



सत्यमेव जयते

भारत सरकार

Government Of India

विद्युत मंत्रालय

Ministry Of Power

पूर्वी क्षेत्रीय विद्युत समिति

Eastern Regional Power Committee

No. ERPC/COMMERCIAL/CCM/2023/ 647

Date: 03.08.2023

To

As per List Attached.

Subject: Minutes of 49th Commercial Sub-committee meeting of ERPC-reg

विषय: ईआरपीसी की 49वीं वाणिज्यिक उप-समिति की बैठक के कार्यवृत्त के संबंध में

Sir,

The Minutes of 49th Commercial Sub-Committee Meeting of ERPC held on 28th July 2023 at ERPC Conference Hall, Kolkata is enclosed for your kind information and necessary action, please.

This issues with the approval of Member Secretary, ERPC.

यह सदस्य सचिव, ईआरपीसी के अनुमोदन से जारी किया जाता है।

Yours faithfully

Spradlen
03/08/2023

(S. K. Pradhan)

Deputy Director(Comm)

Distribution List-CC Members:

1. Director (Project), BSPTCL, Vidyut Bhavan, Bailey Road, Patna-800001.
2. Director (Project), SBPDCL, Vidyut Bhavan, Bailey Road, Patna-800001.
3. Director (Project), NBPDC, Vidyut Bhavan, Bailey Road, Patna-800001.
4. Chief Engineer (Commercial), BSPHCL, Vidyut Bhavan, Bailey Road, Patna-800001.
5. Executive Director (Comml.), DVC, Kolkata
6. Executive Director, JUSNL, Engineering Building, HEC, Dhurwa, Ranchi-834004.
7. Chief Engineer (C&R), JBVNL, Engineering Building, HEC, Dhurwa, Ranchi-834004.
8. Chief General Manager (PP), GRIDCO, Bhubaneswar-751022
9. Chief General Manager (R&T), OPTCL, Bhubaneswar-751023
10. Asst. General Manager (F&A), Finance Wing, OHPC, Bhubaneswar
11. Sr. General Manager (Finance), OPGC, Odisha
12. Executive Director (RT), WBSEDCL, Kolkata
13. Chief Engineer (Commercial), WBSETCL, Bidyut Bhavan, Bidhannagar, Kolkata-700091
14. Chief Engineer, SLDC, WBSETCL, Howrah
15. General Manager (Commercial & Operations), WBPDC, Kolkata
16. Chief Engineer (Trans), Deptt. Of Power, Govt. Of Sikkim, Gangtok-737201
17. Executive Director, ERLDC, Kolkata-700033
18. Director (GM), CEA, New-Delhi-110066
19. General Manager (Comml.-ER), NTPC, Corporate Centre, New Delhi (Fax : 011 24368417)
20. AGM (Comml.), ER – I HQ, NTPC Ltd., Loknayak Jaiprakash Bhawan, 2nd Floor, Dak Banglow Chowk, Fraser Road, Patna – 800001.
21. AGM (Comml.), ER – II HQ, NTPC Ltd., 3rd, 4th & 5th Floor, OLIC Building, Nayapalli, Bhubaneshwar – 751012
22. Chief Engineer (Commercial), NHPC, Faridabad
23. GM(Comml.), ER-I, Powergrid, Patna
24. GM(Comml.), ER-II, Powergrid, Kolkata
25. GM (Comml.), Powergrid, Odisha Projects, Sahid Nagar, Bhubaneswar – 751 007.
26. ED(Commercial), PTC india Limited, 2nd Floor NBCC Tower, Bikaji Cama Palace, New Delhi-110066
27. GM (BD&PS), NVVN Ltd, Scope Complex, Core-3, 7th Floor, Lodhi Road, New Delhi-110003
28. General Manager (SO), CESC Ltd., Kolkata
29. Vice-President (OPN-ER), Tata Power Co. Ltd., Jamshedpur
30. Head (Commercial), MPL, MA-5 Gogna Colony, P.O- Maithon Dam, Jharkhand-828207
31. Associate Vice President (CC), GMR Kamalanga Energy Ltd. (GKEL), Bhubaneswar 42303994
32. ED (Power Sales), JITPL, Plot-12, Local Shopping Complex, Sector B-1, Vasant Kunj, New Delhi-110070
33. President (Commercial), APNRL, Crescent Tower, 3rd Floor, Kolkata-700020,
34. ED (Commercial), Teesta Urja Limited, Barakhamba Road. New Delhi – 110001.
35. AGM, BRBCL, Nabinagar, Aurangabad BIHAR (Fax : 06332 233002)

