
Air Comp 1B (U1B Bus)	19544163	3	19736294	3	192131	0
Air Comp 2A (U2A Bus)	14346681	78921552	14645675	78921552	298994	0
Air Comp 2B (C3 Bus)	8928332	19276814	9154636	19276814	226304	0
Air Comp 2C (U3A Bus)	84359907	329	84530383	329	170476	0
Air Comp 4A (U 4A Bus)	25986505	1682	26074185	0	87680	-1682
Air Comp 4B (U 4B Bus)	41709042	3	42072850	0	363808	-3
Air Comp 5B (U5B Bus)	54930631	3727	55133657	3727	203026	0
			Total Comp Load		1807310	
CLPH unit # 1 Readings						
CLPH INC 1	15574.14	10	15705.45	10	131301	0
CLPH INC 2	11171.04	16	11237.48	16	66435	0
CT FAN BUS A SIDE	6364.58	16294	6422.47	16294	57888	0
CT FAN BUS B SIDE	6320.32	64	6368.04	64	47719	0
			Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)		92129	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Feb-23 12:00:00 AM TO: 28-Feb-23 12:00:00 AM
Report Generated on : 01-Mar-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3323058	Total station to unit tie load	982377	2482873	< allocated load	
Total Compressor load on units	1581006	Total common load on CLPH bus for allocation		92129		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	41463808	64181248	75484160	55430464	38112256	274671936
Unit Load	4091784	4794324	5241881	4418661	3214848	21761498
Compressor Load allocation	238665	369426	434485	319057	219373	1581006
CLPH load allocation	13908	21527	25318	18592	12783	92129
Corrected Unit Load	3795205	4886283	5531209	4304822	3243979	21761498
% Unit Consumption	9.15	7.61	7.33	7.79	8.51	7.92%
Allocated Station Load	374808	580161	682332	501059	344512	2482873
Station to unit consumption	0	76840	0	532015	213146	822001
Total station load for each unit	374808	657001	682332	1033074	557658	3304874
% station load	0.90%	1.02%	0.90%	1.85%	1.46%	1.20%
Total Aux. consumed by unit	4170014	5543284	6213541	5337896	3801637	25066372
% of Aux. Consumption	10.06%	8.54%	8.23%	9.63%	9.97%	9.13%
Deemed PLF	100.00%	95.03%	100.00%	74.79%	52.79%	
PLF %	91.41%	79.59%	93.61%	68.74%	47.26%	74.66%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature

Biswajit Mohanty

Date & Time

01-Mar-23 10:00:00 AM

Date & Time

01-Mar-23 10:00:00 AM

The Above calculations are made on he basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1,2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load , for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportionated to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Mar-23 12:00:00 AM
01-Apr-23 10:00:00 AM

TO: 31-Mar-23 12:00:00 AM

Sheet 1 of 2

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3108700416	57	3154983168	57	46282752	0
PML- GEN # 2 (Check)	6296750080	65	6372439040	65	75688960	0
PML- GEN # 3 (CHECK)	7258142720	167	7346061824	167	87919104	0
PML- GEN # 4 (CHECK)	14198139904	451	14283002880	451	84862976	0
PML- GEN # 5	10269270016	235	10286561280	235	17291264	0
Total Generation (PML)					312045056	
PML- GEN # 1 (G1B)	9544616960	373	9590933504	373	46316544	0
PML- GEN # 2 (G2B)	16094946304	497	16170365952	497	75419648	0
PML- GEN # 3 (G3B)	16394461184	564	16482233344	564	87772160	0
PML GEN # 4 (G4B)	600041408	59	685263360	59	85221952	0
PML GEN # 5 (G5B)	10262114304	1554	10279384064	1554	17269760	0
Total Generation (Alpha)					312000064	
EXPORT						
PML- LINE # 1	9995614208	215528	10025111552	215528	29497344	0
PML- LINE # 2	1279429470	1267	1308708908	1267	29279438	0
PML- LINE # 3	9279432704	107158	9307596800	107158	28164096	0
PML- LINE # 4	4240817664	50325	4266770432	50325	25952768	0
PML- LINE # 5	5614345728	11297296	5676065280	11297296	61719552	0
PML- LINE # 6	2165664256	785	2181830656	785	16166400	0
PML- LINE # 7	1434030848	130523064	1453494912	130523064	19464064	0
PML- LINE # 8	1342024832	42252200	1357393664	46950812	15368832	4698612
PML- LINE # 9	3644081408	44	3682381568	44	38300160	0
Total 132 KV export					263912654	4698612
PML- 33 kV ST1	2993844224	2823	3002004992	2823	8160768	0
PML- 33 kV ST2	2348478464	9121	2356315648	9121	7837184	0
PML- 33 kV ST3	291614833	140294	297928496	140294	6313663	0
Total 33 KV export					22311615	0
PML- 132 kV ST1	3183976704	683214	3193377536	683214	9400832	0
PML- 132 kV ST2	2471830016	1350151	2480879872	1350151	9049856	0
PML- 132 kV ST3	2185538560	2092668	2192985088	2092668	7446528	0
ST 132 KV total					25897216	0
PML- 6.6 KV C1 (T1C)	45185781	866	46554767	866	1368986	0
PML- 6.6 KV C2 (T2C)	90234650	93946	91583422	93946	1348772	0
PML- 6.6 KV C5 (T3C)	69242767	186	70529780	186	1287013	0
Total 6.6 KV station load					4004771	0
PML- 132 kV GT1 (G1A)	8420218368	8520	8461837824	8520	41619456	0
PML- 132 kV GT2 (G2A)	2066182324	41	2135944107	41	69761783	0
PML- 132 kV GT3 (G3A)	15021018112	2971	15102585856	2971	81567744	0
PML- 132 kV GT4 (G4A)	10923386880	18382	11001468928	18382	78082048	0
PML- 132 kV ICT1 (G5A)	7618361856	1267	7634526208	1267	16164352	0
Total GT export at 132 KV					287195383	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50506262	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1037337	3415811	1047845	3415811	10508	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	732893	9132807	739789	9132807	6896	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1109439	6167915	1109439	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	845228	1682341	845228	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	36721207	19099361	36944610	19099361	223403	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	44499411	15292082	45163399	15292082	663988	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	165041	227	520713	227	355672	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	42113286	1045	42690658	1045	577372	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	4359843	36	4359843	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4493566	75	4493566	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	59492537	26	61230005	26	1737468	0
PML - 6.6 KV U1B (Unit I/C U1)	82551971	115	84991678	115	2439707	0
PML - 6.6 KV U2A (Unit I/C U2)	12280754	46	15456000	46	3175246	0
PML - 6.6 KV U2B (Unit I/C U2)	28478215	112	30554512	112	2076297	0
PML - 6.6 KV U3A (Unit I/C U3)	73193913	28	76428371	28	3234458	0
PML - 6.6 KV U3B (Unit I/C U3)	58334579	0	60827984	0	2493405	0
PML - 6.6 KV U4A (Unit I/C U4)	28303044	55	31716561	55	3413517	0
PML - 6.6 KV U4B (Unit I/C U4)	97480948	0	445409	0	2964461	0
PML - 6.6 KV U5A (Unit I/C U5)	4089159	0	4566264	0	477105	0
PML - 6.6 KV U5B (Unit I/C U5)	1034924	0	1585784	0	550860	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2963.86	0	2965.33	0	1470	0
Total consumption by unit bus from Station					950448	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1470	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1686129		1700105		13976000	
Cummins feeder at Cummins end	83195		85364		2169000	
Lafarge feeder at Lafarge end	273678.1394		280069.9519		6391813	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1725753	1739258	16206000	MF1200000		
Lin # 9 SECURE METER Reading	3766.02	3804.47	38450000	MF1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	27163136	36.51	Generator # 4 reactive	40965312	55.06	
Generator # 2 reactive	22978560	30.89	Generator # 5 reactive	8765952	11.78	
Generator # 3 reactive	35808256	48.13				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	21254692	5	21387752	5	133060	0
Air Comp 1B (U1B Bus)	19736294	3	19987821	3	251527	0
Air Comp 2A (U2A Bus)	14645675	78921552	14954380	78921552	308705	0
Air Comp 2B (C3 Bus)	9154636	19276814	9521180	19276814	366544	0
Air Comp 2C (U3A Bus)	84530383	329	84855080	329	324697	0
Air Comp 4A (U 4A Bus)	26074185	0	26314771	0	240586	0
Air Comp 4B (U 4B Bus)	42072850	0	42376596	0	303746	0
Air Comp 5B (U5B Bus)	55133657	3727	55133699	3727	42	0
					Total Comp Load	1928907
CLPH unit # 1 Readings						
CLPH INC 1	15705.45	10	15861.06	10	155611	0
CLPH INC 2	11237.48	16	11327.94	16	90464	0
CT FAN BUS A SIDE	6422.47	16294	6493.70	16294	71235	0
CT FAN BUS B SIDE	6368.04	64	6439.12	64	71080	0
					Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)	103760

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Mar-23 12:00:00 AM TO: 31-Mar-23 12:00:00 AM
Report Generated on : 01-Apr-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	4006241	Total station to unit tie load	950448	3100199	< allocated load	
Total Compressor load on units	1562363	Total common load on CLPH bus for allocation	103760			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	46316544	75419648	87772160	85221952	17269760	312000064
Unit Load	4455074	5657865	6208796	6887156	1105408	24314299
Compressor Load allocation	231933	377669	439525	426755	86480	1562363
CLPH load allocation	15403	25082	29190	28342	5743	103760
Corrected Unit Load	4214064	5751911	6352814	6797921	1197589	24314299
% Unit Consumption	9.10	7.63	7.24	8.01	6.93	7.79%
Allocated Station Load	460226	749410	872151	846811	171602	3100199
Station to unit consumption	0	17404	0	0	884258	901662
Total station load for each unit	460226	766814	872151	846811	1055860	4001861
% station load	0.99%	1.02%	0.99%	0.99%	6.11%	1.28%
Total Aux. consumed by unit	4674290	6518725	7224965	7644731	2253448	28316160
% of Aux. Consumption	10.09%	8.64%	8.23%	8.97%	13.05%	9.08%
Deemed PLF	100.00%	99.59%	100.00%	100.00%	23.62%	
PLF %	92.23%	84.48%	98.31%	95.45%	19.34%	76.59%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature

Date & Time

01-Apr-23 10:00:00 AM

Date & Time

01-Apr-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

ANNEXURE-R2**Calculation of Heat Rate- Unit-2: FY 2022-23**

Unit-2		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Gross Generation	MU	79.94	74.09	79.49	75.64	72.05	67.85	75.35
Total Coal Consumed	MT	47111.00	59103.00	56744.73	51951.00	49442.67	46326.23	46899.00
LDO Consumption	KL	0.00	6.32	7.00	4.47	0.92	2.60	1.00
Weighted Avg Coal GCV	kCal/Kg	4289.20	3186.36	3539.36	3690.59	3699.08	3721.31	4073.12
LDO GCV	kCal/KL	8413.18	8229.62	9055.80	8513.40	8511.10	9116.25	8403.07
Total Heat Input Coal	MCal	202068454.48	188323691.95	200840294.49	191729634.01	182892441.51	172394272.56	191025139.95
Heat Input-LDO	MCal	0.00	52011.20	63390.60	38071.92	7864.26	23702.25	8403.07
Total Heat Input	MCal	202068454.48	188375703.15	200903685.09	191767705.94	182900305.77	172417974.81	191033543.02
HEAT RATE	Kcal/kWh	2527.64	2542.40	2527.28	2535.41	2538.46	2541.27	2535.32

Unit-2		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	2022-23
Gross Generation	MU	76.42	63.55	77.25	64.18	75.42	881.23
Total Coal Consumed	MT	46962.00	41879.73	50401.00	39705.45	48341.41	584867.22
LDO Consumption	KL	0.00	2.00	2.00	40.00	15.24	81.55
Weighted Avg Coal GCV	kCal/Kg	4119.12	3866.59	3877.79	4098.27	3955.05	3819.69
LDO GCV	kCal/KL	8349.00	8511.10	9009.00	8884.70	9026.71	8845.92
Total Heat Input Coal	MCal	193442168.58	161931660.31	195444723.08	162723536.78	191192789.65	2234008807.34
Heat Input-LDO	MCal	0.00	17022.20	18018.00	355388.00	137530.88	721402.38
Total Heat Input	MCal	193442168.58	161948682.51	195462741.08	163078924.78	191330320.52	2234730209.72
HEAT RATE	Kcal/kWh	2531.30	2548.51	2530.31	2540.91	2536.88	2535.92

Calculation of Heat Rate- Unit-3: FY 2022-23

Unit-3		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Gross Generation	MU	76.58	80.87	76.19	81.12	81.07	77.39	70.11
Total Coal Consumed	MT	50799.69	59131.26	52958.77	55996.24	53637.09	51618.43	44512.91
LDO Consumption	KL	26.00	4.00	1.00	23.00	0.00	26.50	0.00
Weighted Avg Coal GCV	kCal/Kg	3815.83	3467.51	3641.98	3663.37	3823.02	3794.37	4002.62
LDO GCV	kCal/KL	8413.18	8229.62	9055.80	8513.40	8511.10	9116.25	8403.07
Total Heat Input Coal	MCal	193842882.98	205038512.29	192874901.24	205134924.26	205055901.49	195859506.95	178168324.31
Heat Input-LDO	MCal	218742.78	32918.48	9055.80	195808.20	0.00	241580.63	0.00
Total Heat Input	MCal	194061625.76	205071430.77	192883957.04	205330732.46	205055901.49	196101087.57	178168324.31
HEAT RATE	Kcal/kWh	2534.14	2535.96	2531.56	2531.22	2529.27	2533.97	2541.30

Unit-3		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	2022-23
Gross Generation	MU	49.53	66.65	84.38	75.48	87.77	907.14
Total Coal Consumed	MT	30989.97	44197.37	55858.00	49900.00	55253.99	604853.72
LDO Consumption	KL	60.00	2.00	44.00	0.00	1.00	187.50
Weighted Avg Coal GCV	kCal/Kg	4067.72	3839.56	3809.89	3821.95	4003.69	3796.75
LDO GCV	kCal/KL	8349.00	8511.10	9009.00	8884.70	9026.71	8647.95
Total Heat Input Coal	MCal	126058507.30	169698556.76	212812785.82	190715272.94	221219987.27	2296480063.59
Heat Input-LDO	MCal	500940.00	17022.20	396396.00	0.00	9026.71	1621490.80
Total Heat Input	MCal	126559447.30	169715578.96	213209181.82	190715272.94	221229013.97	2298101554.39
HEAT RATE	Kcal/kWh	2555.22	2546.25	2526.91	2526.56	2520.49	2533.35

Calculation of Heat Rate- Unit-2&3 Combined: FY 2022-23

Unit-2&3 COMBINED		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Gross Generation	MU	156.52	154.96	155.69	156.75	153.12	145.24	145.46
Total Coal Consumed	MT	97910.69	118234.26	109703.50	107947.24	103079.76	97944.66	91411.91
LDO Consumption	KL	26.00	10.32	8.00	27.47	0.92	29.10	1.00
Weighted Avg Coal GCV	kCal/Kg	4043.60	3326.97	3588.90	3676.47	3763.57	3759.81	4038.79
LDO GCV	kCal/KL	8413.18	8229.62	9055.80	8513.40	8511.10	9116.25	8403.07
Total Heat Input Coal	MCal	395911337.46	393362204.24	393715195.73	396864558.27	387948343.00	368253779.51	369193464.25
Heat Input-LDO	MCal	218742.78	84929.68	72446.40	233880.12	7864.26	265282.88	8403.07
Total Heat Input	MCal	396130080.24	393447133.92	393787642.13	397098438.40	387956207.26	368519062.39	369201867.32
HEAT RATE	Kcal/kWh	2530.82	2539.04	2529.37	2533.24	2533.59	2537.38	2538.20

Unit-2&3 COMBINED		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	2022-23
Gross Generation	MU	125.95	130.20	161.62	139.67	163.19	1788.37
Total Coal Consumed	MT	77951.97	86077.10	106259.00	89605.45	103595.40	1189720.94
LDO Consumption	KL	60.00	4.00	46.00	40.00	16.24	269.05
Weighted Avg Coal GCV	kCal/Kg	4098.69	3852.71	3842.10	3944.39	3981.00	3808.03
LDO GCV	kCal/KL	8349.00	8511.10	9009.00	8884.70	9026.71	8707.96
Total Heat Input Coal	MCal	319500675.88	331630217.06	408257508.89	353438809.72	412412776.91	4530488870.93
Heat Input-LDO	MCal	500940.00	34044.41	414414.00	355388.00	146557.58	2342893.18
Total Heat Input	MCal	320001615.88	331664261.47	408671922.89	353794197.72	412559334.49	4532831764.11
HEAT RATE	Kcal/kWh	2540.70	2547.35	2528.53	2533.16	2528.06	2534.61

भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड
BHARAT PETROLEUM CORPORATION LIMITED

HALDIA COASTAL INSTALLATION
PATIKHALI

HALDIA-721602 WEST BENGAL

GSTIN : 19AAACB2902M1ZQ CIN : L23220MH1952GOI008931

PAN No. AAACB2902M TAN: PNEB10837B

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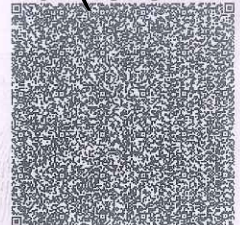
GST Invoice

INVOICE No.: 4640474606

DATE/TIME: 19.03.2021/10:07:23

IRN No.: 8aad1e7e2682af9ec4f204c90d75177a

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energising lives.

ADDRESS OF DELIVERY 116784 BILL TO PARTY 116784 SUPPLY PLANT 1201

TATA POWER CO LTD
POWER PLANT
JAJOBBERA
TATANAGAR
SINGHBHUM, JAMSHEDPUR-831016
STATE CODE - 20

TATA POWER CO LTD
POWER PLANT
JAJOBBERA
TATANAGAR
SINGHBHUM-831016
PAN: AAACT0054A
PLACE OF SUPPLY : JHARKAND
GSTIN : 20AAACT0054A2ZE

PO REF : 4800020731
SHIPMENT DOC No : 1048159406
DELIVERY No : 469250799
BY ROAD:TRUCK/TL No:WB19F1573

*1.C.NO
1403/20*

M

ARC

*SAP Data MTR7-HLD
5100103315 dt. 25/03/2021
P 1340604/ 3*

Product Description/ Product Code	Quantity PKG/UoM	Rate per Unit (Rs)	Taxable Value (Rs)	Taxes/ Other Charges Type/Rate	Amount (Rs)
01.LIGHT DIESEL OIL. HSN/SAC : 2710 (94000) Base Density 867.8 @ 15 deg C Temp :32.0 deg C Tank No:TK15	25 KL	46,310.15/KL DISCOUNT	1,157,753.75 -22,500.00	IGST 18% TCS U/S 206C(1H)	204,345.68 1,005.00

TATA POWER
25 MAR 2021
RECEIVED ACCOUNTS



*Date! - 20.3.21
Time! - 02:10 pm
Temp! - 32°C
Density! - 0.8560
Density @ 15°C! - 0.8676*

*1) 144.4
2) 144.8
3) 144.0
4) 143.2
5) 144.2*

Seed 7605307X2

TATA POWER JOJOBBERA
PHYSICAL VERIFICATION OF
ITEMS NOT DONE
SIGNATURE.....
DATE..... 20/03/2021

TATA POWER
IN
Date..... 20/03/2021
Time..... 10:12
Temp..... 32.0
Density..... 0.8560

TL-IN Time 10:40
TL-OUT Time 15:00

COMPARTMENT DETAILS (in cms)
1 DL : 145.1 PL : 177.2 5.00 KL
2 DL : 144.7 PL : 179.2 5.00 KL
3 DL : 144.6 PL : 178.3 5.00 KL
4 DL : 144.3 PL : 177.6 5.00 KL
5 DL : 143.2 PL : 178.4 5.00 KL

E-Way Bill No : 801147970527

IGST 204,345.68
ROUNDING OFF -0.43
TOTAL AMOUNT 1,340,604.00

TOTAL VALUE : Rs 1,340,604.00 (Rs. Thirteen Lakh Forty Thousand Six Hundred Four Only)

Tax is not payable on Reverse Charges basis.

RECEIVED WITHOUT
PREJUDICES SUBJECT TO
VERIFICATION & APPROVAL
THE TATA POWER CO. LTD.
JOJOBBERA POWER PLANT
JAMSHEDPUR

Pong
20/03/2021

MUDIT GARG

"Document is digitally signed"

Received the Goods mentioned above herein in good condition

Signature

SASF120

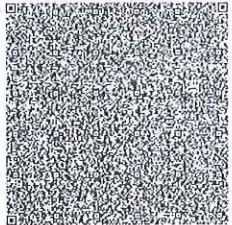
Signer: DS Bharat Petroleum Corporation Limited
Date: Fri, Mar 19, 2021 10:11:21 IST



भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड
BHARAT PETROLEUM CORPORATION LIMITED

HALDIA COASTAL INSTALLATION
 PATIKHALI
 HALDIA-721602 WEST BENGAL
 GSTIN : 19AAACB2902M1ZQ CIN : L23220MH1952G0100893
 PAN No. AAACB2902M TAN: PNB10837B

ORIGINAL FOR RECIPIENT
 GST Invoice
 INVOICE No.: 4640702813
 DATE/TIME: 13.08.2022/15:13:58
 IRN No.: 3ffa4792fdc02cc152a1b0cf26f36c32
 9ffcbbf6ba1214a8971ae1fa2e5b47cf



energising lives

ADDRESS OF DELIVERY 116784 BILL TO PARTY 116784 SUPPLY PLANT 1201

TATA POWER CO LTD
 POWER PLANT
 JAJOBERA
 TATANAGAR
 SINGHBHUM, JAMSHEDPUR-831016
 STATE CODE - 20

Handwritten: I.C.Ns 481/22-23

TATA POWER CO LTD
 POWER PLANT
 JAJOBERA
 TATANAGAR
 SINGHBHUM-831016
 PAN: AAAC10054A
 PLACE OF SUPPLY : JHARKAND
 GSTIN : 20AAACT0054A2Z1

PO REF: PO NO-4800020951
 SHIPMENT DOC No : 1052559522
 DELIVERY No : 476094958
 BY ROAD: TRUCK/TL No: WB19F1523

Handwritten: SAP Doc Ref MIR7-TP-R(P)
 51000AT721 D1.17/08/2022

Product Description/ Product Code	Quantity PKG/UoM	Rate per Unit (Rs)	Taxable Value (Rs)	Taxes/ Other Charges Type/Rate	Amount (Rs)
01.LIGHT DIESEL OIL HSN/SAC : 271019 (94000) Base Density 875.7 @ 15 deg C Temp :34.0 deg C Tank No:TK15	25 KL	78,730.00/KL DISCOUNT	1,968,250.00 -36,250.00	IGST 18% INVOICE No 2279760/347,760.00 LBS TDS US 4Q (1932) @ 0.100/m Rev NET PAYABLE No 22,77,828	347,760.00

Red Stamp: TATA POWER RECEIVED ACCOUNTS 17 AUG 2022

Blue Stamp: TATA POWER IN Date: 16/08/2022 Time: 11:00 MCF No: 15905 R. Si. No: 18117 S/Sig: [Signature]

Purple Stamp: TATA POWER JOJOBERA PHYSICAL VERIFICATION OF ITEMS NOT DONE SIGNATURE: [Signature] DATE: 16/8/2022

- 1) 143.6
- 2) 142.4
- 3) 140.4
- 4) 140.8
- 5) 140.6

Blue Stamp: IC No. DELIVERY TAKEN WITHOUT PREJUDICES SUBJECT TO VERIFICATION & APPROVAL THE TATA POWER CO. LTD. JOJOBERA POWER PLANT JAMSHEDPUR 16/08/2022



Handwritten: Date -> 16/08/22 Time -> 2:00 PM Temp -> 30°C Density -> 0.864 at 15 -> 0.8749

COMPARTMENT DETAILS (in cms)

1 DL 142.7 PL 185.7 5.00 KL
2 DL 141.6 PL 183.7 5.00 KL
3 DL 139.5 PL 184.6 5.00 KL
4 DL 140.4 PL 186.4 5.00 KL
5 DL 140.5 PL 186.2 5.00 KL

E-Way Bill No : 811245973776

Handwritten: GRN 5000818392 17/08/2022

IGST TOTAL AMOUNT 347,760.00 2,279,760.00

TOTAL VALUE : Rs 2,279,760.00 (Rs. Twenty Two Lakh Seventy Nine Thousand Seven Hundred Sixty Only)

Tax is not payable on Reverse Charges basis.

Handwritten: S/NO: 6027602/03

Received the Goods mentioned above herein in good condition

Signature

Handwritten Signature: [Signature]

ALEXIUS KUITIJ
 "Document is digitally signed"

Signer: DS BHARAT PETROLEUM CORPORATION
 Date: Sat, Aug 13, 2022 15:15:20 IST

Independent Auditor's Report on Statement of monthly stock balance of various coal types at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

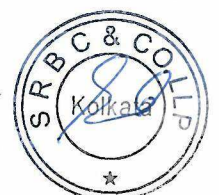
1. This Report is issued in accordance with the terms of our service scope letter dated August 16, 2023 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended 31st March 2023.
2. At the request of the management, we have examined the attached "Statement of monthly stock balance of various coal types at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of the Company" (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2023, which we have initialed for identification purposes only. This Report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2023 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020.

Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.
4. The Management is also responsible for ensuring that the Company complies with the requirements of and for providing all relevant information to the JSERC.

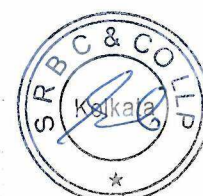
Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether monthly stock of various Coal Types at Jojobera division for the financial year ended March 31, 2023 as stated in the Statement have been extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2023.
6. We have audited the standalone financial statements of the company for the year ended March 31, 2023, on which we have issued an unmodified opinion vide our report dated May 4, 2023. Our audit of the standalone financial statements was conducted in accordance with the Standards on



Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.

7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.
8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.
9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedure performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:
 - a) Obtained the statement of monthly stock balance of coal of various type at Jojobera division for the year ended March 31, 2023 containing details of month wise receipts and consumption of different types of coal as prepared and compiled by the Company based on information available as per MB51 report in the SAP (ERP used by the Company for its accounting purpose).
 - b) Traced the details of month wise receipts and consumption of various types of coal as stated in the statement to the material ledger (MB51 report) available in SAP. We have relied on such report and not performed any procedures.
 - c) Examined sample items of receipts and issue of various types of coal from the details provided to us by the Company on a test basis from the underlying information available in the ERP as stated in paragraph 10(a) above. We noted that separate purchase orders are issued for each vendor and receipts are recorded in the material ledger against the said purchase order for each of the selected sample. For issues, consumption is recorded material wise in the material ledger on the basis of the report received from coal logistics team. We have however not performed any procedures to ensure the completeness and accuracy of the details of the coal type wise prepared by the management.
 - d) Tested the arithmetical and clerical accuracy of the Statement.
 - e) Performed necessary inquires with the management and obtained necessary representations. The management has represented to us that the Company has complied with the requirements of the JSERC.
 - f) The above-mentioned procedures include examining evidence on a test basis supporting the particulars in this Statement. Further, our scope of work did not involve us performing audit test for the purposes of expressing an opinion on the fairness or accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.



S R B C & CO LLP

Chartered Accountants

Conclusion

10. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanation and management representations received by us, nothing has come to our attention that causes us to believe that the Statement showing monthly stock balance of various coal types at Jobbera Division of the Company for the year ended March 31, 2023 as stated in the Statement have not been accurately extracted from the relevant books of account and records underlying the audited standalone financial statements for the year ended March 31, 2023.

Restriction on Use

11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP

Chartered Accountants

ICAI Firm Registration Number: 324982E/E300003

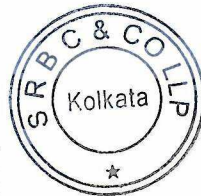


per Sanjay Agarwal

Partner

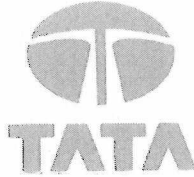
UDIN No: 23055833BGXYKF7406

Membership Number: 055833



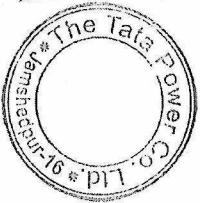
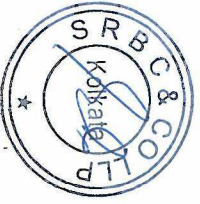
Place of Signature: Kolkata

Date: November 17, 2023



Statement of monthly stock balance of various coal types at unit # 1, 2, 3 and 4 of Jhobera generation plant (Jhobera Division) of the Company for the year ended March 31, 2023

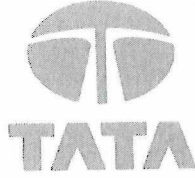
Coal Types	Coal material codes	Material description	Particulars												Total				
			Unit	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23		Mar-23			
MCL Coal	430000036	COAL	Opening Stock	Ton	3,004	2,289	4,025	3,789	3,728	3,318	3,154	0	3,554	3,440	0	4,075	22,546		
			Receipts	Ton	3,547	3,659	-	3,739	3,876	4,039	3,154	3,654	214	3,440	-	4,075	188	3,887	
			Consumption	Ton	4,261	1,921	235	46	4,154	3,743	3,176	3,154	0	3,554	3,440	0	3,887	3,887	
Tailing by Road Coal	430000037	FUEL,COAL,MCL OR WESTBOCACRO JALO WB	Opening Stock	Ton	369	369	369	369	369	369	369	369	369	369	369	369	369	369	
			Receipts	Ton	-	653	5,022	4,977	4,977	4,977	4,977	4,977	4,977	4,977	4,977	4,977	4,977	4,977	
			Consumption	Ton	-	144	144	30	453	4,530	4,514	1,285	2,505	224	78	-	144	11,205	
WB Scrap Coal	430000038	REJECT COAL,FUJJOBERA	Opening Stock	Ton	2,248	2,518	7,177	8,875	8,640	9,750	6,205	2,412	2,874	2,874	2,788	2,782	2,782	2,248	
			Receipts	Ton	270	4,856	1,676	35	1,456	251	848	2,027	848	2,027	-	-	-	11,205	
			Consumption	Ton	369	1,036	5,914	10,882	10,389	5,889	3,770	4,986	4,762	4,986	4,686	4,541	4,541	4,541	2,248
Mahar Coal	430000100	FUEL,COAL	Opening Stock	Ton	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
			Receipts	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Consumption	Ton	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
2 Product Coal	430000059	FUEL,COAL,MCL OR WESTBOCACRO WASH ERY	Opening Stock	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Receipts	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Consumption	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCL SHAKTI	430000180	FUEL,SHAKTI COAL, MCL	Opening Stock	Ton	12,575	12,575	12,575	12,575	12,575	12,575	12,575	12,575	12,575	12,575	12,575	12,575	12,575	12,575	
			Receipts	Ton	10,921	18,515	11,195	19,491	15,519	12,225	8,236	15,255	22,998	21,460	17,457	14,692	14,692	14,692	
			Consumption	Ton	4,942	28,420	9,413	13,67	22,559	6,566	12,240	1,204	21,591	21,460	17,457	14,692	14,692	14,692	
WB Middling New	430000230	FUEL,MIDDLING - CPP	Opening Stock	Ton	45,187	52,045	23,447	59,526	94,064	92,631	93,858	84,070	114,776	97,820	90,321	45,219	45,219	5,084	
			Receipts	Ton	42,255	45,445	32,950	67,338	56,960	47,328	47,160	81,604	15,603	32,559	7,495	45,102	45,219	5,084	
			Consumption	Ton	34,537	74,942	46,581	51,499	60,993	46,101	56,948	50,859	97,820	90,321	88,324	84,070	84,070	84,070	
WB Middling New	430000281	FUEL,MIDDLING,PP	Opening Stock	Ton	52,245	22,447	59,826	94,064	92,631	93,858	84,070	114,776	97,820	90,321	45,219	45,219	5,084	5,084	
			Receipts	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Consumption	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCL Coal	430000130	CCL WASHED COAL	Opening Stock	Ton	39,470	20,259	19,001	21,046	34,235	2,725	2,815	8,437	38,924	22,820	12,529	19,298	28,779	28,779	
			Receipts	Ton	19,214	20,514	17,351	24,471	3,879	4,752	11,828	16,585	4,120	12,289	92	3,209	1,520	1,520	
			Consumption	Ton	23,255	24,859	21,045	20,595	53,009	8,155	23,532	4,120	12,289	67	3,209	1,520	1,520	1,520	
NCL	430000082	COAL,GRADER:68	Opening Stock	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Receipts	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Consumption	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ECL SHAKTI	430000182	FUEL,SHAKTI COAL, ECL	Opening Stock	Ton	12,818	2,752	3,620	11,588	6,992	5,225	2,823	3,907	7,488	11,695	3,566	7,145	7,145	7,145	
			Receipts	Ton	7,789	7,275	3,620	3,951	3,951	3,911	15,853	3,942	7,778	11,615	11,615	11,615	11,615	11,615	
			Consumption	Ton	17,354	6,408	3,620	4,096	5,719	6,113	14,816	7,942	3,10	7,468	14,695	14,695	14,695	14,695	
ECL	430000058	COAL,GRADER:64	Opening Stock	Ton	20,595	3,274	7,161	6,394	11,557	7,985	6,957	19,646	3,662	10,789	12,851	17,127	17,127	1,00,859	
			Receipts	Ton	15,521	1,584	9,280	8,394	3,084	9,552	6,957	19,646	3,662	10,789	12,851	17,127	17,127	1,00,859	
			Consumption	Ton	15,521	1,584	9,280	8,394	3,084	9,552	6,957	19,646	3,662	10,789	12,851	17,127	17,127	1,00,859	



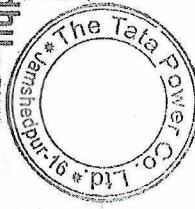
TATA POWER
The Tata Power Company Limited
Jhobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



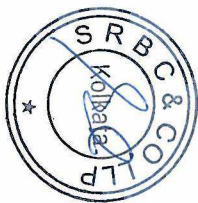


Jagmit Singh Sidhu
 CEO - IEL & Chief - Jamshedpur Operations
 The Tata Power Company Ltd.
 Jamshedpur-831016



Authorized signatory
 Pooja Jaiswal
 Date 17/11/2023

For and on behalf of The Tata Power Company Limited



Notes:
 1) Quantity receipt and consumed has been extracted from the Material Register (MSR) report in SAP and Statutory Auditors have relied on the same
 2) Opening stock of coal on April 1, 2022 and closing stock of coal as on March 31, 2023 has been extracted based on MSRS report available in SAP and statutory auditors have relied on the same.

Coal Types	Coal material codes	Material description	Statement of monthly stock balance of various coal types at Unit # 1, 2, 3 and 4 of Jobbera generation plant (Jobbera Division) of the Company for the year ended March 31, 2023												Total												
			Particulars		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23		Feb-23	Mar-23										
			Opening Stock	Receipts																							
COL SHAKTI	430000181	FUEL SHAKTI COAL COL	Opening Stock	Ton	34,283	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34,283			
			Receipts	Ton	12,559	-	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,559		
			Consumption	Ton	46,748	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46,748	
COL SHAKTI -WIV	430000220	FUEL WASHERY COAL-COL	Opening Stock	Ton	3,237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,237		
			Receipts	Ton	-	-	13,415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,415	
			Consumption	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIOMASS	430000240	FUEL ASFC-GASSED BIOMASS PELLETS	Opening Stock	Ton	3,237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,237		
			Receipts	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Consumption	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COL SFA	430000241	FUEL SPECIAL FORWARD AUCTION	Opening Stock	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Receipts	Ton	-	-	50,409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,409	
			Consumption	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COL SHAKTI R-III	430000230	FUEL COAL SHAKTI ROUND # 3	Opening Stock	Ton	12,405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,405		
			Receipts	Ton	8,334	-	7,714	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16,048	
			Consumption	Ton	16,814	-	3,925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,739
TOTAL COAL			Opening Stock	Ton	1,46,963	1,35,120	1,04,168	1,73,473	2,04,197	1,98,504	1,70,927	1,63,036	2,51,701	3,02,245	2,37,473	1,81,395	1,46,963										
			Receipts	Ton	1,24,648	1,79,837	2,25,597	2,08,167	1,70,414	1,42,482	1,59,339	2,40,925	1,02,261	1,41,718	76,723	59,532	1,74,099	20,18,063									
			Consumption	Ton	1,86,491	1,90,488	1,85,282	1,77,443	1,78,607	1,70,129	1,67,290	1,52,269	1,41,718	2,37,473	1,81,395	1,70,161	1,70,161	1,70,161									



Independent Auditor's Report on Statement of monthly stock balance of light diesel oil (LDO) at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

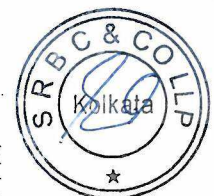
1. This Report is issued in accordance with the terms of our service scope letter dated August 16, 2023 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended 31st March 2023.
2. At the request of the management, we have examined the attached "Statement of monthly stock balance of light diesel oil (LDO) at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of the Company" (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2023, which we have initialed for identification purposes only. This Report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2023 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020.

Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.
4. The Management is also responsible for ensuring that the Company complies with the requirements of and for providing all relevant information to the JSERC.

Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether the details of monthly stock of LDO at Jojobera division for the financial year ended March 31, 2023 as stated in the Statement have been extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2023.



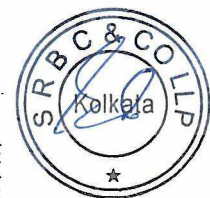
SRBC & CO LLP

Chartered Accountants

6. We have audited the standalone financial statements of the Company for the year ended March 31, 2023 on which we have issued an unmodified opinion vide our report dated May 4, 2023. Our audit of the standalone financial statements was conducted in accordance with the Standards on Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.
7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.
8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.
9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedure performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:
 - a) Obtained the statement of monthly stock balance of LDO of Jojobera division for the year ended March 31, 2023 as extracted from the material management module of the unit's ERP system.
 - b) Traced the opening stock and closing stock as at April 1, 2022 and March 31, 2023 respectively as stated in the Statement with the physical verification report as received from the Company.
 - c) Traced the details of the month wise receipt and consumption of LDO as prepared and compiled by the Company based on information available in the SAP (ERP used by the Company for its accounting purpose) to the material ledger (MB51 report) available in SAP. We have relied on such report and not performed any procedures.
 - d) Tested the arithmetical and clerical accuracy of the Statement.
 - e) Performed necessary inquires with the management and obtained necessary representations. The management has represented to us that the Company has complied with the requirements of the JSERC.
 - f) The above-mentioned procedures include examining evidence on a test basis supporting the particulars in this Statement. Further, our scope of work did not involve us performing audit test for the purposes of expressing an opinion on the fairness or accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.

Conclusion

10. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanation and management representations received by us, nothing has come to our attention that causes us to believe that the Statement showing monthly stock balance of light diesel oil (LDO) at Jojobera Division of the Company for the year ended March 31, 2023 as



SRBC & CO LLP

Chartered Accountants

stated in the Statement have not been accurately extracted from the relevant books of account and records underlying the audited standalone financial statements for the year ended March 31, 2023.

Restriction on Use

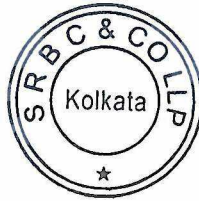
11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For SRBC & CO LLP
Chartered Accountants

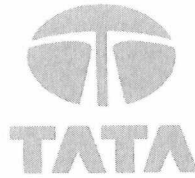
ICAI Firm Registration Number: 324982E/E300003



per Sanjay Agarwal
Partner
UDIN No: 23055833BGXYKG1119
Membership Number: 055833



Place of Signature: Kolkata
Date: November 17, 2023



Jagmit Singh
 CEO - IEL & Chief - Jamshedpur Operations
 The Tata Power Company Ltd.
 Jamshedpur-831016



Authorised Signatory
 Place : Jojobera
 Date : 17.11.2023

For and on behalf of The Tata Power Company Limited

Statement of monthly stock balance of light diesel oil (LDO) at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of the Company for the year ended March 31, 2023

Particular	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
Opening Stock	Kilo Litre (Kl)	711.08	705.08	754.76	723.47	646.49	683.57	680.32	774.85	712.30	758.30	708.30	704.51	711.08
Receipts	Kilo Litre (Kl)	100.00	100.00	-	50.00	100.00	50.00	100.00	-	100.00	-	200.00	-	800.00
Consumption	Kilo Litre (Kl)	-106.00	-50.32	-31.30	-126.97	-62.92	-53.25	-5.47	-62.55	-54.00	-50.00	-203.80	-18.24	-824.81
Closing Stock	Kilo Litre (Kl)	705.08	754.76	723.47	646.49	683.57	680.32	774.85	712.30	758.30	708.30	704.51	686.27	686.27

Note-

- 1) Quantity receipt and consumed has been extracted from the material ledger (i.e. MBS1 report) in SAP and statutory auditors have relied on the same.
- 2) Stock balance as on April 1, 2022 and March 31, 2023 has been extracted based on MBSB report available in SAP and statutory auditors have relied on the same.



TATA POWER

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001

CIN : L27100MH1907PLC000260
 PAN : AAAC212803M
 GSTIN : 20AAACT12803M220



TATA STEEL LIMITED
 West Bokaro Division, Ramgarh- 825314, Jharkhand, India
 REGD. OFFICE - BOMBAY HOUSE, 24 HOWI MODY STREET, FORT, MUMBAI - 400001
TAX INVOICE

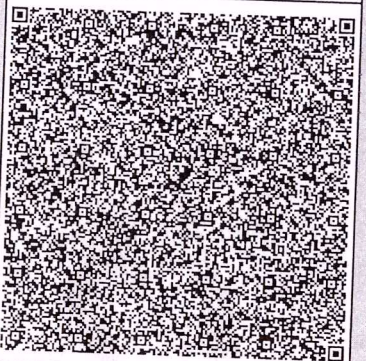
** DUPLICATE FOR TRANSPORTER **
 Page 1 of 2



Bill To : 128109
 Name : Tata Power Company Ltd (unit-3)
 Address 1 :
 Address 2 : Jharkhand Power Plant
 State : Jharkhand
 GSTIN : 20AAACT0054A2ZE
 Place of Supply : "dist: Singhbhum,jamshedpur" Jharkhand India 831016
 State Code : JH / 20
 PAN No : AAAC2T0054A

Ship To : 128109
 Name : Tata Power Company Ltd (unit-3)
 Address 1 :
 Address 2 : Jharkhand Power Plant
 Address 3 : "dist: Singhbhum,jamshedpur" Jharkhand India 831016
 State : Jharkhand
 State Code : JH / 20
 GSTIN : 20AAACT0054A2ZE
 PAN No : AAAC2T0054A

GST Invoice No. : 3433276744 Date : 25.10.2022
SO No. : 40416490 Date : 19.10.2022
DO No. : 9516457307 Date : 19.10.2022
PO No. : Mail of Smeysa Pandey Date :
 19.10.2022
Delivery No. : 902541684 Date : 25.10.2022
Destination : JAMSHEDPUR
Destination Code : 1894
Despatch Plant : 5200
Type : CATVA Incoterms : FOB
Transporter Name & Code :
 IRN : 6a4f10721e04852c968682e949d3c2efedf6e3c0479be947cd4bce8fbc
 e73a06fcb



e-Way Bill No. : 401287342386 Valid till : 27.10.2022 23:59:00
 Weight SL No. : 2510220026 LR/RR No. :
 Freight : TO PAY Freight Amt : 0.00
 LR/RR Date : 25.10.2022 RR Weight : 0.000 (TO)
 Vehicle No. : NL01AF5868 Tare Weight : 14.630 (TO) Gross Weight : 54.750 (TO) Net Weight : 40.120 (TO)

Item	Product Details	HSN Code	Pieces	Gross Wt (TO)	Quantity (TO)	Particulars	Rate (Rs./TO)	Total (Rs.)
1	140000553 TAILINGS WEST BOKARO	27011910	40.120	40.120		BASIC PRICE ROYALTY DMF@30%of ROYLTY NMET@2%of ROYLTY OTHER CHARGES COVID-19 CESS TRANSPORT FEE - FOREST MANAGEMENT FEE MATERIAL VALUE FREIGHT VALUE TAXABLE VALUE CGST @ 2.50 % SGST @ 2.50 % GST COMP CESS	6,076.98 850.78 255.23 17.02 682.66 0.00 10.00 57.00 2,286.84 0.00 7,289.80 291,592.16 0.00 7,289.80 16,048.00	243,808.44 34,133.18 10,239.95 682.66 0.00 401.20 2,286.84 40.12 291,592.16 0.00 7,289.80 7,289.80 16,048.00

Item	Pieces/Bags	Batch/Lot No.	Gross Wt(TO)	Net Wt (TO)	Cast /Challan	Length
1	0		40.120	40.120		16,048.00

PACKAGING DETAILS

Item	Pieces/Bags	Batch/Lot No.	Gross Wt(TO)	Net Wt (TO)	Cast /Challan	Length
1	0		40.120	40.120		16,048.00

TATA POWER
 IN
 Date: 26/10/2022
 Time: 2:05
 MCF No: 11350
 R. Sl. No: 99918
 S/Sig: Dali Beher

TATA POWER JOJOBERA
 PHYSICAL VERIFICATION OF
 ITEMS NOT DONE
 SIGNATURE: Dali Beher
 DATE: 26/10/2022

Tax Invoice

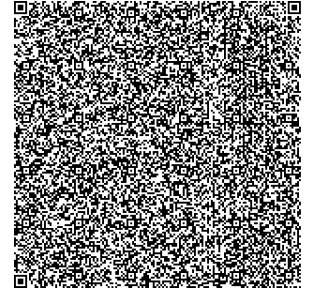
62



CENTRAL COALFIELDS LIMITED
(Subsidiary of Coal India Limited) Darbhanga House, Kutchery Rd. Morabadi, Ranchi (JH) 0651-2360687 0651-2360257

Supplier Legal Name: Central Coalfields Limited
Supplier Address : Darbhanga House Kutchery Rd, Ranchi
Supplier City : Ranchi
Supplier State : Jharkhand
Supplier Pincode : 834029
Supplier GSTIN : 20AAACC7476RHZT
Supplier CIN : U10200JH1956GOI000581
Supplier Email :
Supplier Phone : 0651 236

Area Code : CO13
Area Description : Piparwar
Invoice Number : CCL222323001963
SAP ref. Inv. No. : 9320114499
Invoice Date : Nov 30, 2022
Contract Reference: 3093000081
Contract Type : FSA Linkage
Sales Order : 3345024571
Sale Order Date : Dec 1, 2022
Delivery Number : 8001164212
Mode Of Dispatch : RAIL



IRN No: 42b17d01c789d55333eb2763db0babfd2103a1bfe877e3fa8ccdd11b43995313

Receiver(Billed To)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
EAST SINGHBHUM 831016
City : EAST SINGHBHUM
Pincode : 831016
State : Jharkhand
Phone number:
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com

Consignee(Shipped to)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
831016
City : EAST SINGHBHUM
Pincode : 831016
State : Jharkhand
Phone number :
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com

Details of Dispatch

PI. No. : N/A
PI. Date : N/A - -
RR_NO :
RR_DATE :
Net Weight : 4,145
DNote No. :
DNote date :
Siding : RAJDHAR (RDML) (LS03)
Rake sq. no. :
Sanction No. :
STC Slab : (3-10KM)

SAP Del No.	Mine	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8001164212	ASHOKA OC	4100000000	G11/-100 MM	4000-4300	NON-COKING COAL	27011200	TE	99.30	965.00	4145.00

PARTICULARS

Pricing Description	Rate Per TE(INR)	Amount (INR)
Basic Price		3999925.00
Sizing Charges		360615.00
STC Charges		411598.50
Evac Facility Charge		248700.00
Management Fees		4145.00
Covid cess		41450.00
Royalty Charges (14.00 % of Basic Price)		559989.50
NMET Charges(2.00 % of Royalty)		11199.79
DMF(30.00 % of Royalty)		167996.85
Forest Transit Fee		236265.00
Reimbursement of CUF		248700.00
GST Taxable Value		6290584.64
CGST(2.5%)		157264.62
SGST(2.5%)		157264.62
GST Comp Cess		1658000.00
Gross Bill Value		8263113.88
Less Underloading Charges(0.000 TE)		0.00
Net Value		8263113.88

Total Amount: 8263113.88

Remarks/Note/ Declaration

Reverse Charge Applicable: No

Total Bill Value In words : EIGHTY TWO LAKH SIXTY THREE THOUSAND ONE HUNDRED THIRTEEN RUPEES EIGHTY EIGHT PAISE

Certified that:

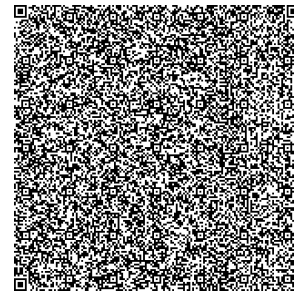
1. Bill has been claimed as per the price of the coal and taxes/duties applicable on the date of dispatch.
2. Statutory taxes / duties are actually payable and will be paid to the statutory authority.
3. Adjustment if any required , will be made through debit/ credit notes.
4. The particulars given above are true and correct.



Eastern Coalfields Limited
Sanctoria, Dist.-Paschim
Bardhaman P.O.-Dishergarh,
Postal Code.-713333
0341-2520052-53 0341-2523574
WWW.EASTERNCOAL.GOV.IN

Supplier Legal Name : Eastern Coalfields Limited(Sonepur Bazari)
Supplier Address : Sonepur Bazari Colliery
Supplier City : P.O.- Bahula Dist.- Paschim Bardhaman
Supplier State : West Bengal
Supplier Pincode : 713322
Supplier GSTIN : 19AAACE7590E1ZI
Supplier CIN : U10101WB1975GOI030295

Area Code : E007
Area Description : Sonepur Bazari
Invoice Number : ECL222723002054
SAP ref. Inv. No. : 9400158314
Invoice Date : Nov 30, 2022
Contract Reference:3040010877
Sector : Power
Sales Order : 3250018398
Sale Order Date : Nov 1, 2022
Delivery Number : 8001164922
Mode Of Dispatch : RAIL



IRN No: a880bb9b8822cd60f05f6d889e4ec13bf274a0d5423dc6590bad9aeabbe50d8
182212638609194

Receiver(Billed To)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
EAST SINGHBHUM 831016
City : EAST SINGHBHUM
Pincode : 831016
State : Jharkhand
Phone number:
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com

Consignee(Shipped to)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
831016
City : EAST SINGHBHUM
Pincode : 831016
State : Jharkhand
Phone number:
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com
DESTN : PTJT

Details of Dispatch

PI. No. : N/A
PI. Date : N/A - -
RR_NO : 00162000513
RR_DATE : Nov 30, 2022
Net Weight : 3,974.27
DNote No. : 163013
DNote date : Nov 29, 2022
Siding : NEW SIDING(PSBP)
Loading Date : Nov 30, 2022
Rake sq. no. : 00000583
No. of Wagons : 58
Sanction No. : CMP/ASN/ECF/C/ELC/JH/ASN/
STC Slab : (3-10KM)

SAP Del No.	Mine	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8001164922	Sonepur Bazari OC	4100000152	G4/-100 MM ROM	6101-6400	NON-COKING COAL	27011200	TE	71.00	3010.00	3974.27

PARTICULARS

Pricing Description	Rate Per TE(INR)	Amount (INR)
Basic Price		11962552.70
Sizing Charges	87.00	345761.49
STC Charges	71.00	282173.17
PWD Charges	1.00	3974.27
Evac Facility Charge	60.00	238456.20
Royalty Charges	6.50	25832.76
NMET Charges(2.00 % of Royalty)		516.66
DMF(30.00 % of Royalty)		7749.83
Rural Emplmnt Cess(20.00 % of Notified Price)	602.00	2392510.54
Primary Edu Cess(5.00 % of Notified Price)	150.50	598127.64
AMBH Cess	1.00	3974.27
Assessable Value	3991.08	15861629.53
IGST(5% of Assessable Value)		793081.48
GST Comp Cess	400.00	1589708.00
Gross Bill Value	4590.63	18244419.01
Less Underloading Charges(84.400 TE)	706.13	59597.37
Net Value	4575.64	18184821.64

Total Amount: 18184821.64

Sales Order Quantity: 0

Lifted Quantity: 0

Unlifted Quantity: 0

Balance Coal Value: 0

Remarks/Note/ Declaration

Reverse Charge Applicable: No

Total Bill Value In words : ONE CRORE EIGHTY ONE LAKH EIGHTY FOUR THOUSAND EIGHT HUNDRED TWENTY ONE RUPEES SIXTY FOUR PAISE

Certified that the particulars given above are true and correct and the amount indicated represents the price actually charged and that there is no flow of additional consideration directly or indirectly from the buyer.

This is digitally verified document hence manual/ physical signature is not required

Area : Sonepur Bazari
Telephone : 0341-2667483
Fax Number : 0341-2667274
E-Mail Address :

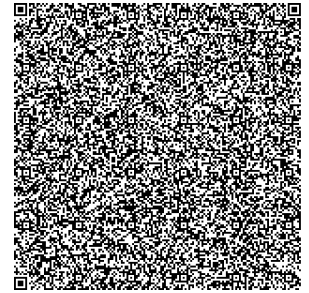
64



P.O. - Jagriti Vihar, Burla
District : Sambalpur -
768020 Odisha

Supplier Legal_Name: Mahanadi Coalfields
Limited
Supplier Address : Jagriti Vihar, Burla
Sambalpur 768020
Supplier City : Sambalpur
Supplier State : Odisha
Supplier Pincode : 768020
Supplier GSTIN : 21AABCM5188P1Z3
Supplier Email :
Supplier Phone : 916632542461

Area Code : MO12
Area Description : Mahalaxmi
Invoice Number : 9180038913
Invoice Date : Dec 1, 2022
Contract Reference:3030000279
Contract type : FSA Linkage
Sales Order : 1370000549
Sale Order Date : Nov 3, 2022
Delivery Number : 8001167206
Mode Of Dispatch : RAIL
Destination Code :



IRN No: cfl30a30a02143e7cb9d702f7d9928ffa14405d5eb452df7f1fc5a3d3ba27c61

Receiver(Billed To)

NAME THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
ADDRESS PO-RAHARGORA EAST SINGHBHUM
EAST SINGHBHUM 831016
City : EAST SINGHBHUM
Pincode : 831016
State code : Jharkhand
Phone number:
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com

Consignee(Shipped to)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
831016
City : EAST SINGHBHUM
Pincode : 831016
State code : Jharkhand
Phone number :
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com

Details of Dispatch

PI. No.
PI. Date
RR_NO : 181000351
RR_DATE : 20221201
Net Weight : 3,966.8
Dnote No. : 718.001
Rake serial No :
Dnote_DATE : 20221201
Siding : SARDEGA SDG
Loading Date : Dec 1, 2022
Rake sq. no. : 00002343
Sanction No. : CMP/CKP/MCFL/C/ELC/JH/IB/

Del No.	Plant	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8001167206	Kulda OC Mine	4100000000	G13/-100 MM	3401-3700	Bituminous Coal	27011200	TE	159.00	827.00	2627.60
8001167206	Garjanbahal OC Mine	4100000000	G14/-100 MM	3101-3400	Bituminous Coal	27011200	TE	159.00	758.00	1339.20

PARTICULARS

Pricing Description	Rate Per TON(INR)	Amount (INR)
Basic Price		3188138.80
Sizing Charges	87.00	345111.60
STC Charges		630721.20
Evac Facility Charge	60.00	238008.00
Royalty Charges (14% of Basic Price)		446339.43
NMET Charges(2% of Royalty)		8926.79
DMF(30% of Royalty)		133901.83
IGST		249557.38
GST Comp Cess	400.00	1586720.00
Gross Bill Value	1721.14	6827425.03
Less UL Charges(111.800TE)	797.20	89126.96
Net Value	1698.67	6738298.07

Remarks/Note/ Declaration

Total Amount: 6738298.07

Reverse Charge Applicable: No

Total Bill Value In words SIXTY SEVEN LAKH THIRTY EIGHT THOUSAND TWO HUNDRED NINETY EIGHT RUPEES SEVEN PAISE

Certified that the particulars given above are true and correct and the amount indicated represents the price actually charged and that there is no flow of additional consideration directly or indirectly from the buyer.

LC Ref.No : NA
LC Date :
Lc Amount : 0.00

Advising Bank Name : NA

This is digitally verified document hence manual/ physical signature is not required

Area : Mahalaxmi
Telephone :
Fax Number :
E-Mail Address :



Invoice No. 2022-23/01
Date: 01.05.2022

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by Tata Power Company Limited, (“Seller”) based on the order passed by the Hon'ble Commission in Mid-Term Review Petition (Case No. 01 of 2019) dated February 14, 2020 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“**Generation Tariff Regulations 2020**”). As per the abovementioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st April 2022 to 30th April 2022
2. Due Date: Is due and payable on 1st July 2022

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 157 of the Mid-Term Review order dated February 14, 2020 in Mid – Term Review Petition (Case (T) No. 01 of 2019) and further adjustment on account of Regulations 17.12. Amount of the Capacity Charges are based on proposed revised figure submitted in APR Petition for FY 2021-22. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

However, this is to mention that the instant bill is provisional, and it is subject to change based on final order passed by Hon'ble Commission for the control period FY 2022-26.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	Apr-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.67%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	79943680
	Ex-bus Generation for the Month	kWh	73278769
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88773300
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.899
	3.2 Total Energy Charges for the Month due	Rs	212435151
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	6448369
	4.2 Total Incentive for the Month due	Rs	4308564
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	433069
	5.2 Coal Cost Adjustment	Rs	-15755189
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-15322119
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	290194895
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2956170
7.0	Total Amount for the Current Billing Period (Rupees Twenty Eight Crore Seventy Two Lakhs Thirty Eight Thousand Seven Hundred and Twenty Five Only)	Rs	287238725

Appendix B1: Detailed Computation of Capacity Charges, Energy Charges & Incentive

1. Monthly Availability for Regulated Capacity - Unit 2		
Unit	2	Apr-22
Particulars	UoM	Value
Monthly Average Declared Capacity for the Month (DCi)	MW	108.84
Installed Capacity (I) for Regulated Business	MW	120
Monthly Average Declared Capacity for the Month (DCi) (for Regulated Capacity)	MW	108.84
Normative Aux. Power Consumption (AUXn) (As approved by Hon'ble JSERC)	%	9.00%
Availability for the Month (as per Regulation 17.4 of JSERC Generation Tariff Regulations 2020)	%	99.67%
No. of Days of the Month (N)	Days	30
YTD Availability at the end of the Month	%	99.67%

2. Details of Capacity Charges FY 2022-23 - Unit 2		
Unit	2	
Regulated Capacity (MW)	120	
Particulars	UoM	Values
Annual Fixed Charges proposed in APR Petition for FY 2021-22	Rs Crores	106.53
Total Capacity Charges for the year	Rs Crores	106.53

2a. Monthly Capacity Charges FY 2022-23 - Unit 2		
Particulars	UoM	Apr-22
Month	No.	1
No. of Days	No.	30
Monthly Availability (PAFM)	%	99.67%
YTD Availability	%	99.67%
Normative Availability (Approved by Hon'ble JSERC) (NAPAF)	%	85%
Capacity Charges payable by Tata Steel for the Month (as per Regulation 17.3 of JSERC Generation Tariff Regulations 2020)	Rs Crores	8.88
	Rs	8,87,73,300

3. Details of Energy Charge Rate FY 2022-23 - Unit 2		
Unit		2
Regulated Capacity (MW)		120
Particulars	UoM	Values
Normative Gross Station Heat Rate (as per JSERC Generation Tariff Regulations 2020)	Kcal/kWh	2550
Normative Auxiliary Power Consumption (as per JSERC Generation Tariff Regulations 2020)	%	9%
Base Weighted Avg GCV of Coal (Approved by Hon'ble JSERC)	Kcal/kg	3769
Base Weighted Avg Landed Price of Coal (Approved by Hon'ble JSERC)	Rs/Ton	3869
Base Weighted Avg GCV of LDO (Approved by Hon'ble JSERC)	Kcal/L	9100
Base Weighted Avg Landed Price of LDO (Approved by Hon'ble JSERC)	Rs/KL	49749
Normative Specific LDO Consumption (Approved by Hon'ble JSERC)	ml/kWh	0.500
Energy Charge Rate as per Regulations 17.8 of Generation Tariff Regulations 2020	Rs/kWh	2.899

3a. Monthly Energy Charges FY 2022-23 - Unit 2		
Unit 2 Particulars	Values	
	UoM	Apr-22
Actual Gross Generation for the Month	Kwh	79943680
Actual Aux Power Consumption	%	8.34%
Ex-Bus Generation for the Month	Kwh	73278769
Energy Charge Rate as per Regulations 17.8 of Generation Tariff Regulations 2020	Rs/Kwh	2.899
Total Energy Charges for the Month	Rs	21,24,35,151

4. Monthly Incentive Charges FY 2022-23 - Unit 2		
Particulars	UoM	Apr-22
No. of Days	No.	30
Net Generation during the Month (SGI) (As per Regulation 3.1 (55) of JSERC Generation Tariff Regulations 2020)	Kwh	73278769
YTD Net Generation for FY 2022-23	Kwh	73278769
Installed Capacity (I) for Regulated Business	MW	120
Normative Aux. Power Consumption (AUXn) (as per JSERC Generation Tariff Regulations 2020)	%	9%
Plant Load Factor (PLF) for the Month	%	93.20%
YTD PLF at the end of the Month	%	93.20%
Normative Plant Load Factor (NAPLF) (as per JSERC Generation Tariff Regulations 2020) (NAPAF)	%	85.00%
Net Generation during the Month at NAPLF	Kwh	66830400
YTD Net Generation at NAPLF for FY 2022-23	Kwh	66830400
YTD Net Generation in excess of NAPLF for FY 2022-23	Kwh	6448369
Rate of Incentive (As per Regulation 17.5 of JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.50
YTD Incentive for FY 2022-23 (Post-Tax)	Rs	3224184
Applicable Tax Rate	%	25.17%
YTD Incentive for FY 2022-23 (Pre-Tax)	Rs	4308564
YTD Incentive billed till previous month	Rs	
Incentive for the Month (Pre-Tax)	Rs	4308564

Appendix C1: Detailed Computation of Fuel Price Adjustment for Unit 2

5. Details of Fuel Price - Unit 2							
Weighted Average Landed Price & GCV (As per MTR Order dated 14.02.2020 by Hon'ble JSERC)	UoM						
Weighted Average GCV of Coal	Kcal/Kg	3769					
Weighted Average Landed Price of Coal	Rs/Ton	3869					
Weighted Average Price of Coal *	Rs/MKcal	1026.68					
Computation with Actual Landed Price & GCV	UoM	Middling	CCL Shakti R3	CCL Shakti	MCL Shakti	ECL Shakti	CCL SFA
GCV of Coal	Kcal/Kg	0	4027	3967	3384	5012	3314
Weighted Average GCV of Coal	Kcal/Kg	4289					
Coal in Mix	%	0.00%	14.18%	38.04%	0.27%	36.84%	10.67%
Landed Price	Rs/Ton	0	3324	3028	2641	5648	3402
Weighted Average Landed Price of Coal	Rs/Ton	4074					
Weighted Average Price of Coal	Rs/MKcal	949.81					

5a. Fuel Price Adjustment FY 2022-23 - Unit 2		
Unit	Unit 2	
Regulated Capacity	120 MW	
No. of Days	Days	30
Particulars	UoM	Apr-22
A: Fuel Price Adjustment for LDO		
Normative Sp. LDO Consumption (Approved by Hon'ble JSERC)	ml/kwh	0.50
LDO Landed Price - Actual for the Month (As consumed basis)	Rs/KL	60505
LDO Landed Price (Approved by Hon'ble JSERC)	Rs/KL	49749
Differential Landed Cost of LDO	Rs/KL	10756
Normative Availability of the Unit (Approved by Hon'ble JSERC)	%	85.00%
Actual Gross Generation for the Month	MUs	79.94
Normative Aux Power Consumption (Approved by Hon'ble JSERC)	%	9.00%
Actual Auxiliary Power Consumption	%	8.34%
Actual Gross Generation less actual Aux Power Consumption	MUs	73.28
Fuel Price Adjustment for Secondary Fuel Oil (Refer Regulation 17.12 JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.006
LDO Cost Adjustment	Rs Crores	0.043
B: Fuel Price Adjustment for Coal		
Normative Sp. LDO Consumption (Approved by Hon'ble JSERC)	ml/kwh	0.50
Normative Heat Rate (Approved by Hon'ble JSERC)	Kcal/Kwh	2550
Actual Gross Generation for the Month	MUs	79.94
Actual Aux Power Consumption	%	8.34%
Ex-bus Generation for the Month	MUs	73.28
GCV of LDO (Approved by Hon'ble JSERC)	Kcal/L	9100
Heat Contribution by Coal	Kcal/Kwh	2545
Weighted Average Landed Price of Coal (Approved by Hon'ble JSERC)	Rs/Ton	3869
Weighted Average GCV of Coal (Approved by Hon'ble JSERC)	Kcal/Kg	3769
Weighted Average Landed Price of Coal (Actual during the Month)	Rs/Ton	4073.95
Weighted Average GCV of Coal (Actual during the Month)	Kcal/Kg	4289.20
Cost of Coal (Approved by Hon'ble JSERC)	Rs/MKcal	1026.68
Cost of Coal (Actual during the month)	Rs/MKcal	949.81
Fuel Price Adjustment for Coal (Refer Regulation 17.12 JSERC Generation Tariff Regulations 2020)	Rs/Kwh	-0.215
Coal Cost Adjustment	Rs Crores	-1.576
Fuel Price Adjustment for the Month (=A+B)	Rs Crores	-1.532
Fuel Price Adjustment for the Month	Rs	-1,53,22,119

Appendix D1: Discount Amount for coal received through SHAKTI Auction - Unit 2

6. Discount Amount for coal received through SHAKTI Auction - Unit 2						
Month : April 2022						
Particulars	UoM	Nomenclature	CCL Shakti R3	CCL	MCL	ECL
Quantum of Coal consumed during the month	MT	A	6682	17921	128	17354
As Received GCV	kCal/kg	B	4027	3967	3384	5012
AUX	%	C	8%	8%	8%	8%
Station Heat Rate	kCal/kWh	D	2550	2550	2550	2550
Sales corresponding to concessional Fuel sourced under SHAKTI Policy	kWh	$E = A \times 10^3 \times B \times (1-C)/D$	9672772	25555149	155712	31266034
Discount Rate	Rs./kWh	F	0.07	0.04	0.04	0.04
Source wise Discount Amount	Rs.	$G = F \times E$	677094.05	1022205.97	6228.46142	1250641.35
Total Discount Amount (DA)	Rs.	H				2956170

Appendix E1: Summary of Monthly Invoice for Unit 2

7. Summary of Monthly Invoice FY 2022-23- Unit 2		
Month: April 2022		
No. of Days		30
Particulars	UoM	Apr-22
Availability for the Month	%	99.67%
Contracted Capacity	MW	120
Capacity Charges for the Month (A)	Rs	8,87,73,300
Energy Charges for the Month (B)	Rs	21,24,35,151
Incentive for the Month (Pre-Tax) (C)	Rs	43,08,564
Fuel Price Adjustment for the Month (D)	Rs	-1,53,22,119
Discount Amount (F)	Rs	29,56,170
Total Amount due for the Month (=A+B+C+D+E-F)	Rs	28,72,38,725

Appendix A2 – Details of Unit 3

. Particulars		UoM	Apr-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.35%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	76578816
	Ex-bus Generation for the Month	kWh	69867501
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	82465959
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.897
	3.2 Total Energy Charges for the Month due	Rs	202406150
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	3037100.865
	4.2 Total Incentive for the Month due	Rs	2029279
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	420088
	5.2 Coal Cost Adjustment	Rs	-41649593
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-41229506
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	245671883
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2878689
7.0	Total Amount for the Current Billing Period (Rupees Twenty Four Crore Twenty Seven Lakhs Ninety Three Thousand One Hundred and Ninety Five Only)	Rs	242793195

Appendix B2: Detailed Computation of Capacity Charges, Energy Charges & Incentive for Unit 3

2. Details of Capacity Charges FY 2022-23 - Unit 3		
Unit		3
Regulated Capacity (MW)		120
Particulars	UoM	Values
Annual Fixed Charges proposed in APR Petition for FY 2021-22	Rs Crores	98.96
Total Capacity Charges for the year	Rs Crores	98.96

2a. Monthly Capacity Charges FY 2022-23 - Unit 3		
Particulars	UoM	Apr-22
Month	No.	1
No. of Days	No.	30
Monthly Availability (PAFM)	%	99.35%
YTD Availability	%	99.35%
Normative Availability (Approved by Hon'ble JSERC) (NAPAF)	%	85%
Capacity Charges payable by Tata Steel for the Month (as per Regulation 17.3 of JSERC Generation Tariff Regulations 2020)	Rs Crores	8.25
	Rs	8,24,65,959

3. Details of Energy Charge Rate for FY 2022-23 - Unit 3		
Unit		3
Regulated Capacity (MW)		120
Particulars	UoM	Values
Normative Gross Station Heat Rate (as per JSERC Generation Tariff Regulations 2020)	Kcal/kWh	2550
Normative Auxiliary Power Consumption (as per JSERC Generation Tariff Regulations 2020)	%	9%
Base Weighted Avg GCV of Coal (Approved by Hon'ble JSERC)	Kcal/kg	3771
Base Weighted Avg Landed Price of Coal (Approved by Hon'ble JSERC)	Rs/Ton	3870
Base Weighted Avg GCV of LDO (Approved by Hon'ble JSERC)	Kcal/L	9100
Base Weighted Avg Landed Price of LDO (Approved by Hon'ble JSERC)	Rs/KL	49562
Normative Specific LDO Consumption (Approved by Hon'ble JSERC)	ml/kWh	0.500
Energy Charge Rate as per Regulations 17.8 of Generation Tariff Regulations 2020	Rs/kWh	2.897



3a. Monthly Energy Charges FY 2022-23 - Unit 3		
Unit 3	Values	
Particulars	UoM	Apr-22
Actual Gross Generation for the Month	Kwh	76578816
Actual Aux Power Consumption*	%	8.76%
Ex-Bus Generation for the Month	Kwh	69867501
Energy Charge Rate as per Regulations 17.8 of Generation Tariff Regulations 2020	Rs/Kwh	2.897
Total Energy Charges for the Month	Rs	20,24,06,150

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The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

4. Monthly Incentive Charges FY 2022-23 - Unit 3		
Particulars	UoM	Apr-22
No. of Days	No.	30
Net Generation during the Month (SGi) (As per Regulation 3.1 (55) of JSERC Generation Tariff Regulations 2020)	Kwh	69867501
YTD Net Generation for FY 2022-23	Kwh	69867501
Installed Capacity (I) for Regulated Business	MW	120
Normative Aux. Power Consumption (AUXn) (as per JSERC Generation Tariff Regulations 2020)	%	9%
Plant Load Factor (PLF) for the Month	%	88.86%
YTD PLF at the end of the Month	%	88.86%
Normative Plant Load Factor (NAPLF) (as per JSERC Generation Tariff Regulations 2020) (NAPAF)	%	85.00%
Net Generation during the Month at NAPLF	Kwh	66830400
YTD Net Generation at NAPLF for FY 2022-23	Kwh	66830400
YTD Net Generation in excess of NAPLF for FY 2022-23	Kwh	3037101
Rate of Incentive (As per Regulation 17.5 of JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.50
YTD Incentive for FY 2022-23 (Post-Tax)	Rs	1518550
Applicable Tax Rate	%	25.17%
YTD Incentive for FY 2022-23 (Pre-Tax)	Rs	2029279
YTD Incentive billed till previous month	Rs	0
Incentive for the Month (Pre-Tax)	Rs	2029279

Appendix C2: Detailed Computation of Fuel Price Adjustment for Unit 3

5. Details of Fuel Price - Unit 3							
Weighted Average Landed Price & GCV (As per MTR Order dated 14.02.2020 by Hon'ble JSERC)	UoM						
Weighted Average GCV of Coal	Kcal/Kg	3771					
Weighted Average Landed Price of Coal	Rs/Ton	3870					
Weighted Average Price of Coal	Rs/MKcal	1026.08					
Computation with Actual Landed Price & GCV	UoM	Middling	CCL Shakti R3	CCL Shakti	MCL Shakti	ECL Shakti	CCL SFA
GCV of Coal	Kcal/Kg	0	4027	3969	3187	0	3314
Weighted Average GCV of Coal	Kcal/Kg	3816					
Coal in Mix	%	0.00%	19.95%	56.74%	9.48%	0.00%	13.84%
Landed Price	Rs/Ton	0	3324	3028	2641	5648	3402
Weighted Average Landed Price of Coal	Rs/Ton	3102					
Weighted Average Price of Coal	Rs/MKcal	812.97					

5a. Fuel Price Adjustment FY 2022-23 - Unit 3		
Unit	Unit 3	
Regulated Capacity	120 MW	
No. of Days	Days	30
Particulars	UoM	Apr-22
A: Fuel Price Adjustment for LDO		
Normative Sp. LDO Consumption (Approved by Hon'ble JSERC)	ml/kwh	0.50
LDO Landed Price - Actual for the Month (As consumed basis)	Rs/KL	60505
LDO Landed Price (Approved by Hon'ble JSERC)	Rs/KL	49562
Differential Landed Cost of LDO	Rs/KL	10943
Normative Availability of the Unit (Approved by Hon'ble JSERC)	%	85.00%
Actual Gross Generation for the Month	MUs	76.58
Normative Aux Power Consumption (Approved by Hon'ble JSERC)	%	9.00%
Actual Auxiliary Power Consumption	%	8.76%
Actual Gross Generation less actual Aux Power Consumption	MUs	69.87
Fuel Price Adjustment for Secondary Fuel Oil (Refer Regulation 17.12 JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.006
LDO Cost Adjustment	Rs Crores	0.042
B: Fuel Price Adjustment for Coal		
Normative Sp. LDO Consumption (Approved by Hon'ble JSERC)	ml/kwh	0.50
Normative Heat Rate (Approved by Hon'ble JSERC)	Kcal/Kwh	2550
Actual Gross Generation for the Month	MUs	76.58
Actual Aux Power Consumption	%	8.76%
Ex-bus Generation for the Month	MUs	69.87
GCV of LDO (Approved by Hon'ble JSERC)	Kcal/L	9100
Heat Contribution by Coal	Kcal/Kwh	2545
Weighted Average Landed Price of Coal (Approved by Hon'ble JSERC)	Rs/Ton	3870
Weighted Average GCV of Coal (Approved by Hon'ble JSERC)	Kcal/Kg	3771
Weighted Average Landed Price of Coal (Actual during the Month)	Rs/Ton	3102
Weighted Average GCV of Coal (Actual during the Month)	Kcal/Kg	3816
Cost of Coal (Approved by Hon'ble JSERC)	Rs/MKcal	1026.08
Cost of Coal (Actual during the month)	Rs/MKcal	812.97
Fuel Price Adjustment for Coal (Refer Regulation 17.12 JSERC Generation Tariff Regulations 2020)	Rs/Kwh	-0.596
Coal Cost Adjustment	Rs Crores	-4.165
Fuel Price Adjustment for the Month (=A+B)	Rs Crores	-4.123
Fuel Price Adjustment for the Month	Rs	-4,12,29,506

Appendix D2: Discount Amount for Coal received through SHAKTI Auction - Unit 3

6. Discount Amount for coal received through SHAKTI Auction - Unit 3						
Month : April 2022						
Particulars	UoM	Nomenclature	CCL Shakti R3	CCL	MCL	ECL
Quantum of Coal consumed during the month	MT	A	10132	28822	4814	0
As Received GCV	kCal/kg	B	4027	3969	3187	0
AUX	%	C	9%	9%	9%	9%
Station Heat Rate	kCal/kWh	D	2550	2550	2550	2550
Sales corresponding to concessional Fuel sourced under SHAKTI Policy	kWh	$E = A \times 10^3 \times B \times (1-C)/D$	14598908.73	40930448	5488679	0
Discount Rate	Rs./kWh	F	0.07	0.04	0.04	0.04
Source wise Discount Amount	Rs.	$G = F \times E$	1021923.611	1637218	219547.1	0
Total Discount Amount (DA)	Rs.	H			2878688.65	

Appendix E2: Summary of Monthly Invoice for Unit 3

7. Summary of Monthly Invoice FY 2022-23 - Unit 3		
Month: April 2022		
No. of Days		30
Particulars	UoM	Apr-22
Availability for the Month	%	99.35%
Contracted Capacity	MW	120
Capacity Charges for the Month (A)	Rs	8,24,65,959
Energy Charges for the Month (B)	Rs	20,24,06,150
Incentive for the Month (Pre-Tax) (C)	Rs	20,29,279
Fuel Price Adjustment for the Month (C)	Rs	-4,12,29,506
Discount Amount (F)	Rs	28,78,688.65
Total Amount due for the Month (=A+B+C+D+E-F)	Rs	24,27,93,195



Invoice No. 2022-23/02

Date: 01.06.2022

Unit 2 – 120 MW Regulated Capacity

Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Mid-Term Review Petition (Case No. 01 of 2019) dated February 14, 2020 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the abovementioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st May 2022 to 31st May 2022
2. Due Date: Is due and payable on 1st Aug 2022

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 157 of the Mid-Term Review order dated February 14, 2020 in Mid – Term Review Petition (Case (T) No. 01 of 2019) and further adjustment on account of Regulations 17.12. Amount of the Capacity Charges are based on proposed revised figure submitted in APR Petition for FY 2021-22. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

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The Tata Power Company Limited
 Jajobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



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Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

However, this is to mention that the instant bill is provisional, and it is subject to change based on final order passed by Hon'ble Commission for the control period FY 2022-26.