Special Invitee

1. Head (Commercial), TPTCL, Tata Power Co Ltd, Shatabdi Bhawan, NOIDA – 201 301
2. ED, DANS Energy Pvt Ltd, DLF Cyber City, Phase-II, GURGAON – 122 002
3. Director, Shiga Energy Pvt. Ltd., 5th Floor, DLF Building No. 8, Tower-C, DLF Cyber City, Phase-II, Gurgaon – 122002
4. CEO, Sneha Kinetic Power Projects Pvt.Ltd. #31 -A, National Highway, Behind SNOD building, Deorali, Gangtok, Sikkim-737102
5. GM, Rongnichu HEP, MBPCL, Sikkim-737102
6. Associate Director (Commercial & Regulatory), DMTCL, Sekura Energy Limited, Mumbai
7. CEO, Adani Power Transmission Limited, Gujrat-382028
8. DGM, Teesta Valley Power Transmission Limited, New Delhi-110066
9. Head (regulatory & Contract), IndiGrid Limited, Mumbai-400079
10. CEO, Cross Boarder Power Transmission Limited, Gurgaon-122001
11. The Interium Head, Bhutan Power System Operator, Thimpu, Bhutan
12. Managing Director, DGPC, Thimpu, Bhutan
13. Member Secretary, NRPC, New Delhi
14. Member Secretary, WRPC, Mumbai
15. Member Secretary, SRPC, Bangalore
16. Member Secretary, NERPC, Shillong
17. Member Secretary, NPC, CEA, New Delhi



Government of India
Ministry of Power
Eastern Regional Power Committee

Minutes
of
49th Commercial
sub-Committee Meeting

Date: 28.07.2023

**MINUTES OF 49th COMMERCIAL SUB-COMMITTEE MEETING OF ERPC HELD ON
28.07.2023 (TUESDAY)
AT 10:30 HRS THROUGH PHYSICAL MODE AT ERPC SECRETARIAT, KOLKATA.**

ITEM NO. A1: Confirmation of the minutes of the 48th Commercial Sub-Committee meeting held on 14.03.2023.

The minutes of the 48th Commercial Sub-Committee meeting were uploaded on ERPC website.

Members may confirm the minutes of the 48th Commercial Sub-Committee Meeting.

Deliberation in the meeting

Members confirmed.

PART B: ITEMS FOR DISCUSSION

ITEM NO. B.1: Agenda by ERPC Secretariat.
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1. CERC IEGC Regulation 2023: Commercial Accounting Aspect.

CERC vide notification dated 29.05.2023 had issued Indian Electricity Grid Code Regulation 2023 and directed the concerned agencies (NLDC, RLDCs, RPCs & SLDCs etc.) for preparing detailed procedure after stakeholders' consultation. These regulations shall come into force from such date as the Central Commission may notify: Provided that different dates may be appointed for commencement of different regulations.

ERPC secretariat will give a brief presentation on Commercial Accounting Aspects of the CERC(IEGC) Regulation 2023.

Deliberation in the meeting

ERPC secretariat gave a brief presentation highlighting the important clauses of IEGC Regulation 2023 in respect Commercial Accounting implications in reference to present practice.

ED ERLDC viewed that as per new IEGC Regulation RPC forum will declare high inflow period for hydro generators and that would be reference for RLDCs while giving 10% overload capability to generating station.

CCM advised all the generators to follow DC declaration and obey the new IEGC regulation 2023 as and when implemented.

2. Methodology for reference Charge Rate calculation of Generating station of ER having multiple contracts.

As per clause 3(u) of CERC DSM Regulation 2022 implemented w.e.f. 05.12.2022

" 'Reference Charge Rate' means (i) in respect of a general seller whose tariff is determined under Section 62 or Section 63 of the Act, Rs/ kWh energy charge as determined by the Appropriate Commission, or (ii) in respect of a general seller whose tariff is not determined under Section 62 or Section 63 of the Act, the daily weighted average ACP of the Day Ahead Market segments of all the Power Exchanges, as the case may be;."

As per clause 27(6) of CERC Suo Motu order in petition no.01/SM/2023 dated 06.02.2023 implemented w.e.f. 08.02.2023

"In case of multiple contracts, the contract rate or the reference rate referred to in Regulation 8 of the DSM Regulations, 2022 shall be the weighted average of the contract rates of all such contracts."

In the present DSM Accounting, ERPC Secretariat issues DSM Account of ER constituents as per CERC DSM regulation-2022 and the Reference Charge Rate calculation of the Generating Stations as follows:

1. The Reference Charge Rate of all generating station whose complete tariff is determined in accordance with section 62 or 63 of EA act will be the Energy Charges Rate.
2. In case of multiple contracts, the contract rate or the reference rate referred to in Regulation 8 of the DSM Regulations, 2022 shall be the weighted average of the contract rates of all such contracts.
3. The Reference Charge Rate of general seller which does have not contract, the Daily Weighted avg ACP of DAM market of all PXs.

The following assumptions have considered for RCR calculation:

- i) The ECR rate of previous month of all the contracts under sec 62 & sec 63 may be used in the current month's Reference Charge rate calculation starting from 16th to 15th of next month.
- ii) If no information is received from generators end, the latest available data will be used for RCR calculation.
- iii) There will be no post facto revision of Reference charge rate calculation due to revision of PPA rate or ECR Rate.

In view of the above clauses, ERPC Secretariat asked for ECR data, Contract rates data from ER generators for calculation of Reference change rate. But it was found that SUL is not providing complete contract details with ERPC secretariat.

SUL may update. Members may discuss.

Deliberation in the meeting

ERPC secretariat informed that SUL vide email dated 27.07.2023 submitted that they will provide all the contract rates for calculation of RcR of Sikkim Urja Limited as per DSM regulation 2022 and suo motu orders.

West Bengal representative informed that they have observed some variation in frequency with respect to Korba Master frequency data used for accounting. CCM advised West Bengal to submit comparative frequency data to ERPC/ERLDC for further study.

CCM advised all the Regional Entities to adhere to the Prevailing DSM regulation of CERC and furnish the relevant data to ERPC secretariat timely.

3. Rejection of bill raised by NPCIL for allocation of Power to Bihar from Un-allocated quota of CGS of WR & NR

with reference to the above referred letter regarding allocation of Power to Bihar from Unallocated Quota of Northern Regional Power Committee. As per REA issued by NRPC dated 2/6/2023, 4802920 Units for the month of May-2023 was allocated from NPCIL-RRS-5&6 to Bihar. Accordingly, RRS- 5&6 raised the energy bill to M/s NBPDCCL on 06/06/2023 (copy enclosed) and same was forwarded by Speed Post and uploaded on PRAAPTI Portal.

In response to bill raised, NBPDCCL rejected/returned the said bill with remark "the invoice is without supporting PPA as required vide MOP letter No. F.No. 22/10/2023-OM 264541 dated 1/5/2023 have not been complied i.e. PPA has not been signed". The bill was also returned on PRAAPTI Portal stating that the invoice/bills are incomplete.

The allocation of power to Bihar from unallocated quota was for a period of 3 months (1/5/2023 to 31/7/2023) as per NRPC letter dated 2/5/2023. In accordance with the NRPC

letter, the draft PPA was shared with BSP(H)CL on 7/6/2023 for their consent and further submission to BERC for approval. Further, as per the MoP letter No. F.No. 22/10/2023-OM 264541 dated 30/5/2023 and NRPC letter dated 31/5/2023, the power has been De-allocated w.e.f 1/6/2023. Hence the allocation of power for Bihar remains only for 1 month i.e. for the month of May 2023.

Bill for the month of May 2023 was raised in the name of CE, BSP(H)CL, amounting to Rs. 1,88,10,637/- as per the tariff noted by DAE. However, as informed by BSP(H)CL regarding power sharing between SBPDCL and NBPDCCL in the ratio of 54:46, revised bills were raised to SBPDCL and NBPDCCL on 17.06.2023. However, the same has again been rejected by NBPDCCL on PRAAPI stating that "invoice is issued with supporting PPA as required vide MoP Letter No. F. No. 22/10/2023-OM 264541 dated 01.05.2023. Relevant documents are provided at **Annexure B1.3**.

Bihar may explain. Members may discuss.

Deliberation in the meeting

Bihar representative informed that they have already cleared the outstanding dues on 19.07.2023.

CCM advised all the beneficiaries of Eastern Region to adhere to the MoP/CEA order on share allocation.

4. Request of Bihar to stop scheduling from Kurichu HPS, Bhutan.

With reference to above subject, it has been observed that ERLDC has started scheduling of power from Kurichhu HPS, Bhutan w.e.f. 00:00 hrs of 17.06.2023.

In this regard, ERPC vide letter dated 15.02.2023 has intimated that reallocation of power of Central Generating Stations of Eastern Region and Bhutan HPS upon uniform allocation of unallocated power among ER beneficiaries including Bihar from Eastern Region pool has been done as per the directives of CEA and Ministry of Power.

Further, it may be noted that neither PPA has been signed with Bihar DISCOMs nor approval from regulatory commission has been taken yet.

Therefore, it is requested to kindly make Kurichhu HPS, Bhutan arrangement to stop scheduling from with immediate effect to avoid any commercial issues.

Bihar may explain. Members may discuss.

Deliberation in the meeting

Bihar representative informed that BERC has already approved the allocation of Power from Kurichu HPS of Bhutan to Bihar and PPA signing is under process.