**JAGMIT
SINGH
SIDHU**

Digitally signed by
JAGMIT SINGH SIDHU
Date: 2022.06.01
19:49:14 +05'30'

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	May-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.85%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	74093568
	Ex-bus Generation for the Month	kWh	67577835
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88773300
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.899
	3.2 Total Energy Charges for the Month due	Rs	195908144
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	4968124
	4.2 Total Incentive for the Month due	Rs	-989045
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	598769
	5.2 Coal Cost Adjustment	Rs	11087465
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	11686234
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	295378632
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	1057546
7.0	Total Amount for the Current Billing Period (Rupees Twenty Nine Crore Fourty Three Lakhs Twenty One Thousand and Eighty Six Only)	Rs	294321086

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The Tata Power Company Limited

Jajobera Power Plant, Jamshedpur - 831016

Tel 91 657.2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Appendix A2 – Details of Unit 3

Particulars		UoM	May-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.83%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	80865280
	Ex-bus Generation for the Month	kWh	73829056
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	82465959
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.897
	3.2 Total Energy Charges for the Month due	Rs	213882774
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	7808076.375
	4.2 Total Incentive for the Month due	Rs	3187791
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	661744
	5.2 Coal Cost Adjustment	Rs	9241129
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	9902873
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	309439397
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2313027
7.0	Total Amount for the Current Billing Period(Rupees Thirty Crore Seventy One Lakhs Twenty Six Thousand Three Hundred & Seventy Only)	Rs	307126370

TATA POWER

The Tata Power Company Limited
Jajobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Invoice No. 2022-23/03

Date: 01.07.2022

Unit 2 – 120 MW Regulated Capacity**Unit 3 – 120 MW Regulated Capacity**

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Mid-Term Review Petition (Case No. 01 of 2019) dated February 14, 2020 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the abovementioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st June 2022 to 30th June 2022
2. Due Date: Is due and payable on 1st Sep 2022

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 157 of the Mid-Term Review order dated February 14, 2020 in Mid – Term Review Petition (Case (T) No. 01 of 2019) and further adjustment on account of Regulations 17.12. Amount of the Capacity Charges are based on proposed revised figure submitted in APR Petition for FY 2021-22. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

TATA POWER**The Tata Power Company Limited**

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

However, this is to mention that the instant bill is provisional, and it is subject to change based on final order passed by Hon'ble Commission for the control period FY 2022-26.

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Very truly yours,

THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	Jun-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.66%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	79494144
	Ex-bus Generation for the Month	kWh	72745620
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88773300
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.899
	3.2 Total Energy Charges for the Month due	Rs	210889552
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	10883344
	4.2 Total Incentive for the Month due	Rs	3952333
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	644558
	5.2 Coal Cost Adjustment	Rs	18779717
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	19424275
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	323039460
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3099088
7.0	Total Amount for the Current Billing Period (Rupees Thirty One Crore Ninety Nine Lakhs Fourty Thousand Three Hundred and Seventy Two Only)	Rs	319940372

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The Tata Power Company Limited

Jajobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

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Appendix A2 – Details of Unit 3

	Particulars	UoM	Jun-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.88%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	76191744
	Ex-bus Generation for the Month	kWh	69533563
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	82465959
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.897
	3.2 Total Energy Charges for the Month due	Rs	201438732
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	10511239.221
	4.2 Total Incentive for the Month due	Rs	1806154
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	623242
	5.2 Coal Cost Adjustment	Rs	14834693
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	15457935
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	301168780
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3561726
7.0	Total Amount for the Current Billing Period (Rupees Twenty Nine Crore Seventy Six Lakhs Seven Thousand Fifty Four Only)	Rs	297607054

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The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Invoice No. 2022-23/04

Date: 01.08.2022

Unit 2 – 120 MW Regulated Capacity

Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Mid-Term Review Petition (Case No. 01 of 2019) dated February 14, 2020 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the abovementioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st July 2022 to 31st July 2022
2. Due Date: Is due and payable on 1st Oct 2022

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 157 of the Mid-Term Review order dated February 14, 2020 in Mid – Term Review Petition (Case (T) No. 01 of 2019) and further adjustment on account of Regulations 17.12. Amount of the Capacity Charges are based on proposed revised figure submitted in APR Petition for FY 2021-22. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel: 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



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Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

However, this is to mention that the instant bill is provisional, and it is subject to change based on final order passed by Hon'ble Commission for the control period FY 2022-26.

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Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobara Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Jul-22
1.0	Regulated Capacity	MW	121
	Actual Availability of the Month	%	99.71%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	75635712
	Ex-bus Generation for the Month	kWh	69138594
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88773300
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.899
	3.2 Total Energy Charges for the Month due	Rs	200432784
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	10963858
	4.2 Total Incentive for the Month due	Rs	53796
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	725879
	5.2 Coal Cost Adjustment	Rs	5752008
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	6477887
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	295737767
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2736184
7.0	Total Amount for the Current Billing Period (Rupees Twenty Nine Crore Thirty Lakhs One Thousand Five Hundred and Eighty Four Only)	Rs	293001584

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Appendix A2 – Details of Unit 3

Particulars		UoM	Jul-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.50%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	81119232
	Ex-bus Generation for the Month	kWh	74065091
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	82465959
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.897
	3.2 Total Energy Charges for the Month due	Rs	214566569
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	15518250.300
	4.2 Total Incentive for the Month due	Rs	3345501
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	785212
	5.2 Coal Cost Adjustment	Rs	11634117
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	12419329
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	312797358
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2559903
7.0	Total Amount for the Current Billing Period(Rupees Thirty One Crore Two Lakhs Thirty Seven Thousand Four Hundred & Fifty Six Only)	Rs	310237456

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 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Invoice No. 2022-23/05

Date: 01.09.2022

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by Tata Power Company Limited, (“Seller”) based on the order passed by the Hon'ble Commission in Mid-Term Review Petition (Case No. 01 of 2019) dated February 14, 2020 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“Generation Tariff Regulations 2020”). As per the abovementioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st August 2022 to 31st August 2022
2. Due Date: Is due and payable on 1st Nov 2022

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 157 of the Mid-Term Review order dated February 14, 2020 in Mid – Term Review Petition (Case (T) No. 01 of 2019) and further adjustment on account of Regulations 17.12. Amount of the Capacity Charges are based on proposed revised figure submitted in APR Petition for FY 2021-22. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

However, this is to mention that the instant bill is provisional, and it is subject to change based on final order passed by Hon'ble Commission for the control period FY 2022-26.

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Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	Aug-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.91%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	72051712
	Ex-bus Generation for the Month	kWh	65852448
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88773300
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.899
	3.2 Total Energy Charges for the Month due	Rs	190906245
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	7758225
	4.2 Total Incentive for the Month due	Rs	-2141886
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	796561
	5.2 Coal Cost Adjustment	Rs	24784142
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	25580703
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	303118362
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	1571307
7.0	Total Amount for the Current Billing Period (Rupees Thirty Crore Fifteen Lakhs Fourty Seven Thousand & Fifty Five Only)	Rs	301547055

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The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office: Bombay House 24 Hornl Mody Street Mumbai 400 001



Appendix A2 – Details of Unit 3

Particulars		UoM	Aug-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.85%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	81073152
	Ex-bus Generation for the Month	kWh	74043963
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	82465959
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.897
	3.2 Total Energy Charges for the Month due	Rs	214505362
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	20504134
	4.2 Total Incentive for the Month due	Rs	3331384
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	903255
	5.2 Coal Cost Adjustment	Rs	18996045
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	19899300
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	320202006
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	1721091
7.0	Total Amount for the Current Billing Period(Rupees Thirty One Crore Eighty Four Lakhs Eighty Thousand Nine Hundred & Fifteen Only)	Rs	318480915

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The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Invoice No. 2022-23/06

Date: 01.10.2022

Unit 2 – 120 MW Regulated Capacity

Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by Tata Power Company Limited, (“Seller”) based on the order passed by the Hon'ble Commission in Mid-Term Review Petition (Case No. 01 of 2019) dated February 14, 2020 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“Generation Tariff Regulations 2020”). As per the abovementioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st Sept 2022 to 30th Sept 2022
2. Due Date: Is due and payable on 1st Dec 2022

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 157 of the Mid-Term Review order dated February 14, 2020 in Mid – Term Review Petition (Case (T) No. 01 of 2019) and further adjustment on account of Regulations 17.12. Amount of the Capacity Charges are based on proposed revised figure submitted in APR Petition for FY 2021-22. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Further, it may be noted that, with the introduction of the new TDS levy i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

However, this is to mention that the instant bill is provisional, and it is subject to change based on final order passed by Hon'ble Commission for the control period FY 2022-26.

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Very Truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	Sep-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.93%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	67847168
	Ex-bus Generation for the Month	kWh	61884752
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88773300
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.899
	3.2 Total Energy Charges for the Month due	Rs	179403895
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	2812577
	4.2 Total Incentive for the Month due	Rs	-3304501
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	796919
	5.2 Coal Cost Adjustment	Rs	15077279
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	15874198
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	280746892
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2575170
7.0	Total Amount for the Current Billing Period (Rupees Twenty Seven Crore Eighty One Lakhs Seventy One Thousand Seven Hundred & Twenty Two Only)	Rs	278171722

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A2 – Details of Unit 3

Particulars		UoM	Sep-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.80%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	77388800
	Ex-bus Generation for the Month	kWh	70615615
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	82465959
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.897
	3.2 Total Energy Charges for the Month due	Rs	204573436
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	24289348
	4.2 Total Incentive for the Month due	Rs	2529142
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	916606
	5.2 Coal Cost Adjustment	Rs	13763538
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	14680144
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	304248681
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2710526
7.0	Total Amount for the Current Billing Period(Rupees Thirty Crore Fifteen Lakhs Thirty Eight Thousand One Hundred & Fifty Four Only)	Rs	301538154

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Invoice No. 2022-23/O7

Date: 01.11.2022

Unit 2 – 120 MW Regulated Capacity

Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Mid-Term Review Petition (Case No. 01 of 2019) dated February 14, 2020 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the abovementioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st Oct 2022 to 31st Oct 2022
2. Due Date: Is due and payable on 1st Nov 2022

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 157 of the Mid-Term Review order dated February 14, 2020 in Mid – Term Review Petition (Case (T) No. 01 of 2019) and further adjustment on account of Regulations 17.12. Amount of the Capacity Charges are based on proposed revised figure submitted in APR Petition for FY 2021-22. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

However, this is to mention that the instant bill is provisional, and it is subject to change based on final order passed by Hon'ble Commission for the control period FY 2022-26.

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Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jajobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Oct-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.91%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	75348992
	Ex-bus Generation for the Month	kWh	68854001
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88773300
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.899
	3.2 Total Energy Charges for the Month due	Rs	199607748
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	2608498
	4.2 Total Incentive for the Month due	Rs	-136358
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	929453
	5.2 Coal Cost Adjustment	Rs	6038737
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	6968191
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	295212880
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2531393
7.0	Total Amount for the Current Billing Period (Rupees Twenty Nine Crore Twenty Six Lakhs Eighty One Thousand Four Hundred and Eighty Seven Only)	Rs	292681487

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Appendix A2 – Details of Unit 3

Particulars		UoM	Oct-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.96%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	70109184
	Ex-bus Generation for the Month	kWh	63676361
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	82465959
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.897
	3.2 Total Energy Charges for the Month due	Rs	184470419
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	18907630
	4.2 Total Incentive for the Month due	Rs	-3595867
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	866103
	5.2 Coal Cost Adjustment	Rs	15065085
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	15931188
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	279271699
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2156892
7.0	Total Amount for the Current Billing Period(Rupees Twenty Seven Crore Seventy One Lakhs Fourteen Thousand Eight Hundred & Eight Only)	Rs	277114808

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Invoice No. 2022-23/08

Date: 01.12.2022

Unit 2 – 120 MW Regulated Capacity

Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi Year Tariff(MYT) Petition (Case No. 04 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the above -mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st Nov 2022 to 30th Nov 2022
2. Due Date: Is due and payable on 1st Jan 2022

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which

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The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

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Date: 2022.12.02
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Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Nov-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.76%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	76420096
	Ex-bus Generation for the Month	kWh	70227739
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86933333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.749
	3.2 Total Energy Charges for the Month due	Rs	193036001
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	6005837
	4.2 Total Incentive for the Month due	Rs	2269978
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1123607
	5.2 Coal Cost Adjustment	Rs	17976859
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	19100466
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	301339777
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2500781
7.0	Total Amount for the Current Billing Period (Rupees Twenty Nine Crore Eighty Eight Lakh Thirty Eight Thousand Nine Hundred & Ninety Six Only)	Rs	298838996

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Appendix A2 – Details of Unit 3

Particulars		UoM	Nov-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	75.670%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	49529856
	Ex-bus Generation for the Month	kWh	45014561
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	85200000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.821
	3.2 Total Energy Charges for the Month due	Rs	126979486
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	0.000
	4.2 Total Incentive for the Month due	Rs	-12633385
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	720262
	5.2 Coal Cost Adjustment	Rs	5357100
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	6077362
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	205623463
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	1016890
7.0	Total Amount for the Current Billing Period(Rupees Twenty Crore Forty Six Lakhs Six Thousand Five Hundred & Seventy Four Only)	Rs	204606574

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Invoice No. 2022-23/09
Date: 01.01.2023

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi Year Tariff(MYT) Petition (Case No. 04 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the above -mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st Dec 2022 to 31st Dec. 2022
2. Due Date: Is due and payable on 1st March 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04,2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which

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The Tata Power Company Limited
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Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

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JAGMIT SINGH SIDHU
Date: 2023.01.02
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Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

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Appendix A1 – Details of Unit 2

Particulars		UoM	Dec-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.99%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	63546368
	Ex-bus Generation for the Month	kWh	58213025
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86933333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.749
	3.2 Total Energy Charges for the Month due	Rs	160027605
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	0
	4.2 Total Incentive for the Month due	Rs	-4012880
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	948682
	5.2 Coal Cost Adjustment	Rs	-4023088
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-3074406
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	239873651
6.0	Discount amount for Generation Corresponding to SHAKTI Coal	Rs	3070187
7.0	Adjustment of Revenue Gap/(Surplus)	Rs.	
7.0	Total Amount for the Current Billing Period (Rupees Twenty Three Crore Sixty Eight Lakhs Three Thousand Four Hundred and Sixty Four Only)	Rs	236803464

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Appendix A2 – Details of Unit 3

Particulars		UoM	Dec-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	98.91%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	66653184
	Ex-bus Generation for the Month	kWh	61084179
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	85200000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.821
	3.2 Total Energy Charges for the Month due	Rs	172318468
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	0.000
	4.2 Total Incentive for the Month due	Rs	0
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	995544
	5.2 Coal Cost Adjustment	Rs	-11252545
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-10257002
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	247261467
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3105000
7.0	Adjustment Due to Shakti Discount Error of Previous Month (D)	Rs	674115
7.0	Total Amount for the Current Billing Period(Rupees Twenty Four Crore Thirty Four Lakhs Eighty Two Thousand Three Hundred and Fifty Two Only)	Rs	243482352

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The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Invoice No. 2022-23/10
Date: 01.02.2023

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi Year Tariff(MYT) Petition (Case No. 04 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the above -mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st Jan 2023 to 31st Jan. 2023
2. Due Date: Is due and payable on 1st April 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which

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The Tata Power Company Limited
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Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

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Very truly yours,

THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Jan-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	95.12%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	77248512
	Ex-bus Generation for the Month	kWh	70980028
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86933333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.749
	3.2 Total Energy Charges for the Month due	Rs	195124097
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	0
	4.2 Total Incentive for the Month due	Rs	0
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1156742
	5.2 Coal Cost Adjustment	Rs	10879314
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	12036056
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	294093486
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3556980
7.0	Total Amount for the Current Billing Period (Rupees Twenty Nine Crore Five Lakhs Thity Six Thousand Five Hundred and Seven Only)	Rs	290536507

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The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A2 – Details of Unit 3

Particulars		UoM	Jan-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	95.84%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	84375552
	Ex-bus Generation for the Month	kWh	77496296
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	85200000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.821
	3.2 Total Energy Charges for the Month due	Rs	218617051
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	0.000
	4.2 Total Incentive for the Month due	Rs	0
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1263027
	5.2 Coal Cost Adjustment	Rs	7309822
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	8572848
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	312389899
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2922315
7.0	Total Amount for the Current Billing Period(Rupees Thirty Crore Ninety Four Lakhs Sixty Seven Thousand Five Hundred and Eighty Four Only)	Rs	309467584

Appendix B2: Detailed Computation of Capacity Charges, Energy Charges & Incentive for Unit 3

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Invoice No. 2022-23/11
Date: 01.03.2023

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by The Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st Feb 2023 to 28th Feb 2023
2. Due Date: Is due and payable on 29th April 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

JAGMIT

SINGH SIDHU

Digitally signed by
JAGMIT SINGH SIDHU

Date: 2023.03.01
18:39:07 +05'30'

Very truly yours,

THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House, 24 Homi Mody Street, Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	Feb-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	94.68%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	64181248
	Ex-bus Generation for the Month	kWh	58637964
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86933333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.749
	3.2 Total Energy Charges for the Month due	Rs	161195763
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	0
	4.2 Total Incentive for the Month due	Rs	0
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1008736
	5.2 Coal Cost Adjustment	Rs	17677768
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	18686504
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	266815600
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2077484
7.0	Total Amount for the Current Billing Period (Rupees Twenty Six Crore Fourty Seven Lakh Thity Eight Thousand One Hundred and Sixteen Only)	Rs	264738116

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Appendix A2 – Details of Unit 3

Particulars		UoM	Feb-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.86%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	75484160
	Ex-bus Generation for the Month	kWh	69270619
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	85200000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.821
	3.2 Total Energy Charges for the Month due	Rs	195412416
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	4451684
	4.2 Total Incentive for the Month due	Rs	2974452
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1191728
	5.2 Coal Cost Adjustment	Rs	17727047
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	18918775
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	302505642
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	1894118
7.0	Total Amount for the Current Billing Period(Rupees Thirty Crore Six Lakh Eleven Thousand Five Hundred and Twenty Five Only)	Rs	300611525

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 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Invoice No. 2022-23/12

Date: 01.04.2023

Unit 2 – 120 MW Regulated Capacity**Unit 3 – 120 MW Regulated Capacity**

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by The Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st March 2023 to 31st March 2023
2. Due Date: Is due and payable on 30th May 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF Certificate respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS

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on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged. Also, adjustment in SHAKTI Discount has been carried out in this bill for the period April 2022 to February 2023 and reconciliation for month of March-2023 shall be adjusted in next bill. Details of Adjustment is enclosed and marked as Annexure-F with this invoice.

**JAGMIT
SINGH SIDHU**

Digitally signed by
JAGMIT SINGH SIDHU

Date: 2023.04.02
13:52:03 +05'30'

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	Mar-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.31%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	75419648
	Ex-bus Generation for the Month	kWh	68900923
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86933333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.749
	3.2 Total Energy Charges for the Month due	Rs	189408637
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2021-22	Kwh	0
	4.2 Total Incentive for the Month due	Rs	0
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1183924
	5.2 Coal Cost Adjustment	Rs	51552247
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	52736172
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	329078142
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2866176
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month i.e. upto Feb-2023	Rs.	3589239
8.0	Total Amount for the Current Billing Period (Rupees Thirty Two Crore Twenty Six Lakh Twenty Two Thousand Seven Hundred and Twenty Eight Only)	Rs	322622728

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Appendix A2 – Details of Unit 3

Particulars		UoM	Mar-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.81%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	87772160
	Ex-bus Generation for the Month	kWh	80547195
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	85200000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.821
	3.2 Total Energy Charges for the Month due	Rs	227223636
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	15940799
	4.2 Total Incentive for the Month due	Rs	7676605
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1384136
	5.2 Coal Cost Adjustment	Rs	56115409
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	57499545
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	377599786
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3440461
7.0	Adjustment Due to Recnciliation of Shakti Discount of Previous Month i.e. upto Feb-2023	Rs	3158382
8.0	Total Amount for the Current Billing Period(Rupees Thirty Seven Crore Ten Lakhs Nine Hundred and Forty Four Only)	Rs	371000944

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 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



ANNEXURE-R6

O&M Expenses under major heads reconciled with Expenses in P&L account certificate for FY 2023

O/M Expenses under Major Heads reconciled with Expenses in P/L Certificate for Unit 2				
Sl.no	O&M Heads	Amount(Rs)	Expenses as per P/L Certificate	Amount (Rs.)
1	Employee Expenses excluding Terminal Liabilities	88689797	Employee Benefit Expenses	92682457
	Terminal Benefits	3992660		
2	R&M Expenses	119087857	Repairs and Maintenance	95599501
			Consumption of Stores, Oil, etc.	23488356
3	Other A&G Expenses	87394945	Finance Cost	1161519
			Rental of Land, Buildings, Plant and Equipm	984016
			Rates and Taxes	3529981
			Insurance	9659094
			Other Operation Expenses	45843450
			Travelling and Conveyance Expenses	3248355
			Auditors Remuneration	89000
			Cost of Services Procured	13908725
			Miscellaneous Expenses	8970804
4	Raw Water Expenses	53840009	Raw water Expenses	53840009
5	Ash Disposal Expenses	27049803	Ash Disposal Expenses	27049803
6	HO Expenses	95546894	Allocation of Head Office expenses	95546894
	Total	475601966	Total	475601966

O/M Expenses under Major Heads reconciled with Expenses in P/L Certificate for Unit 3				
Sl.no	O&M Heads	Amount(Rs)	Expenses as per P/L Certificate	Amount (Rs.)
1	Employee Expenses excluding Terminal Liabilities	88689797	Employee Benefit Expenses	92682457
	Terminal Benefits	3992660		
3	R&M Expenses	123395789	Repairs and Maintenance	98909898
			Consumption of Stores, Oil, etc.	24485890
4	Other A&G Expenses	89740324	Finance Cost	1161056
			Rental of Land, Buildings, Plant and Equipm	944699
			Rates and Taxes	3529981
			Insurance	7856092
			Other Operation Expenses	50364842
			Travelling and Conveyance Expenses	3248355
			Auditors Remuneration	89000
			Cost of Services Procured	13308227
			Miscellaneous Expenses	9238073
5	Raw Water Expenses	55468434	Raw water Expenses	55468434
6	Ash Disposal Expenses	27974168	Ash Disposal Expenses	27974168
7	HO Expenses	103454864	Allocation of Head Office expenses	103454864
	Total	492716036	Total	492716036

01.01.2023

JPP/09/2023

To,

Tata Steel Limited,
Jamshedpur - 831001

Ref: JSERC's Order dated 04.11.2022 in Case (Tariff) No. 10 of 2020 i.e., Petition for True-up for FY 2019-20, APR for FY 2020-21 and MYT Petition for FY 2022-26.

Dear Sir,

Subject: Amount payable by TSL as per above Order pertaining to Jojobera Unit 2 and Unit 3

The Hon'ble Commission in the above Order has approved the Revenue Gap/(Surplus) for FY 2019-20 and has revised the ARR for MYT Period FY 2022-26 (Copy of the Order is attached as **Annexure-1**). While doing so, the Hon'ble Commission has computed the carrying cost such that the Gap/(Surplus) is completely recovered by March-2023. Therefore, Tata Power based on the above direction is recovering the net Gap for the period FY 20, FY 22 & FY 23(Upto October 2022) from the Beneficiary in four months i.e., from December-22 to March-23. Relevant Para, 5.123 of the Order is extracted below:

"5.123 The Commission has examined the detail submitted by the Petitioner along with audited certificate submitted along with the Petition and approves the Gap/(Surplus) for FY 2019-20 for Unit-II and Unit-III in the following tables.

Table 54: Gap/(Surplus) for Unit-II as approved by the Commission (Rs. Crore)

Particulars	FY 2019-20 (Approved)	FY 2020-21 (Approved)	FY 2021-22 (Approved)	FY 2022-23 (Approved)
Opening Gap/(Surplus)	-	(0.50)	6.13	5.98
Addition during the Financial Year	(4.19)	0.00	0.00	0.00
Adjustment during the FY	3.69	6.63	(0.15)	5.98
Closing Balance	(0.50)	6.13	5.98	0.00
Interest Rate	12.55%	11.65%	10.50%	10.50%
Carrying Cost for respective FY	(0.22)	0.65	0.63	0.47*

***Interest computed for 9 months considering complete recovery by March 2023**

Table 55: Gap/(Surplus) for Unit-III as approved by the Commission (Rs. Crore)

Particulars	FY 2019-20 (Approved)	FY 2020-21 (Approved)	FY 2021-22 (Approved)	FY 2022-23 (Approved)
Opening Gap/(Surplus)	-	(3.06)	4.60	4.54
Addition during the Financial Year	(7.04)	0.00	0.00	0.00
Adjustment during the FY	3.98	7.66	(0.06)	4.54
Closing Balance	(3.06)	4.60	4.54	0.00

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The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Interest Rate	12.55%	11.65%	10.80%	10.50%
Carrying Cost for respective FY	(0.40)	0.41	0.48	0.36*

****Interest computed for 9 months considering complete recovery by March 2023....***

Further, since AFC of 2021-22 & 2022-23 has been revised compared to AFC billed for these years, the differential AFC for 2021-22 & 2022-23 (Upto Oct-22) is also being recovered/refunded depending upon the gap/(surplus) for the year through present bill. The above computations have been provided in **Annexure -2** for reference and the summary of the amount payable by Tata Steel Ltd -Distribution Licensee for the above period for Unit 2 and Unit 3 is presented in the table below:

Amount payable by TSL as per MYT Order dated 04.11.2022				
Particulars	UoM	Unit 2	Unit 3	Total
FY 2019-20	Rs Crore	7.51	5.39	12.90
FY 2021-22*	Rs Crore	-5.49	0.73	-4.76
FY 2022-23 (Upto Oct-22)*	Rs Crore	-1.29	1.91	0.63
Total	Rs Crore	0.73	8.03	8.77
Total Recoverable	Rs	7340641	80346774	87687416

** Differential Fixed Charges*

Further, pending the clarification on the methodology of computation of carrying cost including carrying cost on six instalments till actual date of payment of such instalments, the above bill amount is subject to change upon any order/judgement of higher authority/court in future.

We trust the same is in order.

Thanking You,

Yours Faithfully,

(Jagmit Singh Sidhu)

CEO - IEL & Chief -Jamshedpur Operations

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

						ANNEXURE-2
Summary of Net Gap/(Surplus) for FY 2019-20, FY 2021-22 & FY 2022-23 (Upto Oct-22)						
Revenue Gap/(surplus) for 2019-20						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
1	Gap/(Surplus) Approved as per order dtd 04.11.2022	a	5.98	4.54	10.52	Table 54 of the Order dtd 04.11.2022
2	Carrying cost Approved	b	1.53	0.85	2.38	Table 55 of the Order dtd 04.11.2022
3	Net Gap/(Surplus) with Carrying Cost	c = a+b	7.51	5.39	12.90	
Revenue Gap/(surplus) for 2021-22						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
4	AFC approved for FY 22	d	101.04	99.69	200.73	Table 138 & 139 of the Order dtd 04.11.2022
5	AFC Billed for FY 22	e	106.53	98.96	205.49	As per AFC proposed in APR Petition of FY 21-22
6	Gap/(Surplus) for FY 2021-22	f = d-e	-5.49	0.73	-4.76	
Revenue Gap/(surplus) for 2022-23						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
7	AFC approved for FY 23	g	104.32	102.24	206.56	Table 138 & 139 of the Order dtd 04.11.2022
8	Approved AFC upto October 2022 (Prorata)	h	60.85	59.64	120.49	Prorata AFC for 7 months
9	AFC Billed for FY 23 upto October 2022	i	62.14	57.73	119.87	AFC billed as per AFC of FY 22 as proposed in APR Petition of FY 21-22-Prorata for 7 Months
10	Gap/(Surplus) for FY 2022-23 upto Oct-22	j = h-i	-1.29	1.91	0.63	
11	Net Gap/(Surplus) (3+6+10) (In Rs. Cr)	k = c+f+j	0.73	8.03	8.77	Net Recoverable from TSL as per TO dated 04.11.2022
12	Net Gap/(Surplus) (In Rs.)	l = k*10 ⁷	7340641	80346774	87687416	

TSL- Tata Steel Distribution Licensee

From: coaljunction@mjunction.in
Sent: 27 December 2023 19:44
To: JOJO-CLG
Cc: coaljunction@mjunction.in
Subject: Sale Intimation Letter for ECL Single Window Mode Agnostic e-Auction

[EXTERNAL sender, Exercise caution..!]

Sale Intimation Letter for ECL Single Window Mode Agnostic e-Auction

Bidder registration number: 27377
 Name of the Bidder: THE TATA POWER CO LTD
 Contact Person: Basudev Hansdah
 Address: PO:Rahargora, Jojobera
 Jamshedpur
 Jharkhand
 831016

Auction Number and date of auction: 2023-12-26

SELLER NAME	CLUSTER NAME	SOURCE NAME	MODE	GRADE / SIZE	REMARKS	QUANTITY ALLOTTED(MT)	WINNING BID PRICE RS/MT(*)(**)	UNI BI
ECL	Bankola B G3 -100 MM,STEAM 46000MT	UKA IV (Bankola Line II)	RAIL	G3 -100 MM,STEAM		12000	5250.00	2412

(*) Exclusive of statutory charges and other levies.

(**) Statutory charges and other levies will be charged over and above the basic bid price as applicable on the date of delivery.

For further details for payment of total coal value respective subsidiary companies to be contacted.

Terms of Payment

1. 100 % advance payment / coverage as applicable for the total coal / product value (inclusives of add ons,Sales Tax or any other charges as applicable) would be payable by way of e-Transfer (to be obtained from the bank account given at th time of registration) in favour of respective subsidiary company a/c name of the bidder along with debit advice from issuing Bank.

Documents to be deposited to the subsidiary company / ECL by the bidder at the time of payment.

1. Copy of the Sale Intimation letter.

2. Booking application on the bidder letter head.
3. Authorization letter for handling agent.
4. Copy of the Photo ID duly attested / Notarized.

Other Terms:

1. In case of failure by the bidder to deposit the requisite coal / product value within the stipulated time, the EMD will be forfeited.
2. Subsidiary company of CIL and ECL reserves the right to amend / modify / cancel the auction without showing any reason thereof.
3. All terms and conditions will be governed by the notice of the CIL e-Auction Scheme 2022-ECL.

Thanking you

Team Coaljunction
Mjunction services limited
Kolkata.
Tele. : +91-33-66011709/710/712
Fax : +91-33-66011701

Visit us at mjunction.in
coaljunction.in



From: coaljunction@mjunction.in
Sent: 18 December 2023 18:15
To: JOJO-CLG
Cc: coaljunction@mjunction.in
Subject: Sale Intimation Letter for CCL Single Window Mode Agnostic e-Auction (PHASE VIII)

[EXTERNAL sender, Exercise caution..!]

Sale Intimation Letter for CCL Single Window Mode Agnostic e-Auction (PHASE VIII)

Bidder registration number: 27377
Name of the Bidder: THE TATA POWER CO LTD
Contact Person: Basudev Hansdah
Address: PO:Rahargora, Jojobera
Jamshedpur
Jharkhand
831016

Auction Number and date of auction: 2023-12-16

SELLER NAME	CLUSTER NAME	SOURCE NAME	MODE	GRADE / SIZE	REMARKS	QUANTITY ALLOTTED(MT)	WINNING BID PRICE RS/MT(*)(**)	UNIQUE BID ID
CCL	Barkasayal G8 ROM 100000MT	North Urimari/CHP Silo	RAIL	G8, GCV: 4901- 5200 (-)100mm	(Pay Loader/Silo Loading Method)	20000	3431.00	2411998

(*) Exclusive of statutory charges and other levies.

(**) Statutory charges and other levies will be charged over and above the basic bid price as applicable on the date of delivery.

For further details for payment of total coal value respective subsidiary companies to be contacted.

Terms of Payment

1. 100 % advance payment / coverage as applicable for the total coal / product value (inclusive of add ons, Sales Tax or any other charges as applicable) would be payable by way of e-Transfer (to be obtained from the bank account given at the time of registration) in favour of respective subsidiary company a/c name of the bidder along with debit advice from issuing Bank.

Documents to be deposited to the subsidiary company / CCL by the bidder at the time of payment.

1. Copy of the Sale Intimation letter.
2. Booking application on the bidder letter head.
3. Authorization letter for handling agent.
4. Copy of the Photo ID duly attested / Notarized.

Other Terms:

1. In case of failure by the bidder to deposit the requisite coal / product value within the stipulated time, the EMD will be forfeited.
2. Subsidiary company of CIL and CCL reserves the right to amend / modify / cancel the auction without showing any reason thereof.
3. All terms and conditions will be governed by the notice of the CIL e-Auction Scheme 2022-CCL.

Thanking you

Team Coaljunction
Mjunction services limited
Kolkata.
Tele. : +91-33-66011709/710/712
Fax : +91-33-66011701

Visit us at mjunction.in
coaljunction.in



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mjunction services limited Corporate Identity Number (CIN) U00000WB2001PLC115841.

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From: etender-nic@nic.in
Sent: 13 January 2024 19:55
To: JOJO-CLG
Subject: Final Allocation Letter

[EXTERNAL sender, Exercise caution..!]



eAI - CIL Coal eAuction

Date: 13-Jan-2024

Dear Sir/Madam,

Sub: Final Allocation Letter

Kindly find the below details of Final Allocation letter against Auction ID **ECA_2024_ECL_42**, Cluster Name **SALANPUR** in the eAI - CIL Coal eAuction portal.

Bidder Details

Buyer's Ref. No.	12013_2
Contact Person	Basudev Hansdah
City	Jamshedpur
State	Jharkhand
Pin Code	831016
Company Name	The Tata Power Company Limited
Street	Jojobera Power Plant, Govindpur
District	East Singhbhum
Country	India

Auction Information

Auction Ref. No.	ECL/HQ/MnS/E-AUCTION/935 Dtd 03012024
Period of 2nd stage Auction	13-Jan-2024 10:00 AM::13-Jan-2024 04:00 PM
Period of 1st stage Auction	12-Jan-2024 01:00 PM::12-Jan-2024 09:05 PM

Allocated Information

Cluster Name	SALANPUR
Provisional Allotted Quantity (MT)	40000.00 MT
Order of Preference	1. BJSP

Final Allotted Quantity(MT)	40000.00 MT
Final Unallotted Quantity(MT)	0.00 MT
Reserve / Start Price(Rupees per tonne)	2723.00
Choice of Mode	Rail
Final Allotted Source	1. BJSP
Final Bid Price(Rupees/MT)*	3751

Sourcewise Allocation Details

Sl. No.	Source ID	Source Name	Source Grade	Source Size	Mode	Source Offer Qty(t)	Notified Price Rs/t	Source Priority	Quantity Allotted(MT)	Bid Price Rs/t
1	BJSP	BJSP	G-6	STM (-) 100 MM	Rail	40000.00	3000.00	1	40000.00	3751

Note :

- ***Final Bid price={Notified Price (allotted source) (1+ %Premium derived)}**Where,
- **(% Premium derived)=[(Bid Price of successful bidder -Representative Notified Price of Cluster)/Representative Notified Price of Cluster]*100**
- Determination of coal supplying price will be done as per clause 5.2 of CIL e-Auction scheme 2022.
- You are requested to contact the office of the Concerned Coal Company for Post-Auction Process along with following documents.

Payment Terms :

- Bidder is required to deposit 100% advance payment of the total material value (including taxes & duties as applicable) with the Concerned Coal Company, within a period of 10(Ten) working days,after the date of closing of second stage of e-auction.
- Please refer Auction Catalogue/Offer Notice of Concerned Coal Company for the Bank details for depositing Coal Value. Payment / Booking will not be accepted by post/courier or through dispatch section.

Other Terms :

- Xerox copy of this Final Allocation Letter.
- Booking Application on Buyer's letter Head.
- Authorization Letter in favor of the person to deposit the Coal Value and to collect the DO from the Coal Company.
- In case of any increase in duties/Levies/Taxes etc. after Bid, the same shall be payable from the effective date of Notification of the same.
- Failure to deposit the coal value (as stated above) for allotted quantity within ten working days from the date of closing of second stage of Auction will lead to forfeiture of EMD.
- Concerned Coal Company may also initiate any other action deemed fit against you. The Management of Coal Company reserves the right to amend / modify / cancel this intimation.
- Any other specific documents mentioned by concerned coal company in offer Notice.
- All Terms & Conditions governing the CIL e-Auction scheme 2022.
-

Thanks,
System Administrator,
eAI - CIL Coal eAuction



SALES AGREEMENT FOR SUPPLY OF WEST BOKARO MIDDLING to TPCL

1. **REFERENCE:** Mail of Ms Shreya Pandey dated 22.08.2023
2. **SALES ORDER NUMBER:** IBMD / WBC / 01 / 139 / 23 dated August 22, 2023.
3. **SELLER & BUYER:**
 - 3.1 **SELLER:** Tata Steel Limited, West Bokaro, Ghatotand -825314
 - 3.2 **BUYER:** M/s. Tata Power Company Limited, Jojobera, Jamshedpur (Unit # 2 & 3)

4. MATERIAL DESCRIPTION

- 4.1 **West Bokaro Middling** (Chainpur Railway Siding) 5

QUALITY:

- 5.1 The material would be dispatched on 'as-is where-is' basis.
- 5.2 The buyer should satisfy himself with the quality of material before actual dispatch takes place. No complaint regarding quality of material will be entertained afterwards.

6. **QUANTITY:** Twenty thousand (20,000 Tonnes +/- 20%). Partial shipment is allowed.

7. DELIVERY TERMS & WEIGHMENT

- 7.1 Free on Rake (FOR) from Chainpur railway siding of Tata Steel.
- 7.2 Seller shall not be responsible for transit loss of material.
- 7.3 Loading onto rake shall be Seller's responsibility. The actual weight recorded as per RR (Railway receipt) shall be firm and binding on the Parties. No dispute shall be entertained regarding the quantity subsequently. Railway freight shall be paid by the Buyer in advance. If there is any delay in receipt of Railway freight in advance then any penalty, ground rent etc. charged by Railways shall be borne by Buyer
- 7.4 Indenting for railway rake shall be done by seller; however, EDRM sanction shall be obtained by the buyer.
- 7.5 Although loading will be the Seller's responsibility, but to avoid any complaint regarding overloading, under loading and quality of material the Buyer himself or his authorized representative may supervise loading at the loading point. The authorized representative has to carry a prior authorization letter from Seller.

8. PRICE

- 8.1 Basic Price (inclusive of Royalty, DMF and NMET) will be ₹3200/tonne + Re 1 Management Fee + Rs 10 Covid Cess + Rs 57 Transit fees for forest produce + 5% GST + ₹400/t (Compensation cess).
- 8.2 Any other statutory charges /duty as applicable will be charged extra.

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L2100MH1907PLC000260

8.3 In addition to the price of coal, railway freight, taxes and duties, any other charge such as 'penal freight', i.e., additional freight charged by the railways for overloading of the wagons shall be borne by the Buyer and the same will be adjusted with the advance deposited by the Buyer.

9. PAYMENT TERMS

Payment for billed amount of a month will be paid by end of subsequent month.

10. INVOICING

The Seller shall raise invoices for the material supplied to the Buyer along with railway freight on supplies made for every rake preferably unless otherwise agreed to by the parties.

11. FORCE MAJEURE

The Seller shall **NOT** be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to Act of God, war, flood, earthquake, Strike, lockouts, epidemics, riots, civil commotion, change in any law/regulation affecting this Agreements or any other reason beyond the control of the Seller.

12. TERMINATION

12.1 The Seller reserves the right to terminate this offer by providing 15-day notice without assigning any reason.

12.2 In the event of termination of the offer, Seller shall refund the balance amount after due reconciliation within 15 days from the date of receipt of demand letter from the Buyer.

13. DISPUTE RESOLUTION

The jurisdiction in respect of this order and all disputes of differences in relation thereto shall be at Jamshedpur in Jharkhand.

14. ORDER ACCEPTANCE & VALIDITY

We are sending this Offer in duplicate and shall thank you to return us one copy of the same, duly signed, in token of your having accepted all the terms and conditions mentioned therein.

The validity period of this offer shall be from **15th August'23 to 30th September'23**.

SELLER



(Authorised signatory)

BUYER



(Authorised signatory)

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L2100MH1907PLC000260

SALES AGREEMENT FOR SUPPLY OF WEST BOKARO TAILINGS to TPCL

1. **REFERENCE** : Discussions with Mr. Vikas Tiwari of TPCL
2. **SALES ORDER NUMBER:**
IBMD / WBC / 01 / 99 / 23 dated July 5, 2023
3. **SELLER & BUYER:**
 - 3.1 SELLER :
Tata Steel Limited, West Bokaro, Ghatotand -825314
 - 3.2 BUYER :
M/s. Tata Power Company Limited, Jojobera, Jamshedpur
4. **MATERIAL DESCRIPTION**
 - 4.1 **West Bokaro Tailings** (Tailings Dump Yard)
5. **QUALITY**
 - 5.1 The material would be dispatched on 'as-is where-is' basis.
 - 5.2 The buyer should satisfy himself with the quality of material before actual dispatch takes place. No complaint regarding quality of material will be entertained afterwards.
6. **QUANTITY: Twenty thousand tonne (20,000 Tonnes +/- 10% as Seller's option).** Partial shipment is allowed.
7. **DELIVERY TERMS & WEIGHMENT**
 - 7.1 Free on Truck (FOT) from West Bokaro Tailings Stock Yard of Tata Steel.
 - 7.2 Seller shall not be responsible for transit loss of material.
 - 7.3 Loading onto truck shall be Seller's responsibility. The actual weight recorded as per road weigh-bridge shall be firm and binding on the parties. No dispute shall be entertained regarding the quantity subsequently.
 - 7.4 Buyer will have to make their own arrangement for transporting this material.
 - 7.5 Although loading will be the Seller's responsibility, but to avoid any complaint regarding overloading, under loading and quality of material the Buyer himself or his authorized representative may supervise loading at the loading point. The authorized representative has to carry a prior authorization letter from Seller
8. **PRICE**
 - 8.1 Basic Price (inclusive of Royalty, DMF and NMET) will be **₹4534/tonne** + Rs 10 Covid Cess + Rs 57 Transit fees for forest produce + Re 1 Management Fees + 5% GST + ₹400/t (Compensation cess).
 - 8.2 Any other statutory charges /duty as applicable will be charged extra.

9. PAYMENT TERMS

Payment for a month will be made by end of subsequent month.

10. INVOICING

The Seller shall raise truck-wise invoices for the material supplied to the Buyer on a regular basis.

11. FORCE MAJEURE

The Seller shall **NOT** be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to Act of God, war, flood, earthquake, Strike, lockouts, epidemics, riots, civil commotion, change in any law/regulation affecting this Agreements or any other reason beyond the control of the Seller.

12. TERMINATION

12.1 The Seller reserves the right to terminate this offer by providing 15 day notice without assigning any reason.

12.2 In the event of termination of the offer, Seller shall refund the balance amount after due reconciliation within 15 days from the date of receipt of demand letter from the Buyer.

13. DISPUTE RESOLUTION

The jurisdiction in respect of this order and all disputes of differences in relation thereto shall be at Jamshedpur in Jharkhand.

14. ORDER ACCEPTANCE & VALIDITY

We are sending this Offer in duplicate and shall thank you to return us one copy of the same, duly signed, in token of your having accepted all the terms and conditions mentioned therein.

The validity period of this offer shall be from **26th May'23 to 31st July'23**.

SELLER

(Authorised signatory)

BUYER

(Authorised signatory)



SALES AGREEMENT FOR SUPPLY OF WEST BOKARO TAILINGS to TPCL

1. **REFERENCE :** Mail dated 09/01/2024 of Mr. Bikash Mondal, Sr. Manager (Sales)
2. **SALES ORDER NUMBER:** IBMD / WBC / 01 / 08 / 23 dated January 09, 2024
3. **SELLER & BUYER:**
 - 3.1 **SELLER :** Tata Steel Limited, West Bokaro, Ghatotand -825314
 - 3.2 **BUYER :** M/s. Tata Power Company Limited, Jojobera, Jamshedpur
4. **MATERIAL DESCRIPTION:** West Bokaro Tailings (Tailings Dump Yard)
5. **QUALITY**
 - 5.1 The material would be dispatched on 'as-is where-is' basis.
 - 5.2 The buyer should satisfy himself with the quality of material before actual dispatch takes place. No complaint regarding quality of material will be entertained afterwards.
6. **QUANTITY:** Twenty-five thousand tonne (45,000 Tonnes +/- 20% as Seller's option). Partial shipment is allowed.
7. **DELIVERY TERMS & WEIGHMENT**
 - 7.1 Free on Truck (FOT) from West Bokaro Tailings Stock Yard of Tata Steel.
 - 7.2 Seller shall not be responsible for transit loss of material.
 - 7.3 Loading onto truck shall be Seller's responsibility. The actual weight recorded as per road weigh-bridge shall be firm and binding on the parties. No dispute shall be entertained regarding the quantity subsequently.
 - 7.4 Buyer will have to make their own arrangement for transporting this material.
 - 7.5 Although loading will be the Seller's responsibility, but to avoid any complaint regarding overloading, under loading and quality of material the Buyer himself or his authorized representative may supervise loading at the loading point. The authorized representative has to carry a prior authorization letter from Seller
8. **PRICE**
 - 8.1 Basic Price and Quantity Discount will be as under: -

Product	Order Quantity (Tonne)	Basic Price (Rs./tonne)	QD range (tonne) up to 31.12.2024	QD (Rs/T)
WB Tailings	45,000	3950	10KT/month or 30KT in a quarter	100
			15KT/month or 45KT in a quarter	250

[Handwritten signature]

[Handwritten signature]

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262221 262172



8.2 Re 1 Management Fee + Rs 57 Transit fees for forest produce + 5% GST + ₹400/t (Compensation cess) will be charged per tonne on the basic price.

9. PAYMENT TERMS

Seller shall raise invoice for every consignment for the cost of the material as mentioned in clause 8.1 supplied to TPCL and accordingly the monthly billed amount will be adjusted with bill of electric power supplied to Tata Steel by TPCL, and the balance, if any, shall be payable to TPCL by Tata Steel. Both the parties shall settle and consolidate the statement of account under this clause only.

10. INVOICING

The Seller shall raise truck-wise invoices for the material supplied to the Buyer on a regular basis.

11. FORCE MAJEURE

The Seller shall **NOT** be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to Act of God, war, flood, earthquake, Strike, lockouts, epidemics, riots, civil commotion, change in any law/regulation affecting this Agreements or any other reason beyond the control of the Seller.

12. TERMINATION

12.1 The Seller reserves the right to terminate this offer by providing 15 day notice without assigning any reason.

12.2 In the event of termination of the offer, Seller shall refund the balance amount after due reconciliation within 15 days from the date of receipt of demand letter from the Buyer.

13. DISPUTE RESOLUTION

The jurisdiction in respect of this order and all disputes of differences in relation thereto shall be at Jamshedpur in Jharkhand.

15. ORDER ACCEPTANCE & VALIDITY

We are sending this Offer in duplicate and shall thank you to return us one copy of the same, duly signed, in token of your having accepted all the terms and conditions mentioned therein.

The validity period of this offer shall be from 1st January'24 to 31st March'24.

SELLER


(Authorised signatory)

BUYER


(Authorised signatory)

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262271 262172

Tax Invoice
Original for Buyer

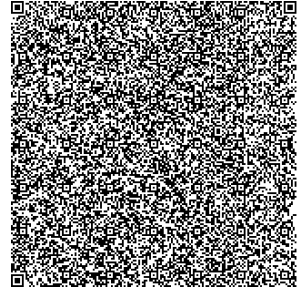
ANNEXURE R9



Eastern Coalfields Limited
Sanctoria, Dist.-Paschim
Bardhaman P.O.-Dishergarh,
Postal Code.-713333
0341-2520052-53 0341-2523574
WWW.EASTERNCOAL.GOV.IN

Supplier Legal Name : Eastern Coalfields Limited(BANKOLA AREA)
Supplier Address : S Spur Colliery
Supplier City : P.O.- Ukhra Dist.- Paschim Bardhaman
Supplier State : West Bengal
Supplier Pincode : 713363
Supplier GSTIN : 19AAACE7590E1ZI
Supplier CIN : U10101WB1975GOI030295

Area Code : E003
Area Description : BANKOLA AREA
Invoice Number : ECL232423000847
SAP ref. Inv. No. : 9400323415
Invoice Date : Dec 12, 2023
Contract Reference:3040010877
Sector : Power
Sales Order : 3250035774
Sale Order Date : Dec 1, 2023
Delivery Number : 8002579274
Mode Of Dispatch : RAIL



IRN No: 6b8fa00e7882bb9d9748eb312f424b9ec772ed3aa49b01976e12cd02df020c2
995684618574945

Receiver(Billed To)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
EAST SINGHBHUM 831016
City : EAST SINGHBHUM
Pincode : 831016
State : Jharkhand
Phone number:
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com

Consignee(Shipped to)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
831016
City : EAST SINGHBHUM
Pincode : 831016
State : Jharkhand
Phone number:
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com
DESTN : PTJT

Details of Dispatch

PI. No. : N/A
PI. Date : N/A - -
RR_NO : 00162008796
RR_DATE : Dec 13, 2023
Net Weight : 3,949.4
DNote No. : 185063
DNote date : Dec 12, 2023
Siding : BANKOLA LINE 2(RLB24114)
Loading Date : Dec 12, 2023
Rake sq. no. : 00000445
No. of Wagons : 58
Rake Program ID : ASN/ECF/C/ELC/DEC2023/445
STC Slab : (0-3KM)

SAP Del No.	Mine	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8002579274	Shyamsundarpur UG	4100000152	G4/-100 MM ROM	6101-6400	NON-COKING COAL	27011200	TE	71.00	3250.00	3949.40

PARTICULARS

Pricing Description	Rate Per TE(INR)	Amount (INR)
Basic Price		12835550.00
Sizing Charges	87.00	343597.80
STC Charges	71.00	280407.40
PWD Charges	1.00	3949.40
Evac Facility Charge	60.00	236964.00
Royalty Charges	6.50	25671.10
NMET Charges(2.00 % of Royalty)		513.42
DMF(30.00 % of Royalty)		7701.33
Rural Emplmnt Cess(20.00 % of Notified Price)	602.00	2377538.80
Primary Edu Cess(5.00 % of Notified Price)	150.50	594384.70
AMBH Cess	1.00	3949.40
Assessable Value	4231.08	16710227.35
IGST(5% of Assessable Value)		83511.37
GST Comp Cess	400.00	1579760.00
Gross Bill Value	4842.63	19125498.72
Less Underloading Charges(33.600 TE)	672.50	22596.00
Net Value	4836.91	19102902.72

Total Amount: 19102902.72

Sales Order Quantity: 8,000
Lifted Quantity: 3,949.4
Unlifted Quantity: 4,050.6
Balance Coal Value: -19,102,902.72

Remarks/Note/ Declaration

Reverse Charge Applicable: No

Total Bill Value In words : ONE CRORE NINETY ONE LAKH TWO THOUSAND NINE HUNDRED TWO RUPEES SEVENTY TWO PAISE

Certified that the particulars given above are true and correct and the amount indicated represents the price actually charged and that there is no flow of additional consideration directly or indirectly from the buyer.

This is digitally verified document hence manual/ physical signature is not required

Area : Bankola
Telephone : 0341-2663101
Fax Number : 0341-2665366
E-Mail Address :

Tax Invoice

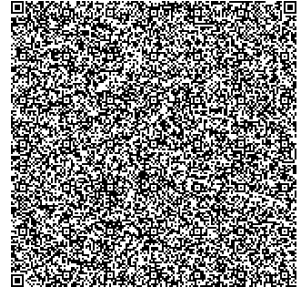
141



CENTRAL COALFIELDS LIMITED
(Subsidiary of Coal India Limited) Darbhanga House, Kutchery Rd. Morabadi, Ranchi (JH) 0651-2360687
0651-2360257

Supplier Legal Name: Central Coalfields Limited
Supplier Address : Darbhanga House Kutchery Rd, Ranchi
Supplier City : Ranchi
Supplier State : Jharkhand
Supplier Pincode : 834029
Supplier GSTIN : 20AAACC7476RHZT
Supplier CIN : U10200JH1956GOI000581
Supplier Email :
Supplier Phone : 0651 236

Area Code : CO01
Area Description : BarkaSoyal
Invoice Number : CCL231223001208
SAP ref. Inv. No. : 9320261430
Invoice Date : Dec 30, 2023
Contract Reference: 3093000084
Contract Type : FSA Linkage
Sales Order : 3345044832
Sale Order Date : Dec 5, 2023
Delivery Number : 8002644832
Mode Of Dispatch : RAIL



IRN No: 5c2a0d9d87aaa05ffadc6afdf1fd455f86c0a62b1a2f4bbbc2bec49d3f16f248f

Receiver(Billed To)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
EAST SINGHBHUM 831016
City : EAST SINGHBHUM
Pincode : 831016
State : Jharkhand
Phone number: 9204750901
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com

Consignee(Shipped to)

Name : THE TATA POWER COMPANY LTD
JOJOBERA POWER PLANT
Party Code : 2000000469
Address : PO-RAHARGORA EAST SINGHBHUM
831016
City : EAST SINGHBHUM
Pincode : 831016
State : Jharkhand
Phone number: 9204750901
GSTIN : 20AAACT0054A2ZE
E-Mail ID : jojocoalbills@tatapower.com

Details of Dispatch

PI. No. : N/A
PI. Date : N/A - -
RR_NO : 00162000053
RR_DATE : Dec 31, 2023
Net Weight : 4,007.64
DNote No. : 000133
DNote date : Dec 30, 2023
Siding : NR URIMARI (NUGP) (LS343020)
Rate sq. no. : 00001269
Sanction No. : CMP/DHN/CCL/C/ELC/JH/DHKP/DEC2023/ROM/140
STC Slab : (3-10KM)

SAP Del No.	Mine	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8002644832	NORTH URIMARI SCHEME OC	4100000000	G8/-100 MM	4900-5200	NON-COKING COAL	27011200	TE	99.30	1590.00	4007.64

PARTICULARS

Pricing Description	Rate Per TE(INR)	Amount (INR)
Basic Price		6372147.60
Sizing Charges		348664.68
STC Charges		397958.65
Evac Facility Charge		240458.40
Management Fees		4007.64
Covid cess		40076.40
Royalty Charges (14.00 % of Basic Price)		892100.66
NMET Charges(2.00 % of Royalty)		17842.01
DMF(30.00 % of Royalty)		267630.20
Forest Transit Fee		228435.48
Reimbursement of CUF		240458.40
GST Taxable Value		9049780.12
CGST(2.5%)		226244.50
SGST(2.5%)		226244.50
GST Comp Cess		1603056.00
Gross Bill Value		11105325.12
Less Underloading Charges(82.060 TE)		43672.33
Net Value		11061652.79

Total Amount: 11061652.79

Remarks/Note/ Declaration

Reverse Charge Applicable: No

Total Bill Value In words : ONE CRORE TEN LAKH SIXTY ONE THOUSAND SIX HUNDRED FIFTY TWO RUPEES SEVENTY NINE PAISE

Certified that:

1. Bill has been claimed as per the price of the coal and taxes/duties ¹⁴² applicable on the date of dispatch.
2. Statutory taxes / duties are actually payable and will be paid to the statutory authority.
3. Adjustment if any required , will be made through debit/ credit notes.
4. The particulars given above are true and correct.

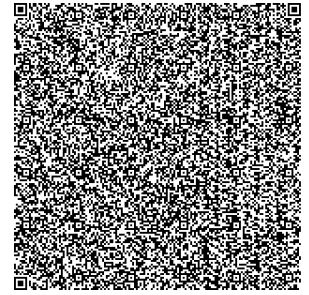
This is digitally verified document hence manual/ physical signature is not required



143

Supplier Legal_Name: Mahanadi Coalfields Limited
 Supplier Address : Jagriti Vihar, Burla Sambalpur 768020
 Supplier City : Sambalpur
 Supplier State : Odisha
 Supplier Pincode : 768020
 Supplier GSTIN : 21AABCM5188P1Z3
 Supplier Email :
 Supplier Phone : 916632542461

Area Code : MO10
 Area Description : Lakhanpur
 Invoice Number : 9190037509
 Invoice Date : Jan 22, 2024
 Contract Reference: 3030000279
 Contract type : FSA Linkage
 Sales Order : 1370001204
 Sale Order Date : Jan 16, 2024
 Delivery Number : 8002733954
 Mode Of Dispatch : RAIL
 Destination Code :



P.O. - Jagriti Vihar, Burla
 District : Sambalpur -
 768020 Odisha

IRN No: 3829ae9b8e3ce3e827c3c4c48124f1abb2f331494aad83144fe23e1ff8d4a230

Receiver(Billed To)

NAME THE TATA POWER COMPANY LTD
 JOJOBERA POWER PLANT
 Party Code : 2000000469
 ADDRESS PO-RAHARGORA EAST SINGHBHUM
 EAST SINGHBHUM 831016
 City : EAST SINGHBHUM
 Pincode : 831016
 State code : Jharkhand
 Phone number: 9204853156
 GSTIN : 20AAACT0054A2ZE
 E-Mail ID : jojocoalbills@tatapower.com

Consignee(Shipped to)

Name : THE TATA POWER COMPANY LTD
 JOJOBERA POWER PLANT
 Party Code : 2000000469
 Address : PO-RAHARGORA EAST SINGHBHUM
 831016
 City : EAST SINGHBHUM
 Pincode : 831016
 State code : Jharkhand
 Phone number : 9204853156
 GSTIN : 20AAACT0054A2ZE
 E-Mail ID : jojocoalbills@tatapower.com

Details of Dispatch

PI. No.
 PI. Date
 RR_NO : 182000032
 RR_DATE : 20240122
 Net Weight : 4,080.42
 Dnote No. : 1337.001
 Rake serial No :
 Dnote_DATE : 20240122
 Siding : BOCM 7
 Loading Date : Jan 22, 2024
 Rake sq. no. : 00003206
 Sanction No. : CMP/BSP/MCFL/C/ELC/JH/IB/

Del No.	Plant	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8002733954	Lakhanpur OC Mine	4100000000	G12/-100 MM	3701-4000	Bituminous Coal	27011200	TE	106.00	896.00	4080.42

PARTICULARS

Pricing Description	Rate Per TON(INR)	Amount(INR)
Basic Price		3656056.32
Sizing Charges	87.00	354996.54
STC Charges		432524.52
Evac Facility Charge	60.00	244825.20
Royalty Charges (14% of Basic Price)		511847.88
NMET Charges(2% of Royalty)		10236.96
DMF(30% of Royalty)		153554.36
IGST		268202.09
GST Comp Cess	400.00	1632168.00
Gross Bill Value	1780.31	7264411.87
Less UL Charges(0.000TE)		0.00
Net Value	1780.31	7264411.87

Remarks/Note/ Declaration

Total Amount: 7264411.87

Reverse Charge Applicable: No

Total Bill Value In words SEVENTY TWO LAKH SIXTY FOUR THOUSAND FOUR HUNDRED ELEVEN RUPEES EIGHTY SEVEN PAISE

Certified that the particulars given above are true and correct and the amount indicated represents the price actually charged and that there is no flow of additional consideration directly or indirectly from the buyer.

LC Ref.No : NA
 LC Date :
 Lc Amount : 0.00
 Advising Bank Name : NA

This is digitally verified document hence manual/ physical signature is not required

Area : Lakhanpur
 Telephone :
 Fax Number :
 E-Mail Address :

Monthly Plant Availability Factor (PAFM) - Unit 2, Jobobera Power Plant						Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/01
Monthly Plant Availability Factor (PAFM) - Unit 2, Jobobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Sl. No.	Unit	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Apr-23		109,200	120,00	9.00%	100.00%
2	2-Apr-23		108,616	120,00	9.00%	99.47%
3	3-Apr-23		108,409	120,00	9.00%	99.28%
4	4-Apr-23		109,200	120,00	9.00%	100.00%
5	5-Apr-23		109,178	120,00	9.00%	99.98%
6	6-Apr-23		108,721	120,00	9.00%	99.56%
7	7-Apr-23		108,542	120,00	9.00%	99.40%
8	8-Apr-23		108,334	120,00	9.00%	99.21%
9	9-Apr-23		109,097	120,00	9.00%	99.91%
10	10-Apr-23		108,750	120,00	9.00%	99.59%
11	11-Apr-23		108,571	120,00	9.00%	99.42%
12	12-Apr-23		109,200	120,00	9.00%	100.00%
13	13-Apr-23		109,200	120,00	9.00%	100.00%
14	14-Apr-23		108,885	120,00	9.00%	99.71%
15	15-Apr-23		108,728	120,00	9.00%	99.57%
16	16-Apr-23		109,004	120,00	9.00%	99.82%
17	17-Apr-23		108,492	120,00	9.00%	99.35%
18	18-Apr-23		108,528	120,00	9.00%	99.38%
19	19-Apr-23		108,278	120,00	9.00%	99.16%
20	20-Apr-23		108,555	120,00	9.00%	99.41%
21	21-Apr-23		108,690	120,00	9.00%	99.53%
22	22-Apr-23		108,153	120,00	9.00%	99.04%
23	23-Apr-23		108,624	120,00	9.00%	99.47%
24	24-Apr-23		108,546	120,00	9.00%	99.40%
25	25-Apr-23		108,890	120,00	9.00%	99.72%
26	26-Apr-23		108,448	120,00	9.00%	99.31%
27	27-Apr-23		108,412	120,00	9.00%	99.28%
28	28-Apr-23		108,700	120,00	9.00%	99.54%
29	29-Apr-23		108,464	120,00	9.00%	99.33%
30	30-Apr-23		109,021	120,00	9.00%	99.84%
Apr-23			108,714	120,00	9.00%	99.56%
Monthly Availability of Unit 2 during April 2023:						99.56%
YTD April 2023 Availability of Unit 2:						99.56%


 Representative
 Tata Power Jobobera
 Jamshedpur

OK
 31-01-2024
 Charan Kumar
 Representative
 LDC, Tata Steel

Chief - O&M
 The Tata Power Company Limited
 Jobobera Power Plant, Jamshedpur-8310

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times DC / (N \times IC \times (1 + Aux)) \%$$
 Where,
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-bus MW) for the Pth time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Losses shall be deemed to have been received to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Cancellation of Grid Disturbance and the duration shall be done by SLDC.

13.19 Revision of declared capability by generators and regulation by Users / Distribution Losses for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block commencing the time block in which the request for revision has been received in SLDC to be the first one.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/02

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant					
Sl. No.	Unit Day	Total Declared Capacity during the Day (DC) (MW)	Month May-23		
			Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-May-23	109.200	120.00	9.00%	100.00%
2	2-May-23	108.975	120.00	9.00%	99.79%
3	3-May-23	108.255	120.00	9.00%	99.13%
4	4-May-23	108.575	120.00	9.00%	99.43%
5	5-May-23	108.592	120.00	9.00%	99.44%
6	6-May-23	108.897	120.00	9.00%	99.72%
7	7-May-23	109.116	120.00	9.00%	99.92%
8	8-May-23	108.352	120.00	9.00%	99.22%
9	9-May-23	108.629	120.00	9.00%	99.48%
10	10-May-23	108.798	120.00	9.00%	99.63%
11	11-May-23	108.366	120.00	9.00%	99.24%
12	12-May-23	109.181	120.00	9.00%	99.98%
13	13-May-23	108.692	120.00	9.00%	99.53%
14	14-May-23	108.986	120.00	9.00%	99.80%
15	15-May-23	108.634	120.00	9.00%	99.48%
16	16-May-23	108.564	120.00	9.00%	99.42%
17	17-May-23	108.897	120.00	9.00%	99.72%
18	18-May-23	108.938	120.00	9.00%	99.76%
19	19-May-23	108.927	120.00	9.00%	99.75%
20	20-May-23	108.801	120.00	9.00%	99.63%
21	21-May-23	108.973	120.00	9.00%	99.79%
22	22-May-23	108.483	120.00	9.00%	99.34%
23	23-May-23	108.743	120.00	9.00%	99.58%
24	24-May-23	108.961	120.00	9.00%	99.78%
25	25-May-23	109.200	120.00	9.00%	100.00%
26	26-May-23	109.200	120.00	9.00%	100.00%
27	27-May-23	109.200	120.00	9.00%	100.00%
28	28-May-23	109.200	120.00	9.00%	100.00%
29	29-May-23	109.170	120.00	9.00%	99.97%
30	30-May-23	109.118	120.00	9.00%	99.93%
31	31-May-23	109.200	120.00	9.00%	100.00%
May-23		108.865	120.00	9.00%	99.69%
YTD Availability of Unit 2 till April 2023					99.56%
Monthly Availability of Unit 2 during May 2023					99.69%
YTD May 2023 Availability of Unit 2					99.63%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum DC}{N \times IC \times (1 - Aux1)\%}$$
 Where,
 Aux: Normative Auxiliary Energy Consumption (%)
 DC: Average Declared Capacity (in MW), for the 'n' time block in such period;
 IC: Installed Capacity (in MW), of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Areas shall be deemed to have been reduced to be equal to their actual generation/demand for all the time blocks offered by the Grid Distributor. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capacity, by generator's and requisition by Users / Distribution Areas, for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capacity in such cases shall become effective from the old time block, spanning the time block in which the request for revision has been received in SLDC to be the first one.

YTD Availability of Unit 2 till April 2023
 Monthly Availability of Unit 2 during May 2023
 YTD May 2023 Availability of Unit 2

Signature
 Representative
 Tata Power, Jojobera - O&M

Signature
 Representative
 LDC, Tata Steel

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831015

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSU/LDC/Unit 2/2023-24/03

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant					
Sl. No.	Unit Day	Total Declared Capacity during the Day (DC) (MW)	Month Installed Capacity (IC) (MW)	Jun-23	
				Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jun-23	109.200	120.00	9.00%	100.00%
2	2-Jun-23	109.152	120.00	9.00%	99.96%
3	3-Jun-23	109.200	120.00	9.00%	100.00%
4	4-Jun-23	109.150	120.00	9.00%	99.95%
5	5-Jun-23	108.365	120.00	9.00%	99.24%
6	6-Jun-23	108.777	120.00	9.00%	99.61%
7	7-Jun-23	108.886	120.00	9.00%	99.71%
8	8-Jun-23	108.700	120.00	9.00%	99.54%
9	9-Jun-23	108.600	120.00	9.00%	99.45%
10	10-Jun-23	108.334	120.00	9.00%	99.21%
11	11-Jun-23	108.731	120.00	9.00%	99.57%
12	12-Jun-23	108.637	120.00	9.00%	99.48%
13	13-Jun-23	108.089	120.00	9.00%	98.98%
14	14-Jun-23	108.749	120.00	9.00%	99.59%
15	15-Jun-23	108.842	120.00	9.00%	99.67%
16	16-Jun-23	108.656	120.00	9.00%	99.50%
17	17-Jun-23	108.418	120.00	9.00%	99.28%
18	18-Jun-23	108.734	120.00	9.00%	99.57%
19	19-Jun-23	108.764	120.00	9.00%	99.60%
20	20-Jun-23	108.894	120.00	9.00%	99.72%
21	21-Jun-23	108.672	120.00	9.00%	99.52%
22	22-Jun-23	108.712	120.00	9.00%	99.55%
23	23-Jun-23	108.771	120.00	9.00%	99.61%
24	24-Jun-23	108.232	120.00	9.00%	99.11%
25	25-Jun-23	108.821	120.00	9.00%	99.65%
26	26-Jun-23	108.454	120.00	9.00%	99.32%
27	27-Jun-23	108.288	120.00	9.00%	99.17%
28	28-Jun-23	108.509	120.00	9.00%	99.37%
29	29-Jun-23	108.802	120.00	9.00%	99.64%
30	30-Jun-23	108.539	120.00	9.00%	99.40%
	Jun-23	108.690	120.00	9.00%	99.53%
YTD Availability of Unit 2 till May 2023					99.63%
Monthly Availability of Unit 2 during June 2023					99.53%
YTD June 2023 Availability of Unit 2					99.59%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^N DC_i / (N \times (IC \times (1 - Aux_i)^2))$$
 Where:
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in excess MW), for the ⁱth time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Transmission Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.
 13.19 Revision of declared capability by generator and resumption by User / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Handwritten signature
 Representative
 Tata Power, Jojobera - O&M
 The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-83101

Handwritten signature
 Representative
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/04

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant						
Sl. No.	Unit	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	2	1-Jul-23	108.582	120.00	9.00%	99.43%
2	2	2-Jul-23	109.055	120.00	9.00%	99.87%
3	2	3-Jul-23	108.218	120.00	9.00%	99.10%
4	2	4-Jul-23	108.730	120.00	9.00%	99.57%
5	2	5-Jul-23	108.474	120.00	9.00%	99.34%
6	2	6-Jul-23	108.967	120.00	9.00%	99.79%
7	2	7-Jul-23	108.957	120.00	9.00%	99.78%
8	2	8-Jul-23	108.844	120.00	9.00%	99.67%
9	2	9-Jul-23	109.003	120.00	9.00%	99.82%
10	2	10-Jul-23	108.954	120.00	9.00%	99.82%
11	2	11-Jul-23	109.080	120.00	9.00%	99.78%
12	2	12-Jul-23	108.489	120.00	9.00%	99.89%
13	2	13-Jul-23	108.884	120.00	9.00%	99.35%
14	2	14-Jul-23	109.200	120.00	9.00%	99.71%
15	2	15-Jul-23	108.850	120.00	9.00%	100.00%
16	2	16-Jul-23	109.080	120.00	9.00%	99.68%
17	2	17-Jul-23	109.113	120.00	9.00%	99.89%
18	2	18-Jul-23	109.155	120.00	9.00%	99.92%
19	2	19-Jul-23	108.836	120.00	9.00%	99.69%
20	2	20-Jul-23	108.226	120.00	9.00%	99.67%
21	2	21-Jul-23	108.242	120.00	9.00%	99.11%
22	2	22-Jul-23	108.571	120.00	9.00%	99.12%
23	2	23-Jul-23	109.200	120.00	9.00%	99.42%
24	2	24-Jul-23	108.938	120.00	9.00%	100.00%
25	2	25-Jul-23	109.174	120.00	9.00%	99.76%
26	2	26-Jul-23	109.200	120.00	9.00%	99.98%
27	2	27-Jul-23	109.116	120.00	9.00%	100.00%
28	2	28-Jul-23	108.481	120.00	9.00%	99.92%
29	2	29-Jul-23	108.580	120.00	9.00%	99.34%
30	2	30-Jul-23	108.679	120.00	9.00%	99.43%
31	2	31-Jul-23	108.669	120.00	9.00%	99.52%
Jul-23			108.824	120.00	9.00%	99.51%
Jul-23			108.824	120.00	9.00%	99.66%
YTD Availability of Unit 2 till June 2023						99.59%
Monthly Availability of Unit 2 during July 2023						99.66%
YTD July 2023 Availability of Unit 2						99.61%

Reference: Regulation 17.4 of ISERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor ascribed for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{IN \times IC \times (1 - Aux)} \%$$

Where:
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-lms MW), for the 1st time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of ISERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees, shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Cancellation of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generators and expansion by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance written Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Signature: *[Handwritten Signature]*
 Representing: **Shriev Hansdan**
 Tata Power, Jojobera
 Chief - O&M

Signature: *[Handwritten Signature]*
 Representing: **OK Chandan Kumar**
 Representative
 LDC, Tata Steel

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831014

Monthly Plant Availability Factor (PAFM)

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Sl. No.	Unit	Day	2		Aug-23	
			Total Declared Capacity during the Day (DCI) (MW)	Month Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1		1-Aug-23	108.640	120.00	9.00%	99.49%
2		2-Aug-23	108.733	120.00	9.00%	99.57%
3		3-Aug-23	108.046	120.00	9.00%	98.94%
4		4-Aug-23	108.021	120.00	9.00%	98.92%
5		5-Aug-23	108.218	120.00	9.00%	99.10%
6		6-Aug-23	108.707	120.00	9.00%	99.55%
7		7-Aug-23	109.031	120.00	9.00%	99.85%
8		8-Aug-23	107.252	120.00	9.00%	98.22%
9		9-Aug-23	106.744	120.00	9.00%	97.75%
10		10-Aug-23	108.262	120.00	9.00%	99.14%
11		11-Aug-23	109.006	120.00	9.00%	99.82%
12		12-Aug-23	109.044	120.00	9.00%	99.86%
13		13-Aug-23	109.064	120.00	9.00%	99.88%
14		14-Aug-23	108.914	120.00	9.00%	99.74%
15		15-Aug-23	108.071	120.00	9.00%	98.97%
16		16-Aug-23	103.771	120.00	9.00%	95.03%
17		17-Aug-23	107.278	120.00	9.00%	98.24%
18		18-Aug-23	108.345	120.00	9.00%	99.22%
19		19-Aug-23	108.315	120.00	9.00%	99.19%
20		20-Aug-23	106.751	120.00	9.00%	97.76%
21		21-Aug-23	108.296	120.00	9.00%	99.17%
22		22-Aug-23	108.629	120.00	9.00%	99.48%
23		23-Aug-23	108.333	120.00	9.00%	99.21%
24		24-Aug-23	108.860	120.00	9.00%	99.69%
25		25-Aug-23	108.815	120.00	9.00%	99.65%
26		26-Aug-23	108.233	120.00	9.00%	99.11%
27		27-Aug-23	108.598	120.00	9.00%	99.45%
28		28-Aug-23	108.551	120.00	9.00%	99.41%
29		29-Aug-23	108.306	120.00	9.00%	99.18%
30		30-Aug-23	107.985	120.00	9.00%	98.89%
31		31-Aug-23	108.269	120.00	9.00%	99.15%
		Aug-23	108.164	120.00	9.00%	99.05%

YTD Availability of Unit 2 till July 2023

Monthly Availability of Unit 2 during August 2023

YTD August 2023 Availability of Unit 2

99.61%

99.05%

99.50%

Doc No: Tata Power/TSU/LDC/Unit 2/2023-24/05

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DCI_i}{N \times IC \times (1 - Aux)_i}$$

Where:

Aux: Normative Auxiliary Energy Consumption (%);

DCI: Average Declared Capacity (in ex-bus MW) for the ⁱth time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Transmission / Distribution Licensees shall be deemed to have been referred to be equal to their actual generation/ demand for all the time blocks affected by the Grid Disturbance. Cancellation of Grid Disturbance and its duration shall be done by SLDC.

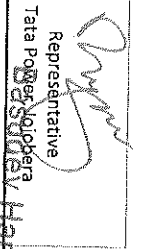
13.19 Revision of declared capability by generators and requestion by Transmission Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC as the first one.

Basuvey Hansdah
 Representative
 Tata Power, Jojobera
 The Tata Power Company Limited

Charan Das
 Representative
 LDC, Tata Steel

Jojobera Power Plant, Jamshedpur-831016

Monthly Plant Availability Factor (PAFM)							Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/06
Monthly Plant Availability Factor (PAFM) - Unit 2, Jajobera Power Plant							Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Sl. No.	Unit	Day	Total Declared Capacity during the Day (DC) (MW)	Month	Sep-23		
					Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1		1-Sep-23	108.514	120.00	9.00%	99.37%	<p>17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:</p> $PAFM = 100 \times \frac{\sum DC_i}{N \times IC \times (1 - Aux)^2}$ <p>Where: Aux: Normative Auxiliary Energy Consumption (%) DC: Average Declared Capacity (in ex-plus MW), for the ⁱth time block in such period. IC: Installed Capacity (in MW) of the generating station. N: Number of time blocks in the given period.</p> <p>Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008</p> <p>13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its abatement shall be done by SLDC.</p> <p>13.19 Revision of declared capability by generators and requestion by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.</p>
2		2-Sep-23	108.638	120.00	9.00%	99.49%	
3		3-Sep-23	108.906	120.00	9.00%	99.73%	
4		4-Sep-23	109.164	120.00	9.00%	99.97%	
5		5-Sep-23	108.830	120.00	9.00%	99.66%	
6		6-Sep-23	108.633	120.00	9.00%	99.48%	
7		7-Sep-23	108.297	120.00	9.00%	99.17%	
8		8-Sep-23	108.586	120.00	9.00%	99.44%	
9		9-Sep-23	108.649	120.00	9.00%	99.50%	
10		10-Sep-23	108.765	120.00	9.00%	99.60%	
11		11-Sep-23	84.865	120.00	9.00%	77.72%	
12		12-Sep-23	108.553	120.00	9.00%	99.41%	
13		13-Sep-23	107.464	120.00	9.00%	98.41%	
14		14-Sep-23	108.541	120.00	9.00%	99.40%	
15		15-Sep-23	108.983	120.00	9.00%	99.80%	
16		16-Sep-23	108.634	120.00	9.00%	99.48%	
17		17-Sep-23	108.930	120.00	9.00%	99.75%	
18		18-Sep-23	107.592	120.00	9.00%	98.53%	
19		19-Sep-23	105.171	120.00	9.00%	96.31%	
20		20-Sep-23	92.698	120.00	9.00%	84.89%	
21		21-Sep-23	108.666	120.00	9.00%	99.51%	
22		22-Sep-23	108.123	120.00	9.00%	99.01%	
23		23-Sep-23	106.364	120.00	9.00%	97.40%	
24		24-Sep-23	108.850	120.00	9.00%	99.68%	
25		25-Sep-23	109.200	120.00	9.00%	100.00%	
26		26-Sep-23	109.200	120.00	9.00%	100.00%	
27		27-Sep-23	109.200	120.00	9.00%	100.00%	
28		28-Sep-23	109.200	120.00	9.00%	100.00%	
29		29-Sep-23	109.200	120.00	9.00%	100.00%	
30		30-Sep-23	109.200	120.00	9.00%	100.00%	
		Sep-23	107.187	120.00	9.00%	98.16%	
YTD Availability of Unit 2 till August 2023						99.50%	
Monthly Availability of Unit 2 during September 2023						98.16%	
YTD September 2023 Availability of Unit 2						99.28%	


 Representative
 Tata Power Jajobera
 S. N. Hanstad

OK
 31-07-2024

 Representative
 LDC, Tata Steel

Chief - O&M
 The Tata Power Company Limited
 Jajobera Power Plant, Jamshedpur-831011

Monthly Plant Availability Factor (PAFM)

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/07

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

Sl. No.	Unit	Day	Total Declared Capacity during the Day (DCI) (MW)	Month	Installed Capacity (IC) (MW)	Oct-23	
						Normative Aux. Power Consumption (%)	Availability (%)
1		1-Oct-23	109.200		120.00	9.00%	100.00%
2		2-Oct-23	109.200		120.00	9.00%	100.00%
3		3-Oct-23	109.200		120.00	9.00%	100.00%
4		4-Oct-23	109.200		120.00	9.00%	100.00%
5		5-Oct-23	109.200		120.00	9.00%	100.00%
6		6-Oct-23	109.200		120.00	9.00%	100.00%
7		7-Oct-23	109.200		120.00	9.00%	100.00%
8		8-Oct-23	109.200		120.00	9.00%	100.00%
9		9-Oct-23	109.200		120.00	9.00%	100.00%
10		10-Oct-23	109.200		120.00	9.00%	100.00%
11		11-Oct-23	109.200		120.00	9.00%	100.00%
12		12-Oct-23	109.200		120.00	9.00%	100.00%
13		13-Oct-23	109.020		120.00	9.00%	100.00%
14		14-Oct-23	109.200		120.00	9.00%	99.84%
15		15-Oct-23	109.200		120.00	9.00%	100.00%
16		16-Oct-23	108.992		120.00	9.00%	100.00%
17		17-Oct-23	109.200		120.00	9.00%	99.81%
18		18-Oct-23	109.200		120.00	9.00%	100.00%
19		19-Oct-23	109.200		120.00	9.00%	100.00%
20		20-Oct-23	109.200		120.00	9.00%	100.00%
21		21-Oct-23	109.200		120.00	9.00%	100.00%
22		22-Oct-23	109.200		120.00	9.00%	100.00%
23		23-Oct-23	109.200		120.00	9.00%	100.00%
24		24-Oct-23	109.200		120.00	9.00%	100.00%
25		25-Oct-23	109.103		120.00	9.00%	100.00%
26		26-Oct-23	99.342		120.00	9.00%	99.91%
27		27-Oct-23	91.000		120.00	9.00%	90.97%
28		28-Oct-23	109.200		120.00	9.00%	83.33%
29		29-Oct-23	109.200		120.00	9.00%	100.00%
30		30-Oct-23	109.200		120.00	9.00%	100.00%
31		31-Oct-23	109.200		120.00	9.00%	100.00%
		Oct-23	108.279		120.00	9.00%	99.16%

YTD Availability of Unit 2 till September 2023 **99.28%**

Monthly Availability of Unit 2 during October 2023 **99.16%**

YTD October 2023 Availability of Unit 2 **99.26%**

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^N DC_i / (N \times IC \times (1 - Aux))\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the ⁱth time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licenses shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licenses for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

(Signature)
 Represented by **Sasudev Hansdah**
 Chief O&M
 Tata Power, Jojobera

The Tata Power Company Limited
 Jojobera Power Plant, Jamsheedpur-831016

(Signature)
 OK
 21-10-23
Charan Das
 Manager LDC
 Representative
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TS/LDC/Unit 3/2023-24/01

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant					
Sl. No.	Day	Total Declared Capacity during the Day (DCI) (MW)	Month		
			Installed Capacity (IC) (MW)	Normative Aux Power Consumption (%)	Availability (%)
1	1-Apr-23	109.074	120.00	9.00%	99.88%
2	2-Apr-23	109.151	120.00	9.00%	99.96%
3	3-Apr-23	109.023	120.00	9.00%	99.84%
4	4-Apr-23	109.101	120.00	9.00%	99.91%
5	5-Apr-23	109.177	120.00	9.00%	99.98%
6	6-Apr-23	108.980	120.00	9.00%	99.80%
7	7-Apr-23	109.048	120.00	9.00%	99.86%
8	8-Apr-23	109.036	120.00	9.00%	99.85%
9	9-Apr-23	109.033	120.00	9.00%	99.85%
10	10-Apr-23	108.824	120.00	9.00%	99.66%
11	11-Apr-23	109.170	120.00	9.00%	99.97%
12	12-Apr-23	109.200	120.00	9.00%	100.00%
13	13-Apr-23	109.013	120.00	9.00%	99.83%
14	14-Apr-23	109.075	120.00	9.00%	99.89%
15	15-Apr-23	108.878	120.00	9.00%	99.70%
16	16-Apr-23	108.955	120.00	9.00%	99.78%
17	17-Apr-23	108.994	120.00	9.00%	99.81%
18	18-Apr-23	108.819	120.00	9.00%	99.65%
19	19-Apr-23	108.718	120.00	9.00%	99.56%
20	20-Apr-23	108.759	120.00	9.00%	99.60%
21	21-Apr-23	109.120	120.00	9.00%	99.93%
22	22-Apr-23	108.929	120.00	9.00%	99.75%
23	23-Apr-23	108.621	120.00	9.00%	99.47%
24	24-Apr-23	108.955	120.00	9.00%	99.78%
25	25-Apr-23	109.070	120.00	9.00%	99.84%
26	26-Apr-23	108.985	120.00	9.00%	99.80%
27	27-Apr-23	109.120	120.00	9.00%	99.93%
28	28-Apr-23	109.125	120.00	9.00%	99.93%
29	29-Apr-23	108.982	120.00	9.00%	99.80%
30	30-Apr-23	108.719	120.00	9.00%	99.56%
Apr-23		108.987	120.00	9.00%	99.80%
Monthly Availability of Unit 3 during April 2023					99.80%
YTD April 2023 Availability of Unit 3					99.80%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DCI_i}{N \times IC \times (1 - Aux)} \%$$
 Where:
 Aux: Normative Auxiliary Energy Consumption (%);
 DCI: Average Declared Capacity (in MW) for the 'i' time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the operating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capacity by generators and regulation by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled capacity in such cases shall become effective from the old time block, containing the time block in which the request for revision has been received in SLDC to be the first one.

Representative
 Tata Power
 HANSDAH

OK
 31-07-2024
 Representative
 LDC, Tata Steel
 CHA RAMDAS
 Manager
 LDC

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831015

Monthly Plant Availability Factor (PAFM)
Unit 3, Jolobera Power Plant

Sl. No.	Unit Day	Total Declared Capacity during the Day (DC) (MW)	Month		Availability (%)
			Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	
1	1-May-23	109.081	120.00	9.00%	99.89%
2	2-May-23	109.099	120.00	9.00%	99.91%
3	3-May-23	108.982	120.00	9.00%	99.80%
4	4-May-23	109.131	120.00	9.00%	99.94%
5	5-May-23	109.103	120.00	9.00%	99.91%
6	6-May-23	102.820	120.00	9.00%	94.16%
7	7-May-23	108.828	120.00	9.00%	99.66%
8	8-May-23	108.867	120.00	9.00%	99.66%
9	9-May-23	108.829	120.00	9.00%	99.66%
10	10-May-23	108.937	120.00	9.00%	99.75%
11	11-May-23	108.893	120.00	9.00%	99.72%
12	12-May-23	108.977	120.00	9.00%	99.80%
13	13-May-23	108.810	120.00	9.00%	99.54%
14	14-May-23	108.856	120.00	9.00%	99.69%
15	15-May-23	108.972	120.00	9.00%	99.79%
16	16-May-23	109.068	120.00	9.00%	99.88%
17	17-May-23	109.011	120.00	9.00%	99.83%
18	18-May-23	108.188	120.00	9.00%	99.99%
19	19-May-23	108.772	120.00	9.00%	99.61%
20	20-May-23	103.039	120.00	9.00%	94.36%
21	21-May-23	80.762	120.00	9.00%	73.96%
22	22-May-23	109.200	120.00	9.00%	100.00%
23	23-May-23	109.181	120.00	9.00%	99.98%
24	24-May-23	109.200	120.00	9.00%	100.00%
25	25-May-23	109.200	120.00	9.00%	100.00%
26	26-May-23	109.200	120.00	9.00%	100.00%
27	27-May-23	109.200	120.00	9.00%	100.00%
28	28-May-23	109.200	120.00	9.00%	100.00%
29	29-May-23	109.200	120.00	9.00%	100.00%
30	30-May-23	108.955	120.00	9.00%	99.78%
31	31-May-23	109.154	120.00	9.00%	99.95%
May-23		107.733	120.00	9.00%	98.66%

YTD Availability of Unit 3 till April 2023: 99.80%
 Monthly Availability of Unit 3 during May 2023: 98.66%
 YTD May 2023 Availability of Unit 3: 99.22%

Doc No: Tata Power/TS/LDC/Unit 3/2023-24/02
 Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum DC_i}{N \times IC \times (1 - Aux)_i}$$
 Where:
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-his MW), for the 'i' time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled load of all the Users / Distribution Licensees shall be deemed to have been reduced to their actual generation/load for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability, by generators and regulation by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC for the first one.

Responsible Person
 Tata Power Jolobera
 Chief Engineer

OK
 31-07-2024
 Chaturvedi
 Representative
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/03

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant				Jun-23	
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jun-23	109.200	120.00	9.00%	100.00%
2	2-Jun-23	109.056	120.00	9.00%	99.87%
3	3-Jun-23	109.135	120.00	9.00%	99.94%
4	4-Jun-23	109.200	120.00	9.00%	100.00%
5	5-Jun-23	109.200	120.00	9.00%	100.00%
6	6-Jun-23	109.154	120.00	9.00%	99.96%
7	7-Jun-23	109.027	120.00	9.00%	99.84%
8	8-Jun-23	108.909	120.00	9.00%	99.73%
9	9-Jun-23	108.902	120.00	9.00%	99.73%
10	10-Jun-23	108.965	120.00	9.00%	99.78%
11	11-Jun-23	109.083	120.00	9.00%	99.89%
12	12-Jun-23	109.183	120.00	9.00%	99.98%
13	13-Jun-23	109.087	120.00	9.00%	99.90%
14	14-Jun-23	108.941	120.00	9.00%	99.76%
15	15-Jun-23	109.035	120.00	9.00%	99.85%
16	16-Jun-23	108.999	120.00	9.00%	99.82%
17	17-Jun-23	109.200	120.00	9.00%	100.00%
18	18-Jun-23	89.294	120.00	9.00%	81.77%
19	19-Jun-23	109.058	120.00	9.00%	99.87%
20	20-Jun-23	108.664	120.00	9.00%	99.51%
21	21-Jun-23	108.815	120.00	9.00%	99.65%
22	22-Jun-23	108.951	120.00	9.00%	99.77%
23	23-Jun-23	108.594	120.00	9.00%	99.44%
24	24-Jun-23	108.761	120.00	9.00%	99.60%
25	25-Jun-23	109.132	120.00	9.00%	99.94%
26	26-Jun-23	109.127	120.00	9.00%	99.93%
27	27-Jun-23	108.913	120.00	9.00%	99.74%
28	28-Jun-23	109.197	120.00	9.00%	100.00%
29	29-Jun-23	109.124	120.00	9.00%	99.93%
30	30-Jun-23	108.873	120.00	9.00%	99.70%
	Jun-23	108.359	120.00	9.00%	99.23%

YTD Availability of Unit 3 till May 2023

99.22%

Monthly Availability of Unit 3 during June 2023

99.23%

YTD June 2023 Availability of Unit 3

99.22%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum DC_i}{N \times IC \times (1 - Aux)^2}$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in excess MW), for the ⁱth time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating station and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been reduced to be equal to their actual generation/ demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generators and requirement by Users / Distribution Licensees for the remaining period of the day, will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the full time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Representative
Tata Power Jojobera
Bansi Prasad Hansdah

OK
Chandru
21-07-2024
Chandru
Manager
LDC


Chief - O&M


The Tata Power Company Limited
Jojobera Power Plant, Jamshehpur-831016

Monthly Plant Availability Factor (PAFM) - Unit 3, Jobjobera Power Plant

Sl. No.	Unit	Day	3			Jul-23	
			Total Declared Capacity during the Day (DCI) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1		1-Jul-23	108.950	120.00	9.00%	99.77%	
2		2-Jul-23	109.148	120.00	9.00%	99.95%	
3		3-Jul-23	109.164	120.00	9.00%	99.97%	
4		4-Jul-23	109.157	120.00	9.00%	99.96%	
5		5-Jul-23	109.089	120.00	9.00%	99.90%	
6		6-Jul-23	109.169	120.00	9.00%	99.97%	
7		7-Jul-23	109.147	120.00	9.00%	99.95%	
8		8-Jul-23	109.001	120.00	9.00%	99.82%	
9		9-Jul-23	109.069	120.00	9.00%	99.88%	
10		10-Jul-23	109.019	120.00	9.00%	99.83%	
11		11-Jul-23	109.146	120.00	9.00%	99.95%	
12		12-Jul-23	109.141	120.00	9.00%	99.95%	
13		13-Jul-23	108.995	120.00	9.00%	99.81%	
14		14-Jul-23	109.200	120.00	9.00%	100.00%	
15		15-Jul-23	109.012	120.00	9.00%	99.83%	
16		16-Jul-23	109.146	120.00	9.00%	99.95%	
17		17-Jul-23	109.200	120.00	9.00%	100.00%	
18		18-Jul-23	109.135	120.00	9.00%	99.94%	
19		19-Jul-23	109.200	120.00	9.00%	100.00%	
20		20-Jul-23	109.200	120.00	9.00%	100.00%	
21		21-Jul-23	108.972	120.00	9.00%	99.79%	
22		22-Jul-23	109.126	120.00	9.00%	99.93%	
23		23-Jul-23	109.200	120.00	9.00%	100.00%	
24		24-Jul-23	108.991	120.00	9.00%	99.81%	
25		25-Jul-23	109.200	120.00	9.00%	100.00%	
26		26-Jul-23	109.200	120.00	9.00%	100.00%	
27		27-Jul-23	109.200	120.00	9.00%	100.00%	
28		28-Jul-23	109.200	120.00	9.00%	100.00%	
29		29-Jul-23	106.072	120.00	9.00%	97.14%	
30		30-Jul-23	109.200	120.00	9.00%	100.00%	
31		31-Jul-23	109.171	120.00	9.00%	99.97%	
		Jul-23	109.026	120.00	9.00%	99.84%	

YTD Availability of Unit 3 till June 2023 **99.22%**
 Monthly Availability of Unit 3 during July 2023 **99.84%**
 YTD July 2023 Availability of Unit 3 **99.38%**


D. Suresh Hansdah
 Representative
 Tata Steel Jobjobera Company Limited
 Jobjobera Power Plant, Jamshehpur-831016


 Representative
 LDC, Tata Steel

Doc No: Tata Power/TS/LDC/Unit 3/2023-24/04
Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor calculated for the month (PAFM) shall be computed in accordance with the following formulae:

$$PAFM = \frac{100 \times \sum_{i=1}^N DC_i / (N \times IC \times (1 - Aux)^N)}{100}$$

Where,
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-ante MW), for the 'i' time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating station and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Continuation of Grid Disturbance and its duration shall be done by SLIC.

13.19 Revision of declared capability by generators and acquisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled/declared capability in such cases shall become effective from the 0th time block, counting the time block in which the request for revision has been received in SLIC to be the first one.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TS/LDC/Unit 3/2023-24/05

Monthly Plant Availability Factor (PAFM) - Unit 3, Jolabera Power Plant				Aug-23		
Sl. No.	Unit	Day	Total Declared Capacity during the Day (DCI) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1		1-Aug-23	109.200	120.00	9.00%	100.00%
2		2-Aug-23	109.200	120.00	9.00%	100.00%
3		3-Aug-23	109.200	120.00	9.00%	100.00%
4		4-Aug-23	109.200	120.00	9.00%	100.00%
5		5-Aug-23	109.137	120.00	9.00%	99.94%
6		6-Aug-23	109.200	120.00	9.00%	100.00%
7		7-Aug-23	109.043	120.00	9.00%	99.86%
8		8-Aug-23	109.048	120.00	9.00%	99.86%
9		9-Aug-23	108.190	120.00	9.00%	99.07%
10		10-Aug-23	109.035	120.00	9.00%	99.85%
11		11-Aug-23	109.200	120.00	9.00%	100.00%
12		12-Aug-23	109.200	120.00	9.00%	100.00%
13		13-Aug-23	109.200	120.00	9.00%	100.00%
14		14-Aug-23	109.200	120.00	9.00%	100.00%
15		15-Aug-23	109.200	120.00	9.00%	100.00%
16		16-Aug-23	99.481	120.00	9.00%	91.10%
17		17-Aug-23	108.921	120.00	9.00%	99.74%
18		18-Aug-23	108.798	120.00	9.00%	99.63%
19		19-Aug-23	109.200	120.00	9.00%	100.00%
20		20-Aug-23	109.200	120.00	9.00%	100.00%
21		21-Aug-23	106.002	120.00	9.00%	97.07%
22		22-Aug-23	109.081	120.00	9.00%	99.89%
23		23-Aug-23	109.156	120.00	9.00%	99.96%
24		24-Aug-23	109.175	120.00	9.00%	99.98%
25		25-Aug-23	109.118	120.00	9.00%	99.92%
26		26-Aug-23	109.200	120.00	9.00%	100.00%
27		27-Aug-23	109.155	120.00	9.00%	99.96%
28		28-Aug-23	108.640	120.00	9.00%	99.49%
29		29-Aug-23	108.603	120.00	9.00%	99.45%
30		30-Aug-23	108.944	120.00	9.00%	99.77%
31		31-Aug-23	108.381	120.00	9.00%	99.25%
Aug-23			108.629	120.00	9.00%	99.48%
YTD Availability of Unit 3 till July 2023						99.38%
Monthly Availability of Unit 3 during August 2023						99.48%
YTD August 2023 Availability of Unit 3						99.40%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor advised for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i / (N \times (IC \times (1 - Aux)))}{N}$$

Where:

Aux: Normative Auxiliary Energy Consumption (%)

DC_i: Average Declared Capacity (in excess MW), for the 'i' time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Contribution of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capacity by generation and acquisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capacity in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Signature: *[Handwritten Signature]*
 Representative
 Tata Power/TS/LDC/Unit 3/2023-24/05
 Jolabera Power Plant, Jamshedpur-831016

Signature: *[Handwritten Signature]*
 Representative
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Sl. No.	Unit Day	3			Sep-23	
		Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Sep-23	108.504	120.00	9.00%	99.36%	
2	2-Sep-23	109.051	120.00	9.00%	99.86%	
3	3-Sep-23	109.160	120.00	9.00%	99.96%	
4	4-Sep-23	108.935	120.00	9.00%	99.76%	
5	5-Sep-23	109.116	120.00	9.00%	99.92%	
6	6-Sep-23	109.111	120.00	9.00%	99.92%	
7	7-Sep-23	109.200	120.00	9.00%	100.00%	
8	8-Sep-23	109.196	120.00	9.00%	100.00%	
9	9-Sep-23	109.112	120.00	9.00%	99.92%	
10	10-Sep-23	109.191	120.00	9.00%	99.99%	
11	11-Sep-23	109.009	120.00	9.00%	99.83%	
12	12-Sep-23	109.115	120.00	9.00%	99.92%	
13	13-Sep-23	109.039	120.00	9.00%	99.85%	
14	14-Sep-23	108.934	120.00	9.00%	99.76%	
15	15-Sep-23	108.763	120.00	9.00%	99.60%	
16	16-Sep-23	109.044	120.00	9.00%	99.86%	
17	17-Sep-23	109.200	120.00	9.00%	100.00%	
18	18-Sep-23	109.131	120.00	9.00%	99.94%	
19	19-Sep-23	109.200	120.00	9.00%	100.00%	
20	20-Sep-23	109.200	120.00	9.00%	100.00%	
21	21-Sep-23	109.200	120.00	9.00%	100.00%	
22	22-Sep-23	108.734	120.00	9.00%	99.57%	
23	23-Sep-23	109.147	120.00	9.00%	99.95%	
24	24-Sep-23	109.147	120.00	9.00%	99.95%	
25	25-Sep-23	108.969	120.00	9.00%	99.79%	
26	26-Sep-23	108.846	120.00	9.00%	99.68%	
27	27-Sep-23	109.200	120.00	9.00%	100.00%	
28	28-Sep-23	109.200	120.00	9.00%	100.00%	
29	29-Sep-23	109.200	120.00	9.00%	100.00%	
30	30-Sep-23	109.200	120.00	9.00%	100.00%	
Sep-23		109.068	120.00	9.00%	99.88%	

YTD Availability of Unit 3 till August 2023

99.40%

Monthly Availability of Unit 3 during September 2023

99.88%

YTD September 2023 Availability of Unit 3

99.48%

Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/06

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor calculated for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{N \times IC \times (1 - Aux)^2}$$

Where:

Aux: Normative Auxiliary Energy Consumption (%)

DC_i: Average Declared Capacity (in ex-his MW), for the 'ith' time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generators and reposition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule-declared capability in such cases shall become effective from the 60th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

D. S. Hansdah
 Representative
 Tata Power Jojobera Company Limited

OK
31-01-2024
Chaitanya Kumar
 Representative
 LDC, Tata Steel

Jojobera Power Plant, Jamshedpur-831016

Monthly Plant Availability Factor (PAFM)

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Sl. No.	Unit		Total Declared Capacity during the Day (DCt) (MW)	Installed Capacity (IC) (MW)	Oct-23	
	Day	3			Normative Aux. Power Consumption (%)	Availability (%)
1	1-Oct-23	3	109.200	120.00	9.00%	100.00%
2	2-Oct-23	3	109.200	120.00	9.00%	100.00%
3	3-Oct-23	3	109.200	120.00	9.00%	100.00%
4	4-Oct-23	3	109.200	120.00	9.00%	100.00%
5	5-Oct-23	3	109.075	120.00	9.00%	99.89%
6	6-Oct-23	3	109.183	120.00	9.00%	99.98%
7	7-Oct-23	3	109.119	120.00	9.00%	99.93%
8	8-Oct-23	3	109.200	120.00	9.00%	100.00%
9	9-Oct-23	3	109.157	120.00	9.00%	99.96%
10	10-Oct-23	3	108.850	120.00	9.00%	99.68%
11	11-Oct-23	3	108.979	120.00	9.00%	99.80%
12	12-Oct-23	3	108.713	120.00	9.00%	99.55%
13	13-Oct-23	3	108.967	120.00	9.00%	99.79%
14	14-Oct-23	3	109.014	120.00	9.00%	99.83%
15	15-Oct-23	3	109.081	120.00	9.00%	99.89%
16	16-Oct-23	3	108.881	120.00	9.00%	99.71%
17	17-Oct-23	3	109.200	120.00	9.00%	100.00%
18	18-Oct-23	3	109.024	120.00	9.00%	99.84%
19	19-Oct-23	3	109.122	120.00	9.00%	99.93%
20	20-Oct-23	3	109.197	120.00	9.00%	100.00%
21	21-Oct-23	3	108.981	120.00	9.00%	99.80%
22	22-Oct-23	3	109.200	120.00	9.00%	100.00%
23	23-Oct-23	3	109.200	120.00	9.00%	100.00%
24	24-Oct-23	3	109.200	120.00	9.00%	100.00%
25	25-Oct-23	3	99.442	120.00	9.00%	91.06%
26	26-Oct-23	3	86.373	120.00	9.00%	79.10%
27	27-Oct-23	3	94.874	120.00	9.00%	86.88%
28	28-Oct-23	3	102.723	120.00	9.00%	94.07%
29	29-Oct-23	3	109.200	120.00	9.00%	100.00%
30	30-Oct-23	3	109.143	120.00	9.00%	99.95%
31	31-Oct-23	3	109.143	120.00	9.00%	99.95%
	Oct-23	3	107.388	120.00	9.00%	98.34%

YTD Availability of Unit 3 till September 2023 **99.48%**
 Monthly Availability of Unit 3 during October 2023 **98.34%**
 YTD October 2023 Availability of Unit 3 **99.31%**

Doc No: Tata Power/TS/LDC/Unit 3/2023-24/07
 Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i / (N \times IC \times (1 - Aux))}{N}$$
 Where:
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in MW) for the 'ith' time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been refused to be equal to their actual generation demand for all the time blocks affected by the Grid Disturbance. (Estimation of Grid Disturbance and its duration shall be done by SLDC.)
 13.19 Revision of declared capability by generators and requestion by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Handwritten signatures and initials:
 Representing Hamsdiah
 Tata Power, Jojobera O & M
 The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831016
 LDC, Tata Steel
 Representing
 LDC, Tata Steel

File No: FU-21/2020-FSC(Vol-IV)
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, dated 9.1.2023

To,

1. Principal Secretaries/Secretary (Power/Energy) of all State Governments/ UTs
2. CMDs, Thermal Generating Stations (Central, State GENCOs/IPPs)

Subject: Direction to all Gencos including Independent Power Producers (IPPs) for timely Import of Coal for blending purposes and maximising production in captive coal mines – reg.

Due to recent surge in demand and consumption of electricity, the share of coal-based generation has increased. Although the supply of coal from all sources has increased, it is not commensurate with the requirements of thermal power plants (TPPs).

2. Ministry of Power (MoP) is very closely monitoring the coal availability for TPPs. Efforts have been made to increase coal availability from all sources (CIL, SECL, Captive) in coordination with Ministry of Coal (MoC). Although coal supply has increased during Q4, it is not adequate to meet the unprecedented increase in the demand of electricity. Similarly efforts have been made to address logistic issues in cooperation with Ministry of Railways (MoR). In order to ease out the logistic pressure on Railways, MoP has planned to transport available coal from MCL region through RSR mode to TPPs located in Northern & Western parts of the country. Accordingly directions have been issued to source 10 to 15% of their requirement through RSR mode to the States of Gujarat, Rajasthan, Maharashtra and Punjab as well as NTPC. Efforts have also been made to address the constraints in transportation of coal (RCR, Road, ARR) through all modes. Despite the above mentioned efforts, it has been noted that the infrastructure related logistic constraints of Railways will take some time to get fully addressed.

3. Grid India (POSOCO) has reported that the energy demand has increased sharply and it is expected to remain at increased level during H1 of 2023-2024. CEA has accordingly revised the target for coal requirement for Q4 of current FY and H1 of next FY. MoC has committed to supply coal to meet the revised target of 197.7 MT, however it is subject to availability of rakes and other logistic issues. As per the past trend, the likely supply of domestic coal during the H1, FY 2023-24 would be around 392 MT. Thus, around 24 MT would be the anticipated shortfall during the H1 of FY 24. It is noted that the shortfall between the daily coal consumption and the daily arrival of domestic coal is ranging from 3 Lakh Tonnes per day to 1 Lakh Tonnes per day. This shortfall is made up by blending with imported coal. It is assessed that coal stock position without blending of imported coal in DCBs will progressively decline to zero which will severely impact power supply position in the country.

4. Import of coal for blending purpose needs to be done in a streamlined manner in order to avoid clogging of logistics. During Q1 & Q2 of FY 23, imported coal stocks at ports piled up due to logistics constraints.

5. In the light of above scenario where energy demand is increasing and increase in supply of coal is not commensurate with the domestic coal requirement, the need has arisen to continue use imported coal for blending purpose. MoP, after consultation with CEA, MoC, MoR and Association of Power Producers (APP) has decided to direct all Gencos to import coal for blending 6% (by weight) for the remaining period of this current FY and H1 of the next FY (upto September, 2023). The domestic coal supply of those Gencos who do not follow these instructions shall be restricted to pro-rata basis. The Central, State Gencos and IPPs are directed to take necessary action and immediately plan to import coal through a transparent competitive procurement for blending at the rate of 6% by weight so as to have coal stocks at their power plants for smooth operations till September 2023.

6. This issues with the approval of Hon'ble Minister of Power & NRE.


(Subhash Chand)


Under Secretary to the Govt. of India

Copy to:

1. Secretary, Ministry of Coal
2. Secretary, CERC/ All SERCs
3. Chairman, Railway Board
4. Chairman, Central Electricity Authority
5. DG, Association of Power Producers (APP)

Copy also to NIC with the request to upload the same on MOP Portal.

NIC


9.1.2023



File No. FU-21/2020-FSC (Vol-IV)
Government of India
 (भारत सरकार)
Ministry of Power
 (विद्युत मंत्रालय)

नई दिल्ली, दिनांक 25 अक्टूबर, २०२३

New Delhi, dated the 25th October, 2023

To

- I. Principal Secretaries/Secretary (Power/Energy) of all State Governments/UTs
- II. CMDs, Thermal Generating Stations (Central, State GENCOs/IPPs)

Subject: Direction to all GENCOs including Independent Power Producers (IPPs) for timely Import of Coal for blending purposes and maximizing production in captive coal mines — reg.

Sir/Madam,

As you are already aware, Ministry of Power issued an advisory dated 01.09.2023 regarding blending of imported coal @ 4% by weight till March, 2024.

2. The status of Power Supply position has been reviewed by Govt and it has been observed that there is consistent rising trend in the Power demand in the country coupled with inadequate supply of domestic coal which has resulted in rapid depletion of coal stocks at Domestic Coal Based (DCB) Plants across the country. The gap between receipt of domestic coal and consumption of coal (domestic + equivalent domestic of imported coal) during 01st September to 09th October, 2023 was to the tune of 12 MT.

3. About 11% fall of Hydro Generation has been recorded in H1 of FY 24 compared to the corresponding period of FY 23 due to variable monsoon rainfall. Approximately 2 GW of hydro capacity is out because of recent floods in Sikkim. The Reservoir levels in Northern, Eastern and Southern regions are less compared to the previous year as on 9th Oct' 2023, which has resulted in lower reservoir energy content at pan India level. This has put additional burden on Coal Based Thermal Generation.

4. Therefore, in order to ensure uninterrupted power supply across the country, after careful consideration and in consultation with Central Electricity Authority (CEA) and Grid India, it has been decided blending of imported coal @ 6% (by weight) minimum

Contd/-

may be continued till March 2024. The Gencos may continuously review their stock position and opt for blending as per the requirements if the shortfall in domestic coal supply is more than 6 per cent.

5. The other conditions mentioned at Para 3 & 4 of advisory dated 01.09.2023 will remain the same.

6. This issues with the approval of Hon'ble Minister of Power & NRE.

Yours Faithfully,



(Anoop Singh Bisht)

Deputy Secretary to the Government of India

Ph. 011-23752497

Email: anoopsingh.bisht@nic.in

@Endorsement

No. FU-21/2020-FSC (Vol-IV)

Copy to,

1. Secretary, Ministry of Coal
2. Chairman, Railway Board
3. Chairman, Central Electricity Authority
4. Secretary (CERC)/All SERCs



(Anoop Singh Bisht)

Deputy Secretary to the Government of India

Ph. 011-23752497

Email: anoopsingh.bisht@nic.in

Copy also to: NIC with the request to upload the same on MoP Portal

01.02.2024
JPP/10A/2024

To,

Tata Steel Limited,
Jamshedpur - 831001

Ref:

- i. JSERC's Orders dated 09.1.2024 in Case (Tariff) No. 18 of 2022 and Case No. 18 of 2022.
- ii. JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 [JSERC (Generation Tariff 1st Amendment) Regulations, 2023]

Dear Sir,

Subject: Amount payable by TSL as per above Orders pertaining to Jojobera Unit 2 and Unit 3 and JSERC (Generation Tariff 1st Amendment) Regulations, 2023.

The Hon'ble Commission in the above order against Case No. 18 of 2022 has approved the Revised ARR for FY 2019-20 and for MYT Control Period FY 2022-26 (Copy of the Order is attached as **Annexure-1**). Further, the Hon'ble Commission in its Order in Case (Tariff) No. 18 of 2022, while dealing with True-up of FY 2021-22 and APR for FY 2022-23, approved the Revenue Gap/(Surplus) for FY 2021-22 and Revised the ARR for FY 2022-23 duly taking into account the Order in Case No. 18 of 2022 for these years and JSERC (Generation Tariff 1st Amendment) Regulations, 2023 (Copy of the Order is attached as **Annexure-2**).

The Hon'ble Commission, further, in Paras 5.118 & 5.119 with respect to FY 2021-22 has directed Tata Power to adjust gap/(surplus) duly taking into account other adjustments, if any, between Tata Power and its beneficiary in terms of Regulation 7.4 of JSERC Generation Tariff Regulations, 2020.

Further, differential AFC for 2022-23 & 2023-24 (up to Dec-23) arising due to revised fixed charges approved in above Orders compared to billed and differential energy charges arising on account of revised operational norms as per 1st Amendment for these years is also being recovered through present bill.

In addition to above, gains arising due to variation in norms as per Regulation 6.14 read with 1st Amendment to Tariff Regulations is also being shared in the present bill.

The above computations have been provided in **Annexure-3** for reference and the summary of the amount payable by Tata Steel Ltd -Distribution Licensee for the above period for Unit 2 and Unit 3 is presented in the table below:

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Amount payable by TSL as per Orders dated 9.01.2024 and 1st Amendment to Generation Tariff Regulations, 2020				
Particulars	UoM	Unit 2	Unit 3	Total
FY 2019-20	Rs Cr.	0.21	0.33	0.53
FY 2021-22	Rs Cr.	4.04	1.22	5.26
FY 2022-23	Rs Cr.	9.91	11.09	20.99
FY 2023-24 (Upto Dec-23)	Rs Cr.	9.38	10.19	19.57
Total	Rs Cr.	23.53	22.82	46.35
Total Recoverable	Rs	235312229	228196689	463508918

Further, pending the clarification on the methodology of computation of carrying cost including carrying cost on six instalments till actual date of payment of such instalments, the above bill amount is subject to change upon any order/judgement of higher authority/court in future.

We trust the same is in order.

Thanking You,

Yours Faithfully,

JAGMIT
SINGH SIDHU
(Jagmit Singh Sidhu)
CEO - IEL & Chief -Jamshedpur Operations

Digitally signed by
JAGMIT SINGH SIDHU
Date: 2024.02.02
19:40:38 +05'30'

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Summary of Net Gap/(Surplus) for FY 2019-20, FY 2021-22, FY 22-23 & FY 2023-24 (Upto Dec 23)						ANNEXURE-3
Revenue Gap/(surplus) for 2019-20						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
1	ARR Approved as per Order dated 09.01.2024	a	331.98	314.50	646.48	Revised Table 51 of the Order dtd 09.01.2024 in Case No. 18 of 2022
2	ARR Approved as per order dtd 04.11.2022	b	331.84	314.28	646.12	
3	Net Gap/(Surplus)	c = a-b	0.14	0.22	0.36	
4	Carrying Cost for the period 01.10.2019 i.e., Mid of 2019-20 to 09.01.2024	d	0.07	0.11	0.17	Refer to Annexure A
5	Net Gap/(Surplus) with Carrying Cost	e = c + d	0.21	0.33	0.53	
Revenue Gap/(Surplus) for 2021-22						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
6	ARR Approved as per Order dated 09.01.2024	a1	273.97	296.91	570.88	Table 55 of the Order dated 09.01.2024 in Case (Tariff) No. 18 of 2022
7	Revenue from Sale of Power	b1	275.76	295.26	200.73	
8	Gap/(Surplus) for FY 22	c1 = a1-b1	-1.79	1.65	-0.14	
9	Amount already (paid)/recovered as per MYT Order dtd. 4.11.22	d1	-5.49	0.73	-4.76	Ref Letter No JPP/09/2023 (Enclosed as Annexure-F)
10	Net Gap/(Surplus)	e1 = c1-d1	3.70	0.92	4.61	
11	Carrying Cost	f1	0.34	0.30	0.64	Refer to Annexure B
12	Net Gap/(Surplus) with Carrying Cost	g1 = e1 + f1	4.04	1.22	5.26	
Revenue Gap/(Surplus) for 2022-23						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
13	AFC approved for FY 23	a2	106.60	104.59	211.19	Table 98 of the Order dated 09.01.2024 in Case (Tariff) No. 18 of 2022(AFC+Water Charges)
14	AFC Billed for FY 23	b2	104.32	102.24	206.56	Table 138 & 139 of the Order dtd 04.11.2022
15	Gap/(Surplus) in AFC for FY 23-----i	c2 = a2-b2	2.28	2.35	4.63	
16	Revised Energy Charges for FY 23	d2	255.86	261.65	517.51	Due to Revised Norms as per 1st Amendment to Tariff Regulations. Refer to Annexure C
17	Energy Charges Billed for FY 23	e2	245.85	250.43	496.28	As per Monthly Bills for FY 23
18	Gap/(Surplus) in Energy Charges for FY 23-----ii	f2 = d2 - e2	10.01	11.22	21.23	
19	Gap/(Surplus) in SHAKTI Discount for FY 23-----iii*	g2				*Impact on shakti discount is not billed now and the same has been factored in True-up proposal
20	Less: Sharing of Operational Gains	h2	2.38	2.49	4.87	In terms of Regulation 6.14 read with 1st Amendment to Tariff Regulations operational gains is being shared with TSL. Refer to Annexure D
21	Net Gap/(Surplus) ---i+ii+iii	i2=c2+f2+g2-h2	9.91	11.09	20.99	
Revenue Gap/(Surplus) for 2023-24						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
22	AFC approved for FY 24 in Review Order	a3	108.66	106.66	215.32	Revised Table 138 & 139 of the Order dtd 09.01.2024 in Case No. 18 of 2022
23	AFC upto December 2023 (Prorata)	b3 = a3 x 9/12	81.50	80.00	161.49	Prorata AFC for 9 months
24	AFC approved for FY 24 in MYT Order dated 04.11.2022	c3	106.59	104.26	210.85	
25	AFC Billed upto December 2023	d3 = c3 x 9/12	79.94	78.20	158.14	As per Monthly Bills
26	Gap/(Surplus) in AFC Upto Dec 23	e3 = b3-d3	1.55	1.80	3.35	
27	Revised Energy Charges for FY 24(Upto Oct 23)	f3	160.93	160.28	321.21	Due to Revised Norms as per 1st Amendment to Tariff Regulations. Monthly Energy Charges for Nov-23 and Dec 23 were billed as per revised Operational Norms. Refer to Annexure E
28	Energy Charges Billed upto Oct-23	g3	153.11	151.89	305.00	As per Monthly Bills for FY 23
29	Gap/(Surplus) in Energy Charges upto Oct 24-----ii	h3 = f3 - g3	7.82	8.39	16.21	
30	Gap/(Surplus) in SHAKTI Discount upto Oct 24-----iii*	i3				*Impact on shakti discount is not billed now and the same shall be factored in True-up proposal
31	Net Gap/(Surplus) ---i+ii+iii	j3 = e3+h3+i3	9.38	10.19	19.57	
32	Total Gap/(Surplus)	A = c + e1+i2+j3	23.12	22.41	45.54	
33	Carrying Cost	B = d + f1	0.41	0.41	0.82	Carrying cost on Gap of 2019-20 & 2021-22
34	Total Gap/(Surplus) with Carrying Cost	C = A + B	23.53	22.82	46.35	Net Recoverable from TSL as per Orders dated 09.1.2024 & 1st Amendment to Generation Tariff Regulations, 2020
35	Total Gap/(Surplus) with Carrying Cost (In Rs.)	D = C*10^7	235312229	228196689	463508918	

ANNEXURE-A

Carrying cost on Revenue GaP of FY 2019-20 Upto Dec 2023 for Unit 2 (In Rs. Crore)						Total
Unit 2	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24 (Upto Dec 2023)	
Opening Gap		0.14	0.14	0.14	0.14	
Addition during FY	0.14	0	0	0	0	
Closing	0.14	0.14	0.14	0.14	0.14	0.14
Interest Rate	12.55%	11.65%	10.50%	10.50%	12.00%	
Carrying cost	0.009	0.016	0.015	0.015	0.013	0.07

Carrying cost on Revenue GaP of FY 2019-20 Upto Dec 2023 for Unit 2 (In Rs. Crore)						Total
Unit 2	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24 (Upto Dec 2023)	
Opening Gap		0.22	0.22	0.22	0.22	
Addition during FY	0.22	0	0	0	0	
Closing	0.22	0.22	0.22	0.22	0.22	0.22
Interest Rate	12.55%	11.65%	10.50%	10.50%	12.00%	
Carrying cost	0.014	0.026	0.023	0.023	0.020	0.11

ANNEXURE B

Carrying cost on Revenue GaP of FY 2021-22 Upto Dec 2023 for Unit 2 in (Rs. Crore)				Total
Unit 2	FY 2021-22	FY 2022-23	FY 2023-24 (Upto Dec 2023)*	
Opening Gap		-1.79	3.70	
Addition during FY	-1.79	0.00	0.00	
Adjustment during FY	0.00	5.49	0.00	
Closing	-1.79	3.70	3.70	3.70
Interest Rate	10.50%	10.50%	12.00%	
Carrying cost	-0.09	0.10	0.33	0.34

Carrying cost on Revenue GaP of FY 2021-22 Upto Dec 2023 for Unit 3 in (Rs. Crore)				Total
Unit 3	FY 2021-22	FY 2022-23	FY 2023-24 (Upto Dec 2023)*	
Opening Gap		1.65	0.92	
Addition during FY	1.65	0.00	0.00	
Adjustment during FY	0.00	-0.73	0.00	
Closing	1.65	0.92	0.92	0.92
Interest Rate	10.50%	10.50%	12.00%	
Carrying cost	0.09	0.13	0.08	0.30

* Carrying cost upto Dec-23.

REVISED ENERGY CHARGES FOR FY 2022-23 - Unit 2 & 3

ANNEXURE C

Unit 2	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY 2022-23
Normative SHR	Kcal/kWh	2567	2567	2567	2567	2567	2567	2567	2567	2567	2567	2567	2567	
Normative APC	%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Normative SFC	ml/kWh	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	
Wt Avg GCV of Coal	Kcal/kg	4289	3186	3539	3691	3699	3721	4073	4119	3867	3878	4098	3955	
Wt Avg GCV of Coal less 85kCal/kg	Kcal/kg	4204	3101	3454	3606	3614	3636	3988	4034	3782	3793	4013	3870	
Wt Avg Price of Coal	Rs/Ton	4074	3458	3960	3899	4295	4145	4309	4388	3670	3989	4433	4909	
GCV of LDO	Kcal/L	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100	
Price of LDO	Rs/KL	60505	65875	65875	68857	71764	73186	74317	74317	74858	74858	76507	76471	
ECR as per Reg. 17.8 of GTR20	Rs/kWh	2.793	3.211	3.301	3.117	3.424	3.286	3.118	3.138	2.805	3.036	3.187	3.654	
Ex-Bus Generation for the Month	Kwh	73278769	67577835	72745620	69138594	65852448	61884752	68854001	70227739	58213025	70980028	58637964	68900923	
Revised Energy Charges for the Month--i	Rs.	204667601	216992429	240133292	215504997	225478780	203353294	214686775	220374646	163287534	215495365	186879191	251763972	2558617877
Energy Charges Billed* ---ii	Rs.	197113031	207594378	230313827	206910671	216486948	195278093	206575938	212136467	156953199	207160153	179882267	242144808	2458549780
Energy Charges Recoverable----i-ii	Rs.	7554570	9398051	9819465	8594326	8991832	8075201	8110837	8238179	6334335	8335212	6996924	9619164	100068097

Unit 3	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY 2022-23
Normative SHR	Kcal/kWh	2577	2577	2577	2577	2577	2577	2577	2577	2577	2577	2577	2577	
Normative APC	%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Normative SFC	ml/kWh	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	
Wt Avg GCV of Coal	Kcal/kg	3816	3468	3642	3663	3823	3794	4003	4068	3840	3810	3822	4004	
Wt Avg GCV of Coal less 85kCal/kg	Kcal/kg	3731	3383	3557	3578	3738	3709	3918	3983	3755	3725	3737	3919	
Wt Avg Price of Coal	Rs/Ton	3102	3713	4015	3965	4273	4158	4446	4239	3585	3937	4170	4999	
GCV of LDO	Kcal/L	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100	
Price of LDO	Rs/KL	60505	65875	65875	68857	71764	73186	74317	74317	74858	74858	76507	76471	
ECR as per Reg. 17.8 of GTR20	Rs/kWh	2.410	3.174	3.263	3.205	3.307	3.244	3.285	3.084	2.771	3.062	3.232	3.689	
Ex-Bus Generation for the Month	Kwh	69867501	73829056	69533563	74065091	74043963	70615615	63676361	45014561	61084179	77496296	69270619	80547195	829043999
Revised Energy Charges for the Month--i	Rs.	168380677	234333422	226888016	237378617	244863386	229077054	209176847	138824906	169264260	237293658	223882640	297138601	2616502084
Energy Charges Billed* ---ii	Rs.	161176645	223785647	216896667	226985898	234404662	219253580	200401607	133056848	162061467	227189900	214331191	284723181	2504267293
Energy Charges Recoverable----i-ii	Rs.	7204032	10547775	9991349	10392719	10458724	9823474	8775240	5768058	7202793	10103758	9551449	12415420	112234791

* Energy Charges excluding SHAKTI Discount

Sharing of Operational Savings for FY 2022-23**ANNEXURE D**

Operational Savings for FY 2022-23 as per JSERC Generation Tariff Regulation, read with (1st Amendment) Regulations, 2023						
S.NO	Particulars	UoM	Unit 2		Unit 3	
			Normative	Actual	Normative	Actual
1	Heat Rate	kCal/kWh	2567.00	2535.92	2577.00	2533.35
2	Auxiliary Power	%	10.00%	8.50%	10.00%	8.61%
3	Sp. LDO Consumption	ml/Kwh	0.50	0.09	0.50	0.21
4	Equivalent GCV of Coal (CVPF)	Kcal/Kg	3819.69	3819.69	3796.75	3796.75
5	Equivalent GCV of Coal (CVPF) less 85 kCal/kg	Kcal/Kg	3734.69	3734.69	3711.75	3711.75
6	Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4110.70	4110.70	4046.44	4046.44
7	Equivalent GCV of LDO (CVPF)	kCal/L	9100	9100	9100	9100
8	Equivalent Landed Price of LDO (LPPF)	Rs/KL	74077	74077	71491	71491
9	Energy Charge Rate (ECR)	Rs/kWh	3.175	3.057	3.156	3.036
10	Savings in ECR (ECR _N - ECR _A)	Rs/kWh	0.118		0.120	
11	Ex-Bus Generation	MU	806.29		829.04	
12	Gain/(Loss) on Operational Parameters	Rs. Crore	9.51		9.95	
13	Savings to be Shared by Gen Companies as per Amended Reg (25%)	Rs. Crore	2.38		2.49	

REVISED ENERGY CHARGES FOR FY 2023-24(Upto Oct 23) - Unit 2 & 3

ANNEXURE E

Unit 2	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	FY 2023-24 (Upto Oct-23)
Normative SHR	Kcal/kWh	2567	2567	2567	2567	2567	2567	2567	
Normative APC	%	10%	10%	10%	10%	10%	10%	10%	
Normative SFC	ml/kWh	0.500	0.500	0.500	0.500	0.500	0.500	0.500	
Wt Avg GCV of Coal	Kcal/kg	3864	3795	3926	3616	3964	3481	3560	
Wt Avg GCV of Coal less 85kCal/kg	Kcal/kg	3779	3710	3841	3531	3879	3396	3475	
Wt Avg Price of Coal	Rs/Ton	4691	4298	4621	3730	3700	3223	3989	
GCV of LDO	Kcal/L	10592	10720	10270	10470	10625	10340	10245	
Price of LDO	Rs/KL	76464	76330	76330	75797	75379	77307	81771	
Energy Charge Rate as per Reg. 17.8 of GTR20	Rs/kWh	3.576	3.339	3.467	3.049	2.757	2.745	3.313	
Ex-Bus Generation for the Month	Kwh	74473104	72920680	77029021	76286948	79356744	70179899	56884474	507130869
Revised Energy Charges for the Month--i	Rs.	266315821	243482150	267059614	232598904	218786543	192643823	188458261	1609345116
Energy Charges Billed* ---ii	Rs.	253508373	231716751	254322543	221092978	208407710	182962975	179084512	1531095842
Energy Charges Recoverable----i-ii	Rs.	12807448	11765398	12737071	11505927	10378833	9680848	9373749	78249274

Unit 3	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	FY 2023-24 (Upto Oct-23)
Normative SHR	Kcal/kWh	2577	2577	2577	2577	2577	2577	2577	
Normative APC	%	10%	10%	10%	10%	10%	10%	10%	
Normative SFC	ml/kWh	0.500	0.500	0.500	0.500	0.500	0.500	0.500	
Wt Avg GCV of Coal	Kcal/kg	3871	3820	3883	3686	3711	3467	3599	
Wt Avg GCV of Coal less 85kCal/kg	Kcal/kg	3786	3735	3798	3601	3626	3382	3514	
Wt Avg Price of Coal	Rs/Ton	4757	4678	4391	3664	3119	3206	4092	
GCV of LDO	Kcal/L	10592	10720	10270	10470	10625	10340	10245	
Price of LDO	Rs/KL	76464	76330	76330	75797	75379	77307	81771	
Energy Charge Rate as per Reg. 17.8 of GTR20	Rs/kWh	3.633	3.621	3.346	2.949	2.500	2.753	3.373	
Ex-Bus Generation for the Month	Kwh	78110943	73779085	71597217	69614574	71617953	69323312	70297989	504341073
Revised Energy Charges for the Month--i	Rs.	283777055	267154068	239564287	205293378	179044882	190847078	237115118	1602795866
Energy Charges Billed* ---ii	Rs.	269115804	253289636	227239417	194521778	169699930	180533778	224500666	1518901008
Energy Charges Recoverable----i-ii	Rs.	14661251	13864433	12324869	10771600	9344952	10313300	12614452	83894857

* Energy Charges excluding SHAKTI Discount

01.01.2023

JPP/09/2023

To,

Tata Steel Limited,
Jamshedpur - 831001

Ref: JSERC's Order dated 04.11.2022 in Case (Tariff) No. 10 of 2020 i.e., Petition for True-up for FY 2019-20, APR for FY 2020-21 and MYT Petition for FY 2022-26.

Dear Sir,

Subject: Amount payable by TSL as per above Order pertaining to Jojobera Unit 2 and Unit 3

The Hon'ble Commission in the above Order has approved the Revenue Gap/(Surplus) for FY 2019-20 and has revised the ARR for MYT Period FY 2022-26 (Copy of the Order is attached as **Annexure-1**). While doing so, the Hon'ble Commission has computed the carrying cost such that the Gap/(Surplus) is completely recovered by March-2023. Therefore, Tata Power based on the above direction is recovering the net Gap for the period FY 20, FY 22 & FY 23(Upto October 2022) from the Beneficiary in four months i.e., from December-22 to March-23. Relevant Para, 5.123 of the Order is extracted below:

"5.123 The Commission has examined the detail submitted by the Petitioner along with audited certificate submitted along with the Petition and approves the Gap/(Surplus) for FY 2019-20 for Unit-II and Unit-III in the following tables.

Table 54: Gap/(Surplus) for Unit-II as approved by the Commission (Rs. Crore)

Particulars	FY 2019-20 (Approved)	FY 2020-21 (Approved)	FY 2021-22 (Approved)	FY 2022-23 (Approved)
Opening Gap/(Surplus)	-	(0.50)	6.13	5.98
Addition during the Financial Year	(4.19)	0.00	0.00	0.00
Adjustment during the FY	3.69	6.63	(0.15)	5.98
Closing Balance	(0.50)	6.13	5.98	0.00
Interest Rate	12.55%	11.65%	10.50%	10.50%
Carrying Cost for respective FY	(0.22)	0.65	0.63	0.47*

***Interest computed for 9 months considering complete recovery by March 2023**

Table 55: Gap/(Surplus) for Unit-III as approved by the Commission (Rs. Crore)

Particulars	FY 2019-20 (Approved)	FY 2020-21 (Approved)	FY 2021-22 (Approved)	FY 2022-23 (Approved)
Opening Gap/(Surplus)	-	(3.06)	4.60	4.54
Addition during the Financial Year	(7.04)	0.00	0.00	0.00
Adjustment during the FY	3.98	7.66	(0.06)	4.54
Closing Balance	(3.06)	4.60	4.54	0.00

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

<i>Interest Rate</i>	<i>12.55%</i>	<i>11.65%</i>	<i>10.80%</i>	<i>10.50%</i>
<i>Carrying Cost for respective FY</i>	<i>(0.40)</i>	<i>0.41</i>	<i>0.48</i>	<i>0.36*</i>

****Interest computed for 9 months considering complete recovery by March 2023....****

Further, since AFC of 2021-22 & 2022-23 has been revised compared to AFC billed for these years, the differential AFC for 2021-22 & 2022-23 (Upto Oct-22) is also being recovered/refunded depending upon the gap/(surplus) for the year through present bill. The above computations have been provided in **Annexure -2** for reference and the summary of the amount payable by Tata Steel Ltd -Distribution Licensee for the above period for Unit 2 and Unit 3 is presented in the table below:

Amount payable by TSL as per MYT Order dated 04.11.2022				
Particulars	UoM	Unit 2	Unit 3	Total
FY 2019-20	Rs Crore	7.51	5.39	12.90
FY 2021-22*	Rs Crore	-5.49	0.73	-4.76
FY 2022-23 (Upto Oct-22)*	Rs Crore	-1.29	1.91	0.63
Total	Rs Crore	0.73	8.03	8.77
Total Recoverable	Rs	7340641	80346774	87687416

** Differential Fixed Charges*

Further, pending the clarification on the methodology of computation of carrying cost including carrying cost on six instalments till actual date of payment of such instalments, the above bill amount is subject to change upon any order/judgement of higher authority/court in future.

We trust the same is in order.

Thanking You,

Yours Faithfully,

(Jagmit Singh Sidhu)

CEO - IEL & Chief -Jamshedpur Operations

						ANNEXURE-2
Summary of Net Gap/(Surplus) for FY 2019-20, FY 2021-22 & FY 2022-23 (Upto Oct-22)						
Revenue Gap/(surplus) for 2019-20						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
1	Gap/(Surplus) Approved as per order dtd 04.11.2022	a	5.98	4.54	10.52	Table 54 of the Order dtd 04.11.2022
2	Carrying cost Approved	b	1.53	0.85	2.38	Table 55 of the Order dtd 04.11.2022
3	Net Gap/(Surplus) with Carrying Cost	c = a+b	7.51	5.39	12.90	
Revenue Gap/(surplus) for 2021-22						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
4	AFC approved for FY 22	d	101.04	99.69	200.73	Table 138 & 139 of the Order dtd 04.11.2022
5	AFC Billed for FY 22	e	106.53	98.96	205.49	As per AFC proposed in APR Petition of FY 21-22
6	Gap/(Surplus) for FY 2021-22	f = d-e	-5.49	0.73	-4.76	
Revenue Gap/(surplus) for 2022-23						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
7	AFC approved for FY 23	g	104.32	102.24	206.56	Table 138 & 139 of the Order dtd 04.11.2022
8	Approved AFC upto October 2022 (Prorata)	h	60.85	59.64	120.49	Prorata AFC for 7 months
9	AFC Billed for FY 23 upto October 2022	i	62.14	57.73	119.87	AFC billed as per AFC of FY 22 as proposed in APR Petition of FY 21-22-Prorata for 7 Months
10	Gap/(Surplus) for FY 2022-23 upto Oct-22	j = h-i	-1.29	1.91	0.63	
11	Net Gap/(Surplus) (3+6+10) (In Rs. Cr)	k = c+f+j	0.73	8.03	8.77	Net Recoverable from TSL as per TO dated 04.11.2022
12	Net Gap/(Surplus) (In Rs.)	l = k*10 ⁷	7340641	80346774	87687416	

TSL- Tata Steel Distribution Licensee

Annexure-R12**List of the revised tables from the main petition**

Sr. No.	Table No	Particulars
1	Table 3	Operational Performance Unit # 2
2	Table 4	Operational Performance Unit # 3
3	Table 5	Operational Performance Unit # 2&3
4	Table 9	Secondary Fuel Parameters for FY 2022-23
5	Table 10	Secondary Fuel Parameters Units 2&3 for FY 2022-23(Combined)
6	Table11	Energy Charges for FY 2022-23 - Unit # 2
7	Table12	Energy Charges for FY 2022-23 - Unit # 3
8	Table13	Energy Charges for FY 2022-23 - Unit # 2&3 Combined
9	Table 29	Gross Fixed Assets of Unit # 2 - FY 2022-23
10	Table 30	Gross Fixed Assets of Unit # 3 - FY 2022-23
11	Table 31	Gross Fixed Assets of Unit # 2& 3 FY 2022-23 (combined)
12	Table 35	Return on Equity (Pre-tax) FY 2022-23 - Unit # 2
13	Table 36	Return on Equity (Pre-tax) FY 2022-23 - Unit # 3
14	Table 37	Return on Equity (Pre-tax) FY 2022-23 - Unit #2&3 (comb.)
15	Table 38	Interest on Loan for FY 2022-23 - Unit # 2
16	Table 39	Interest on Loan for FY 2022-23 - Unit # 3
17	Table 40	Interest on Loan for FY 2022-23 - Unit # 2&3 (combined)
18	Table41	Depreciation for FY 2022-23 - Unit # 2
19	Table42	Depreciation for FY 2022-23 - Unit # 3
20	Table43	Depreciation for FY 2022-23 - Unit # 2&3 (combined)
21	Table44	Summary of Depreciation for FY 2022-23 - Unit # 2
22	Table45	Summary of Depreciation for FY 2022-23 - Unit # 3
23	Table46	Summary of Depreciation for FY 2022-23-Unit # 2&3 (comb.)
24	Table49	Revised Normative Expenses for FY 2022-23 - Unit # 2&3
25	Table51	Summary of O & M expenses for FY 2022-23 - Unit # 2
26	Table52	Summary of O & M expenses for FY 2022-23 - Unit # 3
27	Table53	Summary of O & M expenses for FY 2022-23 -Unit#2&3(comb.)
28	Table54	Interest on Working Capital for FY 2022-23 - Unit # 2
29	Table55	Interest on Working Capital for FY 2022-23 - Unit # 3
30	Table56	Interest on Working Capital for FY 2022-23 - Unit # 2&3(comb.)
31	Table60	Operational Gain for FY 2022-23 as per GTR 2020 - Unit # 2&3 unit wise
32	Table61	Operational Gain for FY 2022-23 as per GTR 2020 - Unit # 2&3 Combined
33	Table62	Gain in O&M Expenses for FY 2022-23 - Unit # 2
34	Table63	Gain in O&M Expenses for FY 2022-23 - Unit # 3
35	Table64	Gain in O&M Expenses for FY 2022-23 - Unit # 2&3 (comb.)
36	Table68	Annual Fixed Charges for FY 2022-23 - Unit # 2
37	Table69	Annual Fixed Charges for FY 2022-23 - Unit # 3
38	Table70	Annual Fixed Charges for FY 2022-23 - Unit # 2&3 (combined)
39	Table71	Annual Revenue Requirement FY 2022-23 for Unit # 2
40	Table72	Annual Revenue Requirement FY 2022-23 for Unit # 3
41	Table73	Annual Revenue Requirement FY 2022-23 for Unit#2&3 (comb.)
42	Table74	Revenue Gap/(Surplus)+Carrying Cost for FY 2022-23 for Unit#2

43	Table75	Revenue Gap/(Surplus) + Carrying Cost-FY 2022-23 for Unit#3
44	Table76	Revenue Gap/(Surplus)+Carrying Cost-FY 2022-23 for Unit#2&3 (comb.)
45	Table80	Projected Coal Parameters for FY 2023-24- Unit # 2 (Only LDO-GCV revised)
46	Table81	Projected Coal Parameters for FY 2023-24- Unit # 3 (Only LDO-GCV revised)
47	Table82	Projected Coal Parameters for FY 2023-24- Unit # 2&3 comb. (Only LDO-GCV revised)
48	Table83	Projected Energy Charges for FY 2023-24 - Unit # 2
49	Table84	Projected Energy Charges for FY 2023-24 - Unit # 3
50	Table85	Projected Energy Charges for FY 2023-24 - Unit # 2&3(Combined)
51	Table96	Gross Fixed Asset of Unit # 2 - FY 2023-24
52	Table97	Gross Fixed Asset of Unit # 3 - FY 2023-24
53	Table98	Gross Fixed Asset of Unit #2&3 (combined) - FY 2023-24
54	Table102	Return on Equity (Pre-tax) for FY 2023-24 - Unit # 2
55	Table103	Return on Equity (Pre-tax) for FY 2023-24 - Unit # 3
56	Table104	Return on Equity (Pre-tax) for FY 2023-24 - Unit #2&3 (comb.)
57	Table105	Interest on Loan for FY 2023-24 - Unit # 2
58	Table106	Interest on Loan for FY 2023-24 - Unit # 3
59	Table107	Interest on Loan for FY 2023-24 - Unit #2&3 (comb.)
60	Table108	Depreciation for FY 2023-24 - Unit # 2
61	Table109	Depreciation for FY 2023-24 - Unit # 3
62	Table110	Depreciation for FY 2023-24 - Unit # 2&3 (comb.)
63	Table111	Summary of Depreciation for FY 2023-24 - Unit # 2
64	Table112	Summary of Depreciation for FY 2023-24 - Unit # 3
65	Table113	Summary of Depreciation for FY 2023-24 - Unit # 2&3 (comb.)
66	Table115	Revised Normative Expenses for FY 2023-24 - Unit # 2&3
67	Table117	Summary of O & M expenses for FY 2023-24 - Unit # 2
68	Table117	Summary of O & M expenses for FY 2023-24 - Unit # 2
69	Table118	Summary of O & M expenses for FY 2023-24 - Unit # 3
70	Table119	Summary of O & M expenses for FY 2023-24-Unit # 2&3 (comb.)
71	Table120	Interest on Working Capital for FY 2023-24 - Unit # 2
72	Table121	Interest on Working Capital for FY 2023-24 - Unit # 2
73	Table122	Interest on Working Capital for FY 2023-24 - Unit # 2&3 (comb)
74	Table123	Annual Fixed Charges for FY 2023-24 - Unit # 2
75	Table124	Annual Fixed Charges for FY 2023-24 - Unit # 3
76	Table125	Annual Fixed Charges for FY 2023-24 - Unit # 2&3 (combined)
77	Table126	Annual Revenue Requirement FY 2023-24 - Unit # 2
78	Table127	Annual Revenue Requirement FY 2023-24 - Unit # 3
79	Table128	Annual Revenue Requirement FY 2023-24 - Unit # 2&3 (comb)

ANNEXURE-R13

Revised tables of the main Petition for True-up of FY 2022-23 and APR of 2023-24

1. Table3: Operational Performance Unit # 2

Particulars	UoM	Actual	Approved by Hon'ble Commission	Difference
Unit Capacity	MW	120	120	0.00
Gross Generation	Mus	881.23	893.52	(12.29)
Plant Load Factor	%	83.83%	85.00%	(1.17%)
Auxiliary Consumption	%	8.50%	9.0%	(0.50%)
Ex-Bus Generation	Mus	806.29	813.10	(6.81)
Plant Availability Factor	%	98.99%	85.00%	13.99%
Gross Heat Rate	kCal/kWh	2535.92	2550	(14.08)

2. Table4: Operational Performance Unit # 3

Particulars	UoM	Actual	Approved by Hon'ble Commission	Difference
Unit Capacity	MW	120	120	0.00
Gross Generation	Mus	907.14	893.52	13.62
Plant Load Factor	%	86.30%	85.00%	1.30%
Auxiliary Consumption	%	8.61%	9.0%	(0.39%)
Ex-Bus Generation	Mus	829.04	813.10	15.94
Plant Availability Factor	%	97.37%	85.00%	12.37%
Gross Heat Rate	kCal/kWh	2533.35	2550	(16.65)

3. Table5: Operational Performance Unit #2& 3(Combined)

Particulars	UoM	Actual	Approved by Hon'ble Commission	Difference
Unit Capacity	MW	240	240	0.00
Gross Generation	Mus	1788.37	1787.04	1.33
Plant Load Factor	%	85.06%	85.00%	0.06%
Auxiliary Consumption	%	8.56%	9.00%	(0.44%)
Ex-Bus Generation	Mus	1635.34	1626.21	9.13
Plant Availability Factor	%	98.18%	85.00%	13.18%
Gross Heat Rate	kCal/kWh	2534.61	2550	(15.39)

4. Table9: Secondary Fuel Parameters for FY 2022-23

Particulars	GCV (kCal/L)		Landed Price (Rs/kL)	
	Proposed	Approved in MYT Order	Proposed	Approved in MYT Order
Unit 2	8846	9100	74077	45198
Unit 3	8648	9100	71491	45196

5. Table10: Secondary Fuel Parameters of Units 2&3 for FY 2022-23(Combined)

Particulars	GCV (kCal/L)		Landed Price (Rs/kL)	
	Proposed	Approved in MYT Order	Proposed	Approved in MYT Order
Unit 2+3	8708	9100	72275	45198

6. Table11: Energy Charges for FY 2022-23 - Unit # 2

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	8.50%	9.00%	(0.50%)
Normative Aux Power Consumption	%	10.00%	9.00%	
Normative Gross Heat Rate (GHR)	Kcal/Kwh	2567	2550	17.00
Normative Specific LDO Consumption (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	8846	9100	(254.08)
LDO Landed Price	Rs/KL	74077	45198	28879
Middling Coal				
Middling Coal in mix	%	12.65%	21.81%	(9.16%)
Middling Coal GCV	Kcal/Kg	4100	3861	239.41
Middling Coal Landed Price	Rs/Ton	5301	4223	1078.89
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	14.87%	43.33%	(28.46%)
CCL Shakti R3 GCV	Kcal/Kg	3754	3838	(83.55)
CCL Shakti R3 Landed Price	Rs/Ton	3551	3654	(102.55)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	28.44%	0.00%	28.44%
CCL Shakti WIV GCV	Kcal/Kg	4002	0	4001.80
CCL Shakti WIV Landed Price	Rs/Ton	4551	0	4551.39
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	9.57%	14.49%	(4.93%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3716	3838	(121.71)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3364	3654	(289.63)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	12.55%	13.95%	(1.40%)
MCL [Shakti 2] GCV	Kcal/Kg	3207	3130	77.07
MCL [Shakti 2] Landed Price	Rs/Ton	2673	2507	166.56
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	9.95%	6.42%	3.53%
ECL [Shakti 2] GCV	Kcal/Kg	4965	5109	(144.19)
ECL [Shakti 2] Landed Price	Rs/Ton	5497	5328	169.14

CCL SFA				
CCL SFA Coal in Mix	%	11.86%	0	11.86%
CCL SFA GCV	Kcal/Kg	2940	0	2940.27
CCL SFA Landed Price	Rs/Ton	3411	0	3411.29
WB Reject				
WB Reject Coal in Mix	%	0.03%	0.00%	0.03%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing				
WB Tailing Coal in Mix	%	0.08%	0.00%	0.08%
WB Tailing GCV	Kcal/Kg	4205	0	4205.17
WB Tailing coal Landed Price	Rs/Ton	9220	0	9220.00
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3819.69	3825.49	(90.81)
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	Kcal/Kg	3734.69		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4110.70	3725.22	385.48
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.134	2.724	0.41
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.041	0.025	0.02
Energy Charge Rate (ECR)	Rs/Kwh	3.175	2.749	0.43
Ex-Bus Generation	MUs	806.29	813.10	(6.81)
Energy Charges	Rs Crore	256.01	223.50	32.51

7. Table12: Energy Charges for FY 2022-23 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	8.61%	9.00%	(0.39%)
Normative Aux Power Consumption		10.00%	9.00%	
Gross Heat Rate (GHR)	Kcal/Kwh	2577	2550	27.00
Normative Specific LDO Consumption (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	8648	9100	(452.05)
LDO Landed Price	Rs/KL	71491	45196	26295
Middling Coal				
Middling Coal in mix	%	17.93%	21.80%	(3.87%)
Middling Coal GCV	Kcal/Kg	4105	3860	244.69
Middling Coal Landed Price	Rs/Ton	5171	4223	947.85
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	14.18%	43.34%	(29.15%)
CCL Shakti R3 GCV	Kcal/Kg	3776	3856	(80.71)
CCL Shakti R3 Landed Price	Rs/Ton	3560	3820	(260.28)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	28.38%	0.00%	28.38%
CCL Shakti WIV GCV	Kcal/Kg	4010	0	4009.78
CCL Shakti WIV Landed Price	Rs/Ton	4581	0	4580.85
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	10.76%	14.49%	(3.73%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3724	3856	(132.32)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3317	3820	(503.37)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	15.32%	13.95%	1.37%
MCL [Shakti 2] GCV	Kcal/Kg	3243	3107	135.69
MCL [Shakti 2] Landed Price	Rs/Ton	2673	2519	153.96
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	4.50%	6.42%	(1.92%)
ECL [Shakti 2] GCV	Kcal/Kg	4965	5001	(35.18)
ECL [Shakti 2] Landed Price	Rs/Ton	5462	5348	114.19

CCL SFA				
CCL [SFA] Coal in Mix	%	8.93%	0.00%	8.93%
CCL [SFA] GCV	Kcal/Kg	2985	0	2985.29
CCL [SFA] Landed Price	Rs/Ton	3388	0	3388.01
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3796.75	3826.01	(114.25)
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	Kcal/Kg	3711.75		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4046.44	3824.40	222.04
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.116	2.796	0.32
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.040	0.025	0.01
Energy Charge Rate (ECR)	Rs/Kwh	3.156	2.821	0.34
Ex-Bus Generation	MUs	829.04	813.10	15.94
Energy Charges	Rs Crore	261.65	229.36	32.28

8. Table13: Energy Charges for FY 2022-23 - Units 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	8.56%	9.00%	(0.44%)
Normative Aux Power Consumption	%	10.00%	9.00%	
Normative Gross Heat Rate (GHR)	Kcal/Kwh	2572	2550	22.00
Normative Specific LDO Consumption (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	8708	9100	(392.04)
LDO Landed Price	Rs/KL	72275	45197	27078
Middling Coal				0.00
Middling Coal in mix	%	15.33%	21.80%	(6.47%)
Middling Coal GCV	Kcal/Kg	4103	3860	242.46
Middling Coal Landed Price	Rs/Ton	5224	4223	1001.04
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	14.52%	43.33%	(28.81%)
CCL Shakti R3 GCV	Kcal/Kg	3765	3847	(82.20)
CCL Shakti R3 Landed Price	Rs/Ton	3555	3737	(181.44)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	28.41%	0.00%	28.41%
CCL Shakti WIV GCV	Kcal/Kg	4006	0	4005.85
CCL Shakti WIV Landed Price	Rs/Ton	4566	0	4566.35
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	10.17%	14.49%	(4.32%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3720	3847	(126.71)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3339	3737	(398.29)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	13.96%	13.95%	0.01%
MCL [Shakti 2] GCV	Kcal/Kg	3227	3118	108.48
MCL [Shakti 2] Landed Price	Rs/Ton	2673	2513	160.24
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	7.18%	6.42%	0.76%
ECL [Shakti 2] GCV	Kcal/Kg	4965	5055	(89.74)
ECL [Shakti 2] Landed Price	Rs/Ton	5486	5338	148.08

CCL SFA				
CCL SFA Coal in Mix	%	10.37%	0	10.37%
CCL SFA GCV	Kcal/Kg	2960	0	2959.97
CCL SFA Landed Price	Rs/Ton	3401	0	3401.10
WB Reject				
WB Reject Coal in Mix	%	0.02%	0.00%	0.02%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing				
WB Tailing Coal in Mix	%	0.04%	0.00%	0.04%
WB Tailing GCV	Kcal/Kg	4205	0	4205.17
WB Tailing coal Landed Price	Rs/Ton	9220	0	9220.00
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3808.03	3825.75	(102.72)
Eq. GCV of Coal less Storage Loss (Actual-85kCal/Kg)	Kcal/Kg	3723.03		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4078.03	3774.81	303.22
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.125	2.760	0.37
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.040	0.025	0.02
Energy Charge Rate (ECR)	Rs/Kwh	3.165	2.785	0.38
Ex-Bus Generation	MUs	1635.34	1626.21	9.13
Energy Charges	Rs Crore	517.61	452.86	64.74

9. Table29: Gross Fixed Assets (In Rs. Crore) of Unit # 2 - FY 2022-23

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2022-23	490.89	499.96
Addition during FY 2022-23	0.52	6.74
Deletion During FY 2022-23 in Org Project Cost	-0.11	-1.94
Deletion During FY 2022-23 in Add Cap	-0.02	
Closing GFA at the end of FY 2022-23	491.27	504.76

10. Table30: Gross Fixed Assets (In Rs. Crore) of Unit # 3 - FY 2022-23

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2022-23	474.98	488.65
Addition during FY 2022-23	0.70	2.40
Deletion During FY 2022-23 in Org Project Cost	0.004	-0.58
Deletion During FY 2022-23 in Add Cap	-0.02	
Closing GFA at the end of FY 2022-23	475.66	490.47

11. Table31: Gross Fixed Assets (In Rs. Crore) of Unit # 2 & 3(Combined) - FY 2022-23

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2022-23	965.88	988.61
Addition during FY 2022-23	1.22	9.14
Deletion During FY 2022-23 in Org Project Cost	-0.11	-2.52
Deletion During FY 2022-23 in Add Cap	-0.05	
Closing GFA at the end of FY 2022-23	966.95	995.23

12. Table35: Return on Equity (Pre-tax) (In Rs. Crore) for FY 2022-23 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	147.27	149.99	(2.61)
Addition	0.11	1.44	(1.33)
Closing Equity	147.38	151.43	(3.94)
Avg Equity	147.32	150.71	(3.27)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	29.53	28.20	1.36

13. Table36: Return on Equity (Pre-tax) (In. Rs. Crore) for FY 2022-23 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	142.49	146.60	(3.88)
Addition	0.20	0.55	(0.34)
Closing Equity	142.70	147.14	(4.22)
Avg Equity	142.60	146.87	(4.05)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	28.58	27.48	1.15

14. Table37: Return on Equity (Pre-tax) (In. Rs. Crore) for FY 2022-23 - Unit # 2&3 (Combined)

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	289.76	146.60	(3.88)
Addition	0.32	0.55	(0.34)
Closing Equity	290.08	147.14	(4.22)
Avg Equity	289.92	146.87	(4.05)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	58.11	27.48	1.15

15. Table38: Interest on Loan (In Rs. Crore) for FY 2022-23 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	27.14	27.82	(9.93)
Additional Capitalization during the year	0.52	6.74	(6.22)
Additional Loan due to addition during the year (70% of Add Cap)	0.36	4.72	(4.36)
Deletion during the year excluding deletion pertaining to Original Project Cost	-0.02	0.00	(0.02)
Adjustment due to deletion(reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	10.73	8.09	1.56
Closing Debt	16.77	24.45	(15.85)
Average Loan Balance	21.96	26.13	(12.89)
Computation of IoL			
Rate of Interest (SBI 1yr MCLR + 2%)	9.00%	9.00%	
Interest on Loan	1.98	2.35	(1.16)

16. Table39: Interest on Loan (In Rs. Crore) FY 2022-23 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	27.00	24.92	(6.36)
Additional Capitalization during the year	0.70	2.40	(1.70)
Additional Loan due to addition during the year (70% of Add Cap)	0.49	1.68	(1.19)
Deletion during the year excluding deletion pertaining to Original Project Cost	-0.02	0.00	(0.02)
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	8.49	8.85	(0.93)
Closing Debt	19.00	17.75	(6.62)
Average Loan Balance	23.00	21.34	(6.49)
Computation of IoL			
Rate of Interest (SBI 1yr MCLR + 2%)	9.00%	9.00%	
Interest on Loan	2.07	1.92	(0.58)

17. Table40: Interest on Loan (In Rs. Crore) FY 2022-23 - Unit # 2&3(Combined)

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	54.14	24.92	(6.36)
Additional Capitalization during the year	1.22	2.40	(1.70)
Additional Loan due to addition during the year (70% of Add Cap)	0.85	1.68	(1.19)
Deletion during the year excluding deletion pertaining to Original Project Cost	-0.05	0.00	(0.02)
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	19.74	8.85	(0.93)
Closing Debt	35.25	17.75	(6.62)
Average Loan Balance	44.70	21.34	(6.49)
Computation of IoL			
Rate of Interest (SBI 1yr MCLR + 2%)	9.00%	9.00%	
Interest on Loan	4.02	1.92	(0.58)

18. Table41: Depreciation (In Rs. Crore) for FY 2022-23 - Unit # 2

Particulars	Formulae	Org	Add Cap	Total
		FY 23	FY 23	FY 23
Opening GFA	a	411.88	79.01	490.89
Addition (as proposed)	b1	0.00	0.52	0.52
Deletion (as proposed)	b2	0.11	0.02	0.14
Closing GFA	$c = a+b1-b2$	411.77	79.50	491.28
Avg GFA	$d = (a+c)/2$	411.83	79.26	491.08
Depreciable Value @90%	$e = dx90\%$	370.64	71.33	441.98
Cumulative depreciation allowed upto beginning of the year	f	351.20	28.43	379.63
Less: Adjustment for Decapitalisation	g	0.29	0.02	0.31
Opening Cumulative Depreciation [Value, %]	$h = f-g$	350.91	28.41	379.32
	$i = h/c$	85%	36%	77%
Balance Depreciable Value	$J=e-h$	19.73	42.93	62.66
Balance Useful life at the beginning of the year	$k=25-Age$	4.00	4.00	4.00
Annual Depreciation (spread in balance useful life)	$l=j/k$	4.93	10.73	15.66
Closing Cumulative Depreciation [Value]	$m=h-l$	355.85	39.14	394.98

19. Table42: Depreciation (In Rs. Crore) for FY 2022-23- Unit # 3

Particulars	Formulae	Org	Addcap	Total
		FY 23	FY 23	FY 23
Opening GFA	A	401.47	73.53	475.01
Addition (as proposed)	b1	0.00	0.70	0.70
Deletion (as proposed)	b2	0.00	0.02	0.02
Closing GFA	$c = a+b1-b2$	401.48	74.21	475.69
Avg GFA	$d = (a+c)/2$	401.48	73.87	475.35
Depreciable Value (@90% of ClosingGFA)	$e = dx90\%$	361.33	66.48	427.81
Cumulative depreciation recovered till beginning of the year	F	327.61	24.06	351.66
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.03	0.02	0.05
Opening Cumulative Depreciation [Value, %]	$h = f-g$	327.57	24.04	351.61
	$i = h/c$	82%	33%	74%
Balance Depreciable Value	$J=e-h$	33.75	42.44	76.20
Balance Useful life at the beginning of the year	$k=25-Age$	5	5	5
Annual Depreciation on total GFA [Since, cum dep > 70%, to be spread in balance useful life respectively]	$l=j/k$	6.75	8.49	15.24
Closing Cumulative Depreciation [Value]	$m=h-l$	334.33	32.53	366.85

20. Table43: Depreciation (In Rs. Crore) for FY 2022-23- Unit # 2&3(Combined)

Particulars	Formulae	Org	Add Cap	Total
		FY 23	FY 23	FY 23
Opening GFA	A	813.36	152.54	965.90
Addition (as proposed)	b1	0.00	1.22	1.22
Deletion (as proposed)	b2	0.11	0.05	0.16
Closing GFA	c = a+b1-b2	813.25	153.71	966.96
Avg GFA	d = (a+c)/2	813.30	153.13	966.43
Depreciable Value (@90% of Closing GFA)	e = dx90%	731.97	137.81	869.79
Cumulative depreciation recovered till beginning of the year	F	678.80	52.49	731.29
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.31	0.04	0.35
Opening Cumulative Depreciation [Value, %]	h = f-g	678.49	52.44	730.93
	i = h/c	83%	34%	76%
Balance Depreciable Value	J=e-h	53.49	85.37	138.86
Balance Useful life at the beginning of the year	k=25-Age	4.32	4.32	4.32
Annual Depreciation on total GFA [Since, cum dep > 70%, to be spread in balance useful life respectively]	l=j/k	12.37	19.74	32.11
Closing Cumulative Depreciation [Value]	m=h-l	690.85	72.18	763.04

21. Table44: Summary of Depreciation (In Rs. Crore) for FY 2022-23 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	4.93	8.09	7.57
Depreciation on Additional Capitalizations	10.73		
Total Depreciation during the year	15.66	8.09	7.57

22. Table45: Summary of Depreciation (In Rs. Crore) for FY 2022-23 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	6.75	8.85	6.39
Depreciation on Additional Capitalizations	8.49		
Total Depreciation during the year	15.24	8.85	6.39

23. Table46: Summary of Depreciation (In Rs. Crore) for FY 2022-23 - Unit # 2&3

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	12.37	16.94	15.17
Depreciation on Additional Capitalizations	19.74		
Total Depreciation during the year	32.11	16.94	15.17

24. Table49: Revised Normative Expenses (In Rs. Crore) for FY 2022-23 - Unit # 2&3

Particulars	Unit 2		Unit 3	
	Approved in the MYT Order	Revised	Approved in the MYT Order	Revised
	FY 23	FY 23	FY 23	FY 23
R&M Expenses	17.09	20.21	18.13	18.85
A&G Expenses	6.58	6.84	6.17	6.41
Legal Expenses	0.01	0.01	0.01	0.01
HO Expenses	13.16	13.68	13.12	13.64

25. Table51: Summary of O & M expenses for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	9.86	8.70	1.16
Repairs & Maintenance Expenses	20.21	17.09	3.12
Other Admin & General Expenses	6.84	6.58	0.26
Head Office Expenses	13.68	13.16	0.52
Legal Expenses	0.01	0.01	0.00
Raw Water Expenses	4.15	5.38	(1.23)
Capital Spares	0.37	0.00	0.37
Ash Disposal Expenses	2.70	4.56	(1.86)
Terminal Liabilities	0.40	0.92	(0.52)
Application fees and Publication Expenses	0.202	0.13	0.07
O&M Expenses	58.43	56.53	1.90

26. Table52: Summary of O & M expenses for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	9.86	8.70	1.16
Repairs & Maintenance Expenses	18.85	15.94	2.91
Other Admin & General Expenses	6.41	6.17	0.24
Head Office Expenses	13.64	13.12	0.52
Legal Expenses	0.01	0.01	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	4.28	5.35	(1.07)
Ash Disposal Expenses	2.80	4.43	(1.63)
Terminal Liabilities	0.40	0.92	(0.52)
Application fees and Publication Expenses	0.202	0.13	0.07
O&M Expenses	56.45	54.77	1.68

27. Table53: Summary of O & M expenses for FY 2022-23 - Unit # 2&3(Combined) (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	19.71	17.40	2.31
Repairs & Maintenance Expenses	39.06	33.03	6.03
Other Admin & General Expenses	13.25	12.75	0.50
Head Office Expenses	27.32	26.28	1.04
Legal Expenses	0.02	0.02	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	8.43	10.73	(2.30)
Capital Spares	0.37	0.00	0.37
Ash Disposal Expenses	5.50	8.99	(3.49)
Terminal Liabilities	0.80	1.84	(1.04)
Application fees and Publication Expenses	0.404	0.26	0.14
O&M Expenses	114.87	111.30	3.57

28. Table54: Interest on Working Capital for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Computation of Cost Elements at Normative Availability			
No. of days in FY	365	365	0.00
Gross Generation at Normative Availability & Aux Power (i) (MUs)	893.52	893.52	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	813.10	813.10	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.134	2.724	0.41
Coal Cost at Normative Availability [= (i)x(ii)]	254.82	221.48	33.35
LDO Cost at Normative Availability	3.35	2.02	1.33
Annual Fixed Charges (excluding Incentive) at Normative Availability	115.90	102.24	13.66
O&M Expenses	58.43	56.53	1.90
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.69	11.31	0.38
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	34.91	30.34	4.57
Working Capital as LDO Cost for 2 months	0.56	0.34	0.22
Working Capital as Receivables for 45 days	46.12	40.16	5.96
Working Capital as O&M Expenses for 1 month	4.87	4.71	0.16
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.69	11.31	0.38
Total Working Capital	98.14	86.85	11.28
Computation of Interest on Working Capital			0.00
Bank Rate as on 01.04.2022+3.5%	10.50%	10.50%	0.00
Interest on Working Capital	10.30	9.12	1.18

29. Table55: Interest on Working Capital for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Computation of Cost Elements at Normative Availability			
No. of days in FY	365	365	0.00
Gross Generation at Normative Availability & Aux Power (i) (MUs)	893.52	893.52	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	813.10	813.10	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.116	2.796	0.32
Coal Cost at Normative Availability [= (i)x(ii)]	253.39	227.35	26.04
LDO Cost at Normative Availability	3.23	2.02	1.21
Annual Fixed Charges (excluding Incentive) at Normative Availability	112.50	102.24	10.25
O&M Expenses	56.45	54.77	1.68
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.29	10.95	0.34
Elements of Working Capital			
Working Capital as Coal Cost for 50 days	34.71	31.14	3.57
Working Capital as LDO Cost for 2 months	0.54	0.34	0.20
Working Capital as Receivables for 45 days	45.51	40.88	4.62
Working Capital as O&M Expenses for 1 month	4.70	4.56	0.14
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.29	10.95	0.34
Total Working Capital	96.75	87.88	8.87
Computation of Interest on Working Capital			
Bank Rate as on 31.03.2021 +(3.5%)	10.50%	10.50%	0.00
Interest on Working Capital	10.16	9.23	0.93

30. Table56: Interest on Working Capital for FY 2022-23 - Unit # 2&3(Combined)
(Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Computation of Cost Elements at Normative Availability			
No. of days in FY	365	365	0
Gross Generation at Normative Availability & Aux Power (i) (MUs)	1787.04	1787.04	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	1626.21	1626.21	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.125	2.760	0.37
Coal Cost at Normative Availability [= (i)x(ii)]	508.19	448.83	59.36
LDO Cost at Normative Availability	6.53	4.04	2.49
Annual Fixed Charges (excluding Incentive) at Normative Availability	229.59	104.29	125.31
O&M Expenses	114.87	56.53	58.34
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	22.97	11.31	11.67
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	69.61	61.48	8.13
Working Capital as LDO Cost for 2 months	1.09	0.67	0.42
Working Capital as Receivables for 45 days	91.76	68.69	23.07
Working Capital as O&M Expenses for 1 month	9.57	4.71	4.86
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	22.97	11.31	11.67
Total Working Capital	195.01	146.86	48.15
Computation of Interest on Working Capital			
Bank Rate as on 31.03.2021 +(3.5%)	10.50%	10.50%	0.00
Interest on Working Capital	20.48	15.42	5.06

31. Table60: Operational Gain for FY 2022-23 as per GTR 2020 - Unit # 2&3 (Rs. Crore)

Operational Gains for FY 2021-22 as per GTR 2020					
Particulars	UoM		Unit 2		Unit 3
		Normative	Actual	Normative	Actual
Heat Rate	kCal/kWh	2567.00	2535.92	2577.00	2533.35
Auxiliary Power	%	10.00%	8.50%	10.00%	8.61%
Sp. LDO Consumption	ml/Kwh	0.50	0.09	0.50	0.21
Equivalent GCV of Coal (CVPF) less 85 kCal/kg	Kcal/Kg	3734.69	3734.69	3711.75	3711.75
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4110.70	4110.70	4046.44	4046.44
Equivalent GCV of LDO (CVPF)	kCal/L	8846	8846	8648	8648
Equivalent Landed Price of LDO (LPPF)	Rs/KL	74077	74077	71491	71491
Energy Charge Rate (ECR)	Rs/kWh	3.175	3.057	3.156	3.036
ECR _N - ECR _A			0.118		0.120
Ex-Bus Generation	MU		806.29		829.04
Gain/(Loss) on Operational Parameters	Rs. Crore		9.51		9.95
Gain to be retained by Petitioner (75%)	Rs. Crore		7.13		7.46
Gain to be shared with beneficiaries by Petitioner (25%)	Rs. Crore		2.38		2.49

32. Table61: Operational Gain for FY 2022-23 as per GTR 2020 - Unit # 2&3 (Combined) (Rs. Crore)

Particulars	UoM	Unit-2&3 Combined	
		Normative	Actual
Heat Rate	kCal/kWh	2572.00	2534.61
Auxiliary Power	%	10.00%	8.56%
Sp. LDO Consumption	ml/Kwh	0.50	0.15
Equivalent GCV of Coal (CVPF) less 85 kCal/kg	Kcal/Kg	3723.03	3723.03
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4078.03	4078.03
Equivalent GCV of LDO (CVPF)	kCal/L	8707.96	8707.96
Equivalent Landed Price of LDO (LPPF)	Rs/KL	72274.96	72274.96
Energy Charge Rate (ECR)	Rs/kWh	3.165	3.046
ECR _N - ECR _A			0.119
Ex-Bus Generation	MU		1635.34
Gain/(Loss) on Operational Parameters	Rs. Crore		19.41
Gain to be retained by Petitioner (75%)	Rs. Crore		14.56
Gain to be shared with beneficiaries by Petitioner (25%)	Rs. Crore		4.85

33. Table62: Gain in O&M Expenses for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	Formula	Performance Target Approved	Actual Expenses incurred	Savings
A	B	C	D	E=C-D
O&M Allowed on Normative basis				
Employee Cost exc TL	A	9.86	8.87	0.99
R&M Expenses	B	20.21	11.91	8.30
HO & SS Expenses	C	13.68	9.55	4.13
Other A&G Expenses	D	6.84	8.74	-1.90
Legal Expenses	E	0.01	0.00	0.01
Sub-total 1	f=a+b+c+d+e	50.60	39.07	11.53

34. Table63: Gain in O&M Expenses for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	Formula	Performance Target Approved	Actual Expenses incurred	Savings
A	B	C	D	E=C-D
O&M Allowed on Normative basis				
Employee Cost exc TL	A	9.86	8.87	0.99
R&M Expenses*	B	18.85	18.85	0.00
HO & SS Expenses	C	13.64	10.35	3.29
Other A&G Expenses	D	6.41	8.97	-2.56
Legal Expenses	E	0.01	0.00	0.01
Sub-total 1	f=a+b+c+d+e	48.77	47.04	1.73

35. Table64: Savings in O&M Expenses Unit 2+Unit 3 (Combined) for FY 2022-23

Particulars	Formula	Performance Target Approved	Actual Expenses incurred	Savings
		Unit 2+Unit 3		
A	B	C	D	E=C-D
O&M Allowed on Normative basis				
Employee Cost excl TL	A	19.71	17.74	1.97
R&M Expenses	B	39.06	30.76	8.30
HO & SS Expenses	C	27.32	19.90	7.42
Other A&G Expenses	D	13.25	17.71	-4.46
Legal Expenses	E	0.02	0.000	0.02
Sub-total	f=a+b+c+d+e	99.36	86.11	13.26
Gain to be Shared with Beneficiaries of Unit 2 and 3	g=50% of f	49.68	43.05	6.63

36. Table68: Annual Fixed Charges for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	15.66	8.09	7.57
Interest on Loan	1.98	2.35	(0.38)
O&M Expenses	58.43	56.53	1.90
Return on Equity (Pre-Tax)	29.53	28.20	1.34
Interest on Working Capital	10.30	9.12	1.18
Total Annual Fixed Charges (excluding Incentive)	115.90	104.29	11.61
Incentive (Pre-Tax)	0.14	0.00	0.14
Total Annual Fixed Charges	116.04	104.29	11.76

37. Table69: Annual Fixed Charges for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Proposed in MYT Petition	Difference
Depreciation	15.24	8.85	6.39
Interest on Loan	2.07	1.92	0.15
O&M Expenses	56.45	54.77	1.68
Return on Equity (Pre-Tax)	28.58	27.48	1.11
Interest on Working Capital	10.16	9.23	0.93
Total Annual Fixed Charges (excluding Incentive)	112.50	102.24	10.25
Incentive (Pre-Tax)	1.66	0.00	1.66
Total Annual Fixed Charges	114.16	102.24	11.91

38. Table70: Annual Fixed Charges for FY 2022-23 - Unit # 2&3(Combined) (Rs. Crore)

Particulars	Proposed	Proposed in MYT Petition	Difference
Depreciation	32.11	16.94	15.17
Interest on Loan	4.02	4.27	(0.25)
O&M Expenses	114.87	111.30	3.57
Return on Equity (Pre-Tax)	58.12	55.67	2.44
Interest on Working Capital	20.48	18.35	2.13
Total Annual Fixed Charges (excluding Incentive)	229.59	206.53	23.06
Incentive (Pre-Tax)	1.80	0.00	1.80
Total Annual Fixed Charges	231.40	206.53	24.87

39. Table71: Annual Revenue Requirement FY 2022-23 for Unit # 2

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Depreciation	Rs Crore	15.66	8.09	7.57
Interest on Loan	Rs Crore	1.98	2.35	(0.38)
O&M Expenses	Rs Crore	58.43	56.53	1.90
Return on Equity (Pre-Tax)	Rs Crore	29.53	28.20	1.34
Interest on Working Capital	Rs Crore	10.30	9.12	1.18
Total Annual Fixed Charges	Rs Crore	115.90	104.29	11.61
Incentive (Pre-tax)	Rs Crore	0.14	0.00	0.14
Annual Fixed Charges (including Incentive)	Rs Crore	116.04	104.29	11.76
Energy Charge Rate	Rs/Kwh	3.175	2.749	0.43
Energy Charges	Rs Crore	256.01	223.50	32.51
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.32	3.57	(0.25)
Less: Gain on Operational Parameters[25%]	Rs Crore	2.38	-	2.38
Less: Gain on O&M Expenses[50%]	Rs Crore	3.31	-	3.31
Less: Non-Tariff Income	Rs Crore	1.86	-	1.86
Total Annual Revenue Requirement	Rs Crore	361.17	324.21	36.96

40. Table72: Annual Revenue Requirement FY 2022-23 for Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Depreciation	Rs Crore	15.24	8.85	6.39
Interest on Loan	Rs Crore	2.07	1.92	0.15
O&M Expenses	Rs Crore	56.45	54.77	1.68
Return on Equity (Pre-Tax)	Rs Crore	28.58	27.48	1.11
Interest on Working Capital	Rs Crore	10.16	9.23	0.93
Total Annual Fixed Charges	Rs Crore	112.50	102.24	10.25
Incentive (Pre-tax)	Rs Crore	1.66	0.00	1.66
Annual Fixed Charges (including Incentive)	Rs Crore	114.16	102.24	11.91
Energy Charge Rate	Rs/Kwh	3.156	2.821	0.34
Energy Charges	Rs Crore	261.65	229.36	32.28
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.30	3.60	(0.29)
Less: Gain on Operational Parameters[25%]	Rs Crore	2.49	-	2.49
Less: Gain on O&M Expenses[50%]	Rs Crore	3.31	-	3.31
Less: Non-Tariff Income	Rs Crore	1.91	-	1.91
Total Annual Revenue Requirement	Rs Crore	364.79	328.01	36.78

41. Table73: Annual Revenue Requirement FY 2022-23 for Unit # 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Depreciation	Rs Crore	32.11	16.94	15.17
Interest on Loan	Rs Crore	4.02	4.27	(0.25)
O&M Expenses	Rs Crore	114.87	111.30	3.57
Return on Equity (Pre-Tax)	Rs Crore	58.12	55.67	2.44
Interest on Working Capital	Rs Crore	20.48	18.35	2.13
Total Annual Fixed Charges	Rs Crore	229.59	206.53	23.06
Incentive (Pre-tax)	Rs Crore	1.80	0.00	1.80
Annual Fixed Charges (including Incentive)	Rs Crore	231.40	206.53	24.87
Energy Charge Rate	Rs/Kwh	3.165	2.785	0.38
Energy Charges	Rs Crore	517.61	452.86	64.74
Less: Discount as per [SHAKTI 2&3]	Rs Crore	6.62	7.17	(0.55)
Less: Gain on Operational Parameters[25%]	Rs Crore	4.85	0.00	4.85
Less: Gain on O&M Expenses[50%]	Rs Crore	6.63	0.00	6.63
Less: Non-Tariff Income	Rs Crore	3.77	0.00	3.77
Total Annual Revenue Requirement	Rs Crore	727.13	652.22	74.90

42. Table74: Revenue Gap/(Surplus) along with Carrying Cost for FY 2022-23 for U# 2 (Rs. Crore)

Summary of Revenue Gap/(Surplus) of FY 2022-23 for Unit 2					
Particulars	UoM	Proposed	Carrying cost	Approved by Hon'ble Commission	Difference
Net Annual Revenue Requirement FY 2022-23	Rs Cr	361.17		324.21	0.00
Actual Revenue Recovered through Billing for FY 23	Rs Cr	346.76		-	0.00
Revenue Gap/(Surplus)	Rs Cr	14.42		-	0.00
Prevailing Bank Rate as on 1 st Apr'22	%		10.50%	-	0.00
Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Cr		0.76	-	0.00
Prevailing Bank Rate as on 1st April 2023	%			-	0.00
Opening gap for FY 23-24	Rs Cr	14.42			
Revenue to be recovered in Feb-24	Rs Cr	-1.65			
Revenue to be recovered in March-24	Rs Cr	-1.65			
Weighted average outstanding for 23-24	Rs Cr	14.01			
Prevailing Bank Rate as on 1st April 2023	%		12.00%		
Carrying cost for FY 23-24	Rs Cr		1.68		
Opening Gap for FY 24-25	Rs Cr	11.12			
Revenue to be recovered in Apr-24		-1.65			
Revenue to be recovered in May-24		-1.65			
Revenue to be recovered in June-24		-1.65			
Revenue to be recovered in July-24		-1.65			
Weighted average outstanding upto Sept-24		6.71			
Prevailing Bank Rate as on 1st April 2023	%		12.00%		
Carrying Cost for upto Sept-24	Rs Cr		0.40	-	0.00
Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto Sept-2024.	Rs Cr	7.35		-	(7.35)

43. Table75: Revenue Gap/(Surplus) along with Carrying Cost for FY 2022-23 for Unit # 3 (Rs. Crore)

Summary of Revenue Gap/(Surplus) of FY 2022-23 for Unit 3					
Particulars	UoM	Now Proposed		Approved by Hon'ble Commission	Difference
Net Annual Revenue Requirement FY 2022-23	Rs Cr	364.79		328.01	0.00
Actual Revenue Recovered through Billing for FY 23	Rs Cr	350.32			0.00
Revenue Gap/(Surplus)	Rs Cr	14.47			0.00
Prevailing Bank Rate as on 1st April of 2022	%		10.50%		
Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Cr		1.52	-	0.00
Prevailing Bank Rate as on 1st April 2023	%			-	0.00
Opening gap for FY 23-24	Rs Cr	14.47			
Revenue to be recovered in Feb-24	Rs Cr	-1.85			
Revenue to be recovered in March-24	Rs Cr	-1.85			
Weighted average outstanding for 23-24	Rs Cr	14.01			
Prevailing Bank Rate as on 1st April 2023	%		12.00%		
Carrying cost for FY 23-24	Rs Cr		1.68		
Opening Gap for FY 24-25	Rs Cr	10.78			
Revenue to be recovered in Apr-24		-1.85			
Revenue to be recovered in May-24		-1.85			
Revenue to be recovered in June-24		-1.85			
Revenue to be recovered in July-24		-1.85			
Weighted average outstanding upto Sept-24		5.85			
Prevailing Bank Rate as on 1st April 2023	%		12.00%		
Carrying Cost for upto Sept-24	Rs Cr		0.35	-	0.00
Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto Sept-2024.	Rs Cr	6.94		-	(6.94)

44. Table76: Revenue Gap/(Surplus) along with Carrying Cost for FY 2022-23 for Unit #2& 3(Combined) (Rs. Crore)

Summary of Revenue Gap/(Surplus) of FY 2022-23 for Unit 2&3					
Particulars	UoM	Now Proposed		Approved by Hon'ble Commission	Difference
Net Annual Revenue Requirement FY 2022-23	Rs Cr	727.13		0.00	0.00
Actual Revenue Recovered through Billing for FY 23	Rs Cr	697.08			0.00
Revenue Gap/(Surplus)	Rs Cr	30.05			0.00
Prevailing Bank Rate as on 1st April of 2022	%		10.50%		
Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Cr		1.58	-	0.00
Prevailing Bank Rate as on 1st April 2023	%			-	0.00
Opening gap for FY 23-24	Rs Cr	30.05			
Revenue to be recovered in Feb-24	Rs Cr	-3.50			
Revenue to be recovered in March-24	Rs Cr	-3.50			
Weighted average outstanding for 23-24	Rs Cr	29.18			
Prevailing Bank Rate as on 1st April 2023	%		12.00%		
Carrying cost for FY 23-24	Rs Cr		3.50		
Opening Gap for FY 24-25	Rs Cr	23.05			
Revenue to be recovered in Apr-24		-3.50			
Revenue to be recovered in May-24		-3.50			
Revenue to be recovered in June-24		-3.50			
Revenue to be recovered in July-24		-3.50			
Weighted average outstanding upto Sept-24		13.72			
Prevailing Bank Rate as on 1st April 2023	%		12.00%		
Carrying Cost for upto Sept-24	Rs Cr		0.82	-	0.00
Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto March-2024.	Rs Cr	14.96			

ANNUAL PERFORMANCE REVIEW FOR FY 2023-24**Table80: Projected Coal Parameters for FY 2023-24- Unit # 2**

GCV of LDO proposed for FY 2023-24 in respect of Unit-2 may be considered as revised to **8843 kCal/Kg** from earlier submitted 10695 kCal/Kg.

Table81: Projected Coal Parameters for FY 2023-24- Unit # 3

GCV of LDO proposed for FY 2023-24 in respect of Unit-3 may be considered as revised to **8850 kCal/Kg** from earlier submitted 10356.26 kCal/Kg.

Table82: Projected Coal Parameters for FY 2023-24- Unit # 2&3 combined

GCV of LDO proposed for FY 2023-24 in respect of Unit-2&3 combined may be considered as revised to **8846 kCal/Kg** from earlier submitted 10349 kCal/Kg.

45. Table83: Projected Energy Charges for FY 2023-24 - Unit # 2

Proposed Energy Charges for FY 2022-23 - Unit 2				
Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	9.04%	9.00%	0.04%
Normative Aux Power Consumption	%	10.00%	9.00%	
Normative Gross Heat Rate (GHR)	Kcal/Kwh	2567	2525	42.00
Normative Specific LDO Consumption (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	8843	9100	(256.59)
LDO Landed Price	Rs/KL	77855	45198	32657
Middling Coal				
Middling Coal in mix	%	7.43%	21.25%	(13.82%)
Middling Coal GCV	Kcal/Kg	3871	3861	9.76
Middling Coal Landed Price	Rs/Ton	5226	4223	1002.96
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	42.16%	43.64%	(1.47%)
CCL Shakti R3 GCV	Kcal/Kg	3702	3838	(135.51)
CCL Shakti R3 Landed Price	Rs/Ton	3230	3654	(423.21)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	11.23%	0.00%	11.23%
CCL Shakti WIV GCV	Kcal/Kg	3997	0	3997.13
CCL Shakti WIV Landed Price	Rs/Ton	4828	0	4827.95
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	10.80%	14.59%	(3.79%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3682	3838	(155.12)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3716	3654	62.80
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	16.66%	14.05%	2.61%
MCL [Shakti 2] GCV	Kcal/Kg	2896	3130	(233.84)

MCL [Shakti 2] Landed Price	Rs/Ton	2793	2507	286.14
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	6.64%	6.47%	0.18%
ECL [Shakti 2] GCV	Kcal/Kg	4741	5109	(368.23)
ECL [Shakti 2] Landed Price	Rs/Ton	5604	5328	275.70
CCL SFA				
CCL SFA Coal in Mix	%	0.70%	0	0.70%
CCL SFA GCV	Kcal/Kg	3475	0	3475.02
CCL SFA Landed Price	Rs/Ton	4268	0	4268.32
WB Reject				
WB Reject Coal in Mix	%	0.25%	0.00%	0.25%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing				
WB Tailing Coal in Mix	%	4.12%	0.00%	4.12%
WB Tailing GCV	Kcal/Kg	4200	0	4200.10
WB Tailing coal Landed Price	Rs/Ton	7403	0	7402.97
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3694.79	3825.24	(215.45)
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	Kcal/Kg	3609.79		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3877.83	3721.69	156.14
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.059	2.695	0.36
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.043	0.025	0.02
Energy Charge Rate (ECR)	Rs/Kwh	3.102	2.720	0.38
Ex-Bus Generation	Mus	808.36	815.33	(6.97)
Energy Charges	Rs Crore	250.75	221.74	29.02

46. Table84: Projected Energy Charges for FY 2023-24 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	9.13%	9.00%	0.13%
Normative Aux Power Consumption		10.00%	9.00%	
Gross Heat Rate (GHR)	Kcal/Kwh	2577	2525	52.00
Normative Specific LDO Consumption (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	8850	9100	(250.42)
LDO Landed Price	Rs/KL	77980	45196	32784
Middling Coal				
Middling Coal in mix	%	10.10%	21.24%	(11.15%)
Middling Coal GCV	Kcal/Kg	3926	3860	66.46
Middling Coal Landed Price	Rs/Ton	5495	4223	1271.53
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	43.11%	43.64%	(0.53%)
CCL Shakti R3 GCV	Kcal/Kg	3682	3856	(174.46)
CCL Shakti R3 Landed Price	Rs/Ton	3248	3820	(571.78)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	7.47%	0.00%	7.47%
CCL Shakti WIV GCV	Kcal/Kg	4032	0	4031.85
CCL Shakti WIV Landed Price	Rs/Ton	4820	0	4819.87
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	12.53%	14.60%	(2.07%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3695	3856	(160.79)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3648	3820	(172.17)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	15.55%	14.05%	1.49%
MCL [Shakti 2] GCV	Kcal/Kg	2902	3107	(204.97)
MCL [Shakti 2] Landed Price	Rs/Ton	2789	2519	270.24
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	6.82%	6.47%	0.36%
ECL [Shakti 2] GCV	Kcal/Kg	4662	5001	(339.06)
ECL [Shakti 2] Landed Price	Rs/Ton	5549	5348	201.74

CCL SFA				
CCL [SFA] Coal in Mix	%	0.75%	0.00%	0.75%
CCL [SFA] GCV	Kcal/Kg	3675	0	3675.04
CCL [SFA] Landed Price	Rs/Ton	4842	0	4842.05
WB Reject				
WB Reject Coal in Mix	%	0.20%	0.00%	0.20%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing				
WB Tailing Coal in Mix	%	3.48%	0.00%	3.48%
WB Tailing GCV	Kcal/Kg	4203	0	4202.71
WB Tailing coal Landed Price	Rs/Ton	7384	0	7384.00
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3694.58	3825.77	(216.19)
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	Kcal/Kg	3609.58		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3886.35	3821.57	64.78
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.078	2.767	0.31
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.043	0.025	0.02
Energy Charge Rate (ECR)	Rs/Kwh	3.121	2.792	0.33
Ex-Bus Generation	MUs	780.89	815.33	(34.45)
Energy Charges	Rs Crore	243.71	227.60	16.11

47. Table85: Projected Energy Charges for FY 2023-24 - Unit # 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	9.08%	9.00%	0.08%
Normative Aux Power Consumption	%	10.00%	9.00%	
Normative Gross Heat Rate (GHR)	Kcal/Kwh	2572	2525	47.00
Gross Heat Rate with PLF degredation compensation	Kcal/Kwh	2572		
Normative Specific LDO Consumption (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	8846	9100	(254.03)
LDO Landed Price	Rs/KL	77980	45197	32783
Middling Coal				
Middling Coal in mix	%	8.74%	21.25%	(12.51%)
Middling Coal GCV	Kcal/Kg	3902	3860	41.91
Middling Coal Landed Price	Rs/Ton	5378	4223	1155.58
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	42.63%	43.64%	(1.01%)
CCL Shakti R3 GCV	Kcal/Kg	3692	3847	(154.93)
CCL Shakti R3 Landed Price	Rs/Ton	3239	3737	(497.54)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	9.38%	0.00%	9.38%
CCL Shakti WIV GCV	Kcal/Kg	4011	0	4010.73
CCL Shakti WIV Landed Price	Rs/Ton	4825	0	4824.78
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	11.65%	14.59%	(2.94%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3689	3847	(157.58)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3680	3737	(56.68)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	16.11%	14.05%	2.06%
MCL [Shakti 2] GCV	Kcal/Kg	2899	3118	(219.57)
MCL [Shakti 2] Landed Price	Rs/Ton	2791	2513	278.29
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	6.73%	6.47%	0.27%

ECL [Shakti 2] GCV	Kcal/Kg	4701	5055	(353.53)
ECL [Shakti 2] Landed Price	Rs/Ton	5577	5338	238.80
CCL SFA				
CCL SFA Coal in Mix	%	0.72%	0	0.72%
CCL SFA GCV	Kcal/Kg	3576	0	3576.38
CCL SFA Landed Price	Rs/Ton	4559	0	4559.05
WB Reject				
WB Reject Coal in Mix	%	0.22%	0.00%	0.22%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing				
WB Tailing Coal in Mix	%	3.80%	0.00%	3.80%
WB Tailing GCV	Kcal/Kg	4201	0	4201.28
WB Tailing coal Landed Price	Rs/Ton	7394	0	7394.44
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3694.68	3825.50	(215.82)
Eq. GCV of Coal less Storage Loss (Actual-85kCal/Kg)	Kcal/Kg	3609.68		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3882.03	3771.63	110.40
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.068	2.731	0.34
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.043	0.025	0.02
Energy Charge Rate (ECR)	Rs/Kwh	3.111	2.756	0.36
Ex-Bus Generation	MUs	1589.25	1630.66	(41.42)
Energy Charges	Rs Crore	494.48	449.34	45.15

48. Table96: Gross Fixed Asset (In Rs. Crore) of Unit # 2 - FY 2023-24

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2023-24	491.27	504.76
Addition during FY 2023-24	8.19	0.08
Deletion During FY 2023-24 in Org Project Cost	-1.72	-0.03
Deletion During FY 2023-24 in Add Cap	0.00	
Closing GFA at the end of FY 2023-24	497.74	504.80

49. Table97: Gross Fixed Asset (In Rs. Crore) of Unit # 3 - FY 2023-24

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2023-24	475.67	490.47
Addition during FY 2023-24	8.19	0.11
Deletion During FY 2023-24 in Org Project Cost	-1.724	-0.03
Deletion During FY 2023-24 in Add Cap	0.00	
Closing GFA at the end of FY 2023-24	482.14	490.55

50. Table98: Gross Fixed Asset (In Rs. Crore) of Unit # 2&3(Combined) - FY 2023-24

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2023-24	966.95	995.23
Addition during FY 2023-24	16.4	0.18
Deletion During FY 2023-24 in Org Project Cost	-3.45	-0.07
Deletion During FY 2023-24 in Add Cap	0.00	
Closing GFA at the end of FY 2023-24	979.88	995.35

51. Table102:Return on Equity (Pre-tax) (In Rs. Crore) for FY 2023-24 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	147.38	151.43	(4.05)
Addition	1.94	0.01	1.93
Closing Equity	149.32	151.44	(2.12)
Avg Equity	148.35	151.43	(3.08)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	29.74	28.33	1.41

52. Table103:Return on Equity (Pre-tax) (In Rs. Crore) for FY 2023-24 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	142.70	147.14	(4.44)
Addition	1.94	0.02	1.92
Closing Equity	144.64	147.16	(2.52)
Avg Equity	143.67	147.15	(3.48)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	28.80	27.53	1.27

53. Table104:Return on Equity (Pre-tax) (In Rs. Crore) for FY 2023-24 - Unit #2& 3(Combined)

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	290.08	298.57	(8.49)
Addition	3.88	0.04	3.85
Closing Equity	293.96	298.60	(4.64)
Avg Equity	292.02	298.59	(6.57)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	58.54	55.86	2.67

54. Table105: Interest on Loan (In Rs. Crore) for FY 2023-24 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	16.77	24.45	(7.68)
Additional Capitalization during the year	8.19	0.08	8.12
Additional Loan due to addition during the year (70% of Add Cap)	5.73	0.05	5.68
Deletion during the year excluding deletion pertaining to Original Project Cost	0.00	0.00	0.00
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	12.04	8.53	3.51
Closing Debt	10.47	15.97	(5.50)
Average Loan Balance	13.62	20.21	(6.59)
Computation of IoL			
Rate of Interest	10.50%	9.00%	
Interest on Loan	1.43	1.82	(0.39)

55. Table106: Interest on Loan (In Rs. Crore) for FY 2023-24 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	19.00	17.75	1.25
Additional Capitalization during the year	8.19	0.11	8.08
Additional Loan due to addition during the year (70% of Add Cap)	5.73	0.08	5.66
Deletion during the year excluding deletion pertaining to Original Project Cost	0.00	0.00	0.00
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	9.49	9.01	0.48
Closing Debt	15.25	8.82	6.43
Average Loan Balance	17.12	13.28	3.84
Computation of IoL			
Rate of Interest	10.50%	9.00%	
Interest on Loan	1.80	1.20	0.60

56. Table107:Interest on Loan (In Rs. Crore) for FY 2023-24 - Unit # 2&3(Combined)

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	35.77	52.74	(16.97)
Additional Capitalization during the year	16.38	0.18	16.20
Additional Loan due to addition during the year (70% of Add Cap)	11.47	0.13	11.34
Deletion during the year excluding deletion pertaining to Original Project Cost	0.00	0.00	0.00
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	22.12	8.53	13.59
Closing Debt	25.12	44.34	(19.22)
Average Loan Balance	30.45	48.54	(18.09)
Computation of IoL			
Rate of Interest	10.50%	9.00%	
Interest on Loan	3.20	4.37	(1.17)

57. Table108:Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2

Particulars	Formulae	Original Project Cost	Add Cap	Total
		FY 24	FY 24	FY 24
Opening GFA	A	411.77	79.50	491.28
Addition (as proposed)	b1	0.00	8.19	8.19
Deletion (as proposed)	b2	1.72	0.00	1.72
Closing GFA	$c = a+b1-b2$	410.05	87.70	497.74
Avg GFA	$d = (a+c)/2$	410.91	83.60	494.51
Depreciable Value (@90% of Closing GFA)	$e = dx90\%$	369.82	75.24	445.06
Cumulative depreciation recovered till beginning of the year	F	355.85	39.14	394.98
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.10	0.01	0.11
Opening Cumulative Depreciation [Value, %]	$h = f-g$	355.75	39.13	394.87
	$i = h/c$	87%	47%	80%
Balance Depreciable Value	$J=e-h$	14.07	36.12	50.18
Balance Useful life at the beginning of the year	$k=25-Age$	3.00	3.00	3.00
Annual Depreciation (spread in balance useful life)	$l=j/k$	4.69	12.04	16.73
Closing Cumulative Depreciation [Value]	$m=h-l$	360.44	51.16	411.60

58. Table109:Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 3

Particulars	Formulae	Original Project Cost	Add Cap	Total
		FY 24	FY 24	FY 24
Opening GFA	A	401.48	74.20	475.68
Addition (as proposed)	b1	0.00	8.19	8.19
Deletion (as proposed)	b2	1.72	0.00	1.72
Closing GFA	$c = a+b1-b2$	399.76	82.40	482.15
Avg GFA	$d = (a+c)/2$	400.62	78.30	478.92
Depreciable Value (@90% of Closing GFA)	$e = dx90\%$	360.56	70.47	431.02
Cumulative depreciation recovered till beginning of the year	F	334.33	32.53	366.85
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.00	0.01	0.01
Opening Cumulative Depreciation [Value, %]	$h = f-g$	334.33	32.52	366.85
	$i = h/c$	83%	42%	77%
Balance Depreciable Value	$j=e-h$	26.23	37.95	64.18
Balance Useful life at the beginning of the year	$k=25-Age$	4	4	4
Annual Depreciation (spread in balance useful life)	$l=j/k$	6.56	9.49	16.04
Closing Cumulative Depreciation [Value]	$m=h-l$	340.89	42.01	382.89

59. Table110:Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2&3(Combined)

Particulars	Formulae	Original Project Cost	Add Cap	Total
		FY 24	FY 24	FY 24
Opening GFA	A	813.25	153.71	966.96
Addition (as proposed)	b1	0.00	16.38	16.38
Deletion (as proposed)	b2	3.45	0.00	3.45
Closing GFA	$c = a+b1-b2$	809.80	170.09	979.89
Avg GFA	$d = (a+c)/2$	811.53	161.90	973.43
Depreciable Value (@90% of Closing GFA)	$e = dx90%$	730.37	145.71	876.08
Cumulative depreciation recovered till beginning of the year	F	690.85	72.18	763.04
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.09	0.02	0.12
Opening Cumulative Depreciation [Value, %]	$h = f-g$	690.76	72.16	762.92
	$i = h/c$	85%	45%	78%
Balance Depreciable Value	$J=e-h$	39.61	73.55	113.16
Balance Useful life at the beginning of the year	$k=25-Age$	3.32	3.32	3.32
Annual Depreciation (spread in balance useful life)	$l=j/k$	11.91	22.12	34.04
Closing Cumulative Depreciation [Value]	$m=h-l$	702.68	94.28	796.96

60. Table111:Summary of Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	4.69	8.53	8.20
Depreciation on Additional Capitalizations	12.04		
Total Depreciation during the year	16.73	8.53	8.20

61. Table112:Summary of Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	6.56	9.01	7.03
Depreciation on Additional Capitalizations	9.49		
Total Depreciation during the year	16.04	9.01	7.03

62. Table113:Summary of Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2&3(Combined)

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	11.91	17.54	16.50
Depreciation on Additional Capitalizations	22.12		
Total Depreciation during the year	34.04	17.54	16.50

63. Table115:Revised Normative Expenses (In Rs. Crore) for FY 2023-24 - Unit # 2&3

Particulars	Unit 2		Unit 3	
	Approved in the MYT Order	Revised	Approved in the MYT Order	Revised
	FY 24	FY 24	FY 24	FY 24
R&M Expenses	17.86	21.11	16.55	19.57
A&G Expenses	6.81	7.08	6.39	6.64
Legal Expenses	0.01	0.01	0.01	0.01
HO Expenses	13.62	14.16	13.58	14.12

64. Table117:Summary of O & M expenses for FY 2023-24 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	10.20	9.00	1.20
Repairs & Maintenance Expenses	21.11	17.86	3.25
Other Admin & General Expenses	7.08	6.81	0.27
Head Office Expenses	14.16	13.62	0.54
Legal Expenses	0.01	0.01	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	5.88	5.80	0.08
Ash Disposal Expenses	4.59	4.59	0.00
Terminal Liabilities	0.92	0.92	0.00
Application fees and Publication Expenses	0.13	0.13	0.00
O&M Expenses	64.08	58.74	5.34

65. Table118:Summary of O & M expenses for FY 2023-24 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	10.20	9.00	1.20
Repairs & Maintenance Expenses	19.57	16.55	3.02
Other Admin & General Expenses	6.64	6.39	0.25
Head Office Expenses	14.12	13.58	0.54
Legal Expenses	0.01	0.01	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	5.68	5.76	(0.08)
Ash Disposal Expenses	4.92	4.92	0.00
Terminal Liabilities	0.92	0.92	0.00
Application fees and Publication Expenses	0.13	0.13	0.00
O&M Expenses	62.18	57.26	4.92

**66. Table119:Summary of O & M expenses for FY 2023-24 - Unit # 2&3(Combined)
(Rs. Crore)**

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	20.40	18.00	2.40
Repairs & Maintenance Expenses	40.68	34.41	6.27
Other Admin & General Expenses	13.72	13.20	0.52
Head Office Expenses	28.28	27.20	1.08
Legal Expenses	0.02	0.02	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	11.56	11.56	(0.00)
Ash Disposal Expenses	9.51	9.51	0.00
Terminal Liabilities	1.84	1.84	0.00
Application fees and Publication Expenses	0.260	0.26	0.00
O&M Expenses	126.26	116.00	10.26

67. Table120:Interest on Working Capital for FY 2023-24 - Unit # 2 (Rs. Crore)

Particulars	Projected	Approved in MYT Petition	Difference
Computation of Cost Elements at Normative Availability	366	366	0.00
Gross Generation at Normative Availability & Aux Power (i) (MUs)	895.97	895.97	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	815.33	815.33	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.059	2.695	0.36
Coal Cost at Normative Availability [= (i)x(ii)]	249.39	219.71	29.68
LDO Cost at Normative Availability	3.53	2.02	1.50
Annual Fixed Charges (excluding Incentive) at Normative Availability	123.87	104.25	19.62
O&M Expenses	64.08	58.74	5.34
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.82	11.75	1.07
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	34.07	30.02	4.05
Working Capital as LDO Cost for 2 months	0.59	0.34	0.25
Working Capital as Receivables for 45 days	46.33	40.08	6.25
Working Capital as O&M Expenses for 1 month	5.34	4.90	0.44
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.82	11.75	1.07
Total Working Capital	99.14	87.08	12.06
Computation of Interest on Working Capital			0.00
Bank Rate as on 01.04.2023 +(3.5%)	12.00%	10.50%	0.02
Interest on Working Capital	11.90	9.14	2.75

68. Table121:Interest on Working Capital for FY 2023-24 - Unit # 3 (Rs. Crore)

Particulars	Projected	Approved in MYT Petition	Difference
Computation of Cost Elements at Normative Availability	366	366	0.00
Gross Generation at Normative Availability & Aux Power (i) (MUs)	895.97	895.97	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	815.33	815.33	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.078	2.767	0.31
Coal Cost at Normative Availability [= (i)x(ii)]	250.93	225.58	25.35
LDO Cost at Normative Availability	3.53	2.02	1.51
Annual Fixed Charges (excluding Incentive) at Normative Availability	120.66	104.25	16.40
O&M Expenses	62.18	57.26	4.92
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.44	11.45	0.98
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	34.28	30.82	3.46
Working Capital as LDO Cost for 2 months	0.59	0.34	0.25
Working Capital as Receivables for 45 days	46.12	40.80	5.32
Working Capital as O&M Expenses for 1 month	5.18	4.77	0.41
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.44	11.45	0.98
Total Working Capital	98.61	88.18	10.43
Computation of Interest on Working Capital			0.00
Bank Rate as on 01.04.2023 +(3.5%)	12.00%	10.50%	0.02
Interest on Working Capital	11.83	9.26	2.57

69. Table122:Interest on Working Capital for FY 2023-24 - Unit # 2&3(Combined)
(Rs. Crore)

Particulars	Projected	Approved in MYT Petition	Difference
Computation of Cost Elements at Normative Availability	366	366	0
Gross Generation at Normative Availability & Aux Power (i) (MUs)	1791.94	1791.94	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	1630.66	1630.66	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.068	2.731	0.34
Coal Cost at Normative Availability [= (i)x(ii)]	500.30	445.29	55.02
LDO Cost at Normative Availability	7.06	4.05	3.01
Annual Fixed Charges (excluding Incentive) at Normative Availability	245.78	210.85	34.93
O&M Expenses	126.26	116.00	10.26
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	25.25	23.20	2.05
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	68.35	60.83	7.52
Working Capital as LDO Cost for 2 months	1.18	0.67	0.50
Working Capital as Receivables for 45 days	92.60	81.17	11.43
Working Capital as O&M Expenses for 1 month	10.52	9.67	0.86
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	25.25	23.20	2.05
Total Working Capital	197.90	175.54	22.36
Computation of Interest on Working Capital			0.00
Bank Rate as on 01.04.2023 +(3.5%)	12.00%	10.50%	0.02
Interest on Working Capital	23.75	18.43	5.32

70. Table123: Annual Fixed Charges for FY 2023-24 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	16.73	8.53	8.20
Interest on Loan	1.43	1.82	(0.39)
O&M Expenses	64.08	58.74	5.34
Return on Equity (Pre-Tax)	29.74	28.33	1.41
Interest on Working Capital	11.90	9.14	2.75
Total Annual Fixed Charges (excluding Incentive)	123.87	106.56	17.31
Incentive (Pre-Tax)	0.00	0.00	0.00
Total Annual Fixed Charges	123.87	106.56	17.31

71. Table124: Annual Fixed Charges for FY 2023-24 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	16.04	9.01	7.03
Interest on Loan	1.80	1.20	0.60
O&M Expenses	62.18	57.26	4.92
Return on Equity (Pre-Tax)	28.80	27.53	1.27
Interest on Working Capital	11.83	9.26	2.57
Total Annual Fixed Charges (excluding Incentive)	120.66	104.25	16.40
Incentive (Pre-Tax)	0.00	0.00	0.00
Total Annual Fixed Charges	120.66	104.25	16.40

72. Table125: Annual Fixed Charges for FY 2023-24 - Unit # 2&3(Combined) (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	34.04	17.54	16.50
Interest on Loan	3.20	3.01	0.18
O&M Expenses	126.26	116.00	10.26
Return on Equity (Pre-Tax)	58.54	55.86	2.67
Interest on Working Capital	23.75	18.43	5.32
Total Annual Fixed Charges (excluding Incentive)	245.78	210.85	34.93
Incentive (Pre-Tax)	0.00	0.00	0.00
Total Annual Fixed Charges	245.78	210.82	34.96

73. Table126:Annual Revenue Requirement FY 2023-24 - Unit # 2

Particulars	UoM	Proposed	Approved in MYT Petition	Difference
Depreciation	Rs Crore	16.73	8.53	8.20
Interest on Loan	Rs Crore	1.43	1.82	(0.39)
O&M Expenses	Rs Crore	64.08	58.74	5.34
Return on Equity (Pre-Tax)	Rs Crore	29.74	28.33	1.41
Interest on Working Capital	Rs Crore	11.90	9.14	2.75
Total Annual Fixed Charges	Rs Crore	123.87	106.56	17.31
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
Annual Fixed Charges (including Incentive)	Rs Crore	123.87	106.56	17.31
Energy Charge Rate	Rs/Kwh	3.102	2.720	0.38
Energy Charges	Rs Crore	250.75	221.74	29.02
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.87	3.63	0.24
Total Annual Revenue Requirement	Rs Crore	370.76	324.67	46.08

74. Table127:Annual Revenue Requirement FY 2023-24 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Petition	Difference
Depreciation	Rs Crore	16.04	9.01	7.03
Interest on Loan	Rs Crore	1.80	1.20	0.60
O&M Expenses	Rs Crore	62.18	57.26	4.92
Return on Equity (Pre-Tax)	Rs Crore	28.80	27.53	1.27
Interest on Working Capital	Rs Crore	11.83	9.26	2.57
Total Annual Fixed Charges	Rs Crore	120.66	104.25	16.40
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
Annual Fixed Charges (including Incentive)	Rs Crore	120.66	104.25	16.40
Energy Charge Rate	Rs/Kwh	3.121	2.792	0.33
Energy Charges	Rs Crore	243.71	227.60	16.11
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.58	3.63	(0.05)
Total Annual Revenue Requirement	Rs Crore	360.78	328.22	32.56

75. Table128: Annual Revenue Requirement FY 2023-24 - Unit #2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Petition	Difference
Depreciation	Rs Crore	34.04	17.54	16.50
Interest on Loan	Rs Crore	3.20	3.01	0.18
O&M Expenses	Rs Crore	126.26	116.00	10.26
Return on Equity (Pre-Tax)	Rs Crore	58.54	55.86	2.67
Interest on Working Capital	Rs Crore	23.75	18.40	5.35
Total Annual Fixed Charges	Rs Crore	245.78	210.82	34.96
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
Annual Fixed Charges (including Incentive)	Rs Crore	245.78	210.82	34.96
Energy Charge Rate	Rs/Kwh	3.111	2.756	0.36
Energy Charges	Rs Crore	494.48	449.34	45.15
Less: Discount as per [SHAKTI 2&3]	Rs Crore	7.45	7.26	0.19
Total Annual Revenue Requirement	Rs Crore	732.81	652.90	79.91

Revised Annexure P2a of Annexure P2 the main Petition: Operational Parameters for FY 2022-23

Unit 2	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
Generation	MUs	79.94	74.09	79.49	75.64	72.05	67.85	75.35	76.42	63.55	77.25	64.18	75.42	881.23
Availability	%	99.67%	99.85%	99.66%	99.71%	99.91%	99.93%	99.91%	99.76%	99.99%	95.12%	94.68%	99.31%	98.99%
PLF	%	92.53%	82.99%	92.01%	84.72%	80.70%	78.53%	84.40%	88.45%	71.18%	86.52%	79.59%	84.48%	83.83%
Aux. Cons.	MUs	6.66	6.52	6.75	6.50	6.20	5.96	6.49	6.19	5.33	6.27	5.54	6.52	74.94
Aux. Cons.	%	8.34%	8.79%	8.49%	8.59%	8.60%	8.79%	8.62%	8.10%	8.39%	8.11%	8.64%	8.64%	8.50%
Heat Rate	Kcal/kWh	2527.64	2542.40	2527.28	2535.41	2538.46	2541.27	2535.32	2531.30	2548.51	2530.31	2540.91	2536.88	2535.92
Unit 3	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
Generation	MUs	76.58	80.87	76.19	81.12	81.07	77.39	70.11	49.53	66.65	84.38	75.48	87.77	907.14
Availability	%	99.35%	99.83%	99.88%	99.50%	99.85%	99.80%	99.96%	75.67%	98.91%	95.84%	99.86%	99.81%	97.37%
PLF	%	88.63%	90.57%	88.18%	90.86%	90.81%	89.57%	78.53%	57.33%	74.66%	94.51%	93.61%	98.31%	86.30%
Aux. Cons.	MUs	6.71	7.04	6.66	7.05	7.03	6.77	6.43	4.52	5.57	6.88	6.21	7.22	78.10
Aux. Cons.	%	8.76%	8.70%	8.74%	8.70%	8.67%	8.75%	9.18%	9.12%	8.36%	8.15%	8.23%	8.23%	8.61%
Heat Rate	Kcal/kWh	2534.14	2535.96	2531.56	2531.22	2529.27	2533.97	2541.30	2555.22	2546.25	2526.91	2526.56	2520.49	2533.35
Unit 2&3 combined	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
Generation	MUs	156.52	154.96	155.69	156.75	153.12	145.24	145.46	125.95	130.20	161.62	139.67	163.19	1788.37
Availability	%	99.51%	99.84%	99.77%	99.60%	99.88%	99.87%	99.93%	87.71%	99.45%	95.48%	97.27%	99.56%	98.16%
PLF	%	90.58%	86.78%	90.10%	87.79%	85.76%	84.05%	81.46%	72.89%	72.92%	90.52%	86.60%	91.39%	85.06%
Aux. Cons.	MUs	13.38	13.55	13.41	13.55	13.23	12.74	12.93	10.71	10.90	13.15	11.76	13.74	153.04
Aux. Cons.	%	8.55%	8.75%	8.61%	8.64%	8.64%	8.77%	8.89%	8.50%	8.37%	8.13%	8.42%	8.42%	8.56%
Heat Rate	Kcal/kWh	2530.82	2539.04	2529.37	2533.24	2533.59	2537.38	2538.20	2540.70	2547.35	2528.53	2533.16	2528.06	2534.61

Revised Annexure P2c of Annexure P2 of the main Petition: Unit-wise & Month-wise Consumption and Landed Price of LDO

Unit 2	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
LDO Consumption	KL	0.00	6.32	7.00	4.47	0.92	2.60	1.00	0.00	2.00	2.00	40.00	15.24	81.55
Generation	MU	79.94	74.09	79.49	75.64	72.05	67.85	75.35	76.42	63.55	77.25	64.18	75.42	881.23
LDO Landed Price	Rs/KL	60505.00	65875.00	65875.00	68857.00	71764.00	73186.00	74317.00	74317.00	74858.00	74858.00	76507.00	76471.00	74076.89
Calorific Value	Kcal/L	8413.18	8229.62	9055.80	8513.40	8511.10	9116.25	8403.07	8349.00	8511.10	9009.00	8884.70	9026.71	8845.92
Unit 3	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
LDO Consumption	KL	26.00	4.00	1.00	23.00	0.00	26.50	0.00	60.00	2.00	44.00	0.00	1.00	187.50
Generation	MU	76.58	80.87	76.19	81.12	81.07	77.39	70.11	49.53	66.65	84.38	75.48	87.77	907.14
LDO Landed Price	Rs/KL	60505.00	65875.00	65875.00	68857.00	71764.00	73186.00	74317.00	74317.00	74858.00	74858.00	76507.00	76471.00	71491.22
Calorific Value	Kcal/L	8413.18	8229.62	9055.80	8513.40	8511.10	9116.25	8403.07	8349.00	8511.10	9009.00	8884.70	9026.71	8647.95

Unit 2&3 combined	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
LDO Consumption	KL	26.00	10.32	8.00	27.47	0.92	29.10	1.00	60.00	4.00	46.00	40.00	16.24	269.05
Generation	MU	156.52	154.96	155.69	156.75	153.12	145.24	145.46	125.95	130.20	161.62	139.67	163.19	1788.37
LDO Landed Price	Rs/KL	60505.00	65875.00	65875.00	68857.00	71764.00	73186.00	74317.00	74317.00	74858.00	74858.00	76507.00	76471.00	72274.96
Calorific Value	Kcal/L	8413.18	8229.62	9055.80	8513.40	8511.10	9116.25	8403.07	8349.00	8511.10	9009.00	8884.70	9026.71	8707.96

Revised Annexure P2a of Annexure P22 of the main Petition: Operational Parameters for FY 2023-24

Unit 2	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
Generation	MUs	80.75	79.37	84.14	83.52	86.32	76.95	62.93	48.57	88.44	63.24	63.02	71.42	888.68
Availability	%	99.56%	99.69%	99.53%	99.66%	99.05%	98.16%	99.16%	85.00%	85.00%	85.00%	85.00%	85.00%	93.34%
PLF	%	93.46%	88.90%	97.38%	93.55%	96.68%	89.07%	70.49%	56.22%	99.06%	70.83%	75.46%	80.00%	84.54%
Aux Cons.	MUs	6.28	6.45	7.11	7.23	6.96	6.77	6.05	4.86	8.84	6.32	6.30	7.14	80.32
Aux Cons.	%	7.77%	8.13%	8.45%	8.66%	8.06%	8.80%	9.61%	10.00%	10.00%	10.00%	10.00%	10.00%	9.04%
Heat Rate	Kcal/kWh	2527.40	2534.75	2534.63	2535.64	2536.12	2551.95	2549.27	2567.00	2567.00	2567.00	2567.00	2567.00	2548.95
Unit 3	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
Generation	MUs	84.90	80.61	78.33	76.49	78.61	76.07	77.08	74.81	2.16	77.38	71.08	81.84	859.35
Availability	%	99.80%	98.66%	99.23%	99.84%	99.48%	99.88%	98.34%	85.0%	3%	85.00%	85.00%	85.00%	86.44%
PLF	%	98.26%	90.29%	90.66%	85.67%	88.05%	88.04%	86.33%	86.58%	2.42%	86.67%	85.11%	91.67%	81.75%
Aux Cons.	MUs	6.78	6.83	6.74	6.87	7.00	6.74	6.78	7.48	0.22	7.74	7.11	8.18	78.47
Aux Cons.	%	7.99%	8.47%	8.60%	8.99%	8.90%	8.86%	8.79%	10.00%	10.00%	10.00%	10.00%	10.00%	9.13%
Heat Rate	Kcal/kWh	2525.32	2534.28	2536.80	2539.55	2539.89	2541.38	2539.38	2577.00	2577.00	2577.00	2577.00	2577.00	2550.97
Annexure P2a: Operational Parameters Combined for Unit 2&3														
Unit-2&3 Combined	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
Generation	MUs	165.65	159.98	162.47	160.01	164.93	153.02	140.01	123.38	90.60	140.62	134.11	153.27	1748.03
Availability	%	99.68%	99.17%	99.38%	99.75%	99.26%	99.02%	98.75%	85.00%	44.11%	85.00%	85.00%	85.00%	89.89%
PLF	%	95.86%	89.59%	94.02%	89.61%	92.37%	88.55%	78.41%	71.40%	50.74%	78.75%	80.29%	85.84%	83.14%
Aux Cons.	MUs	13.06	13.28	13.84	14.11	13.96	13.52	12.83	12.34	9.06	14.06	13.41	15.33	158.79
Aux Cons.	%	7.89%	8.30%	8.52%	8.82%	8.46%	8.83%	9.16%	10.00%	10.00%	10.00%	10.00%	10.00%	9.08%
Heat Rate	Kcal/kWh	2526.33	2534.51	2535.67	2537.51	2537.92	2546.70	2543.83	2573.06	2567.24	2572.50	2572.30	2572.34	2549.94

Revised Annexure P2c of Annexure P22 of the main Petition: Unit-wise & Month-wise projected Consumption and Landed Price of LDO

Unit 2	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
LDO Consumption	KL	2.0	1.0	0.5	10.00	1.50	196.50	35.00	24.29	44.22	31.62	31.51	35.71	414
Generation	MU	80.75	79.37	84.14	83.52	86.32	76.95	62.93	48.57	88.44	63.24	63.02	71.42	889
LDO Landed Price	Rs/KL	76464	76330	76330	75797	75379	77307	81771	77855	77855	77855	77855	77855	77855
Calorific Value	Kcal/L	9437.47	8854.72	8914.36	9255.48	9180.00	8830.36	8749.23	8843	8843	8843	8843	8843	8843.41
Unit 3	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
LDO Consumption	KL	2.00	11.50	0.50	5.00	5.00	82.61	33.50	37.40	1.08	38.69	35.54	40.92	294
Generation	MU	84.90	80.61	78.33	76.49	78.61	76.07	77.08	74.81	2.16	77.38	71.08	81.84	859
LDO Landed Price	Rs/KL	76464	76330	76330	75797	75379	77307	81771	78156	78156	78156	78156	78156	78156
Calorific Value	Kcal/L	9437.47	8854.72	8914.36	9255.48	9180.00	8830.36	8749.23	8850	8850	8850	8850	8850	8849.58

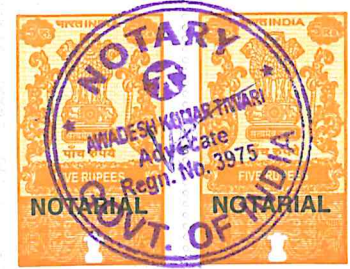
Unit-2&3 combined

Unit 2&3	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
LDO Consumption	KL	4.00	12.50	1.00	15.00	6.50	279.11	68.50	61.69	45.30	70.31	67.05	76.63	708
Generation	MU	165.65	159.98	162.47	160.01	164.93	153.02	140.01	123.38	90.60	140.62	134.11	153.27	1748
LDO Landed Price	Rs/KL	76464	76330	76330	75797	75379	77307	81771	78038	77862	78021	78015	78016	77980
Calorific Value	Kcal/L	9437.47	8854.72	8914.36	9255.48	9180.00	8830.36	8749.23	8847	8844	8847	8847	8847	8845.97

- ANNEXURE R16:** Revised tariff model for FY 2023 submitted in editable soft copy
- ANNEXURE R16a:** Revised Operational Parameters/ LDO consumption FY 2023 submitted in editable soft copy
- ANNEXURE R17:** Revised tariff model for FY 2024 submitted in editable soft copy
- ANNEXURE R17a:** Revised Operational Parameters/ LDO consumption FY 2024 submitted in editable soft copy

**BEFORE THE JHARKHAND STATE ELECTRICITY REGULATORY
COMMISSION, RANCHI**

CASE NO (T). 11 OF 2023



IN THE MATTER OF:

The Tata Power Company Limited

...Petitioner.

- Versus -

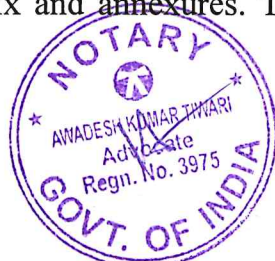
Tata Steel Limited

...Respondent

ADDITIONAL AFFIDAVIT

I, Sarika Jerath, W/o. Mr. Ramnesh Jerath, aged about 42 years, R/o. 164, Maitri Apartments, I.P. Extension, Patparganj, Delhi 110092, do hereby solemnly affirm and state as follows:

1. That I am the Lead Associate-Legal of the Tata Power Company Limited, the Petitioner in the above matter, and I am duly authorized and competent to swear and depose the present affidavit on behalf of the Petitioner.
2. That the Petition for approval of True Up of FY 2022-23 along with APR of FY 2023-24 was filed vide affidavit dated 28.11.2023 (Case (T) No. 11 of 2023) before this Hon'ble Jharkhand State Electricity Regulatory Commission (JSERC/Commission).
3. That The Hon'ble Commission has sought additional information in the aforesaid petition vide it's Order dated 17th January 2024. The petitioner herewith submits the Additional information/clarification as sought in the accompanying appendix and annexures. The Petitioner is also submitting the



revised ARR in pursuant to the Hon'ble Commission Orders dated 9.01.2024 for kind consideration.

4. That I have read the accompanying additional information/appendix being submitted on behalf of the Petitioner and have understood the contents thereof and that contents therein are true and correct to the best of my knowledge and belief and are based on the records of the Petitioner and information received from the concerned officers of the Petitioner.
5. That the facts stated above in the above affidavit are true and correct to the best of my knowledge and information derived from the official records of the Petitioner and Legal Advice received by me and believed to be true. No part of the same is false and nothing material has been concealed therefrom.

Deponent



VERIFICATION

I, Sarika Jerath the Deponent above named, do hereby verify that the contents of this affidavit are true and correct to the best of my knowledge and belief, no part of it is false and nothing material has been concealed therefrom.

Verified at Noida on this ____ day of ____ 2024.

Place: Noida

Date:

Deponent



ATTESTED
AWADESH KUMAR TIWARI
 Notary Advocate
 Reg. No. 3975
 Govt. Of India
31 JAN 2024