CCM advised all the beneficiaries of Eastern Region to adhere to the MoP/CEA order on share allocation.

ITEM NO. B.2: Allocation of firm power from upcoming Hydro Projects of NHPC Ltd, its JVs/Subsidiaries.

Ministry of Power vide letter dated 27.06.2023 directed CEA to examine the proposal of NHPC for allocation of firm power from upcoming hydro projects of NHPC Ltd, & its JVs/subsidiaries (**Annexure B2**).

CEA vide email dated 28.06.2023 and 18.07.2023 requested for confirmation regarding the consent of eastern states for not willing to take power from the projects located in eastern region. Subsequently, ERPC vide mail dated 30.06.2023 and 19.07.2023 requested the ER states to confirm their consent regarding unwillingness to take power from the upcoming hydro projects of NHPC Ltd, & its JVs/subsidiaries located in the eastern region. In this regard, ERPC has not received any communication from ER beneficiary states (Odisha, West Bengal, Jharkhand, Bihar, Sikkim).

Odisha, West Bengal, Jharkhand, Bihar, Sikkim may give their consent for unwillingness.

Deliberation in the meeting

ERPC secretariat briefly explain about Ministry of Power letter regarding the allocation of firm power from the upcoming hydro projects of NHPC Ltd, & its JVs/subsidiaries located in the eastern region.

GRIDCO representative informed that they are in the process of giving their consent for availing power from Teesta VI & Ratle Power projects of NHPC.

DVC representative submitted that they want to avail the power from upcoming hydro projects of NHPC located in the Eastern Region.

Bihar representative submitted they are interested in availing power from upcoming hydro projects of NHPC Ltd and they are in the process of obtaining approval of competent authority for giving consent to avail the power from NHPC project.

Jharkhand representative informed that they will intimate their consent after getting approval from the competent authority.

NHPC representative submitted that they have already obtained the consent from the beneficiaries for allocation of power from upcoming NHPC projects and at present no further changes can be done at their end and beneficiaries may approach directly to MoP/CEA for allocation of power from upcoming NHPC projects.

After detailed deliberation, CCM advised all constituents of Eastern Region to write a letter to MoP/CEA for their willingness to avail the Power. Further, CCM advised for placing this issue in the upcoming TCC/ERPC Meeting for detailed deliberation.

ITEM NO. B.3: Deduction of Sikkim 12% Royalty free Power share from Rangit and Teesta-V.

Reference letter no: ERPC/Comm-I/Gen/Share/2022-23/1456 dated 15.02.2023, ERPC/Comm-I/Gen/Share/2022-23/1538 dated 27.02.2023 & ERPC/Comm-I/Gen/Share/2022-23/1545 dated 28.02.2023 (Flag X) for reallocation of power of central Generating Stations of Eastern Region and Bhutan HPs upon uniform allocation of unallocated power among ER beneficiaries w.e.f. 00:00hrs of 01.03.2023.

The detail of total allocation share percentage (%) with equivalent in MW for Hydro power is as under:

Sl. No	Name of Central Generating Stations	Installed Capacity (MW)	Allocation	
			Percentage (%) share	MW
1	Rangit	60	11.84	7.090
2	Teesta-V	510	11.35	57.789

As above the percentage for the power allocated for Rangit & Teesta V is less than the free share royalty percentage wise, 12%. The allocation share percentage for Rangit & Teesta-V till 16th Feb 2023 is 13.33% and 13.19 % respectively (i.e., 12% free share and 1.33% & 1.19% chargeable), but the share allocation percentage from 17th Feb 2023 is 11.84% & 11.35% only which is less than the free share royalty to Sikkim.

The share from Rangit & Teesta-V was reallocated to Sikkim vide letter no: ERPC/Comm-I/Gen/Share/2023-24/146 dated 29.04.2023 w.e.f. 00:00 hrs. of 01.05.2023, but Sikkim face a loss for two months as the 12% royalty share was deducted.

Sikkim may explain. Members may discuss.

Deliberation in the meeting

Sikkim representative briefly explained the issue. Further he informed that some percentage of free power of Sikkim for the period of March'2023 & April'2023 has been scheduled to other beneficiaries of Teesta-V & Rangit. Further, he requested for giving back the same quantum of power by adjustment in future REA accounts or payment of an amount equivalent to short fall in their free power quota.

ERPC Secretariat submitted that after the implementation of Uniform share allocation of un-allocated quota in Eastern Region, the share of Sikkim from TEESTA-V & RANGIT got reduced inadvertently in the month of March & April 2023 and the same has been rectified from May 2023 onwards.

CCM opined that since power has already been scheduled and beneficiaries have used it as per requirement, post facto revision of share will pose a lot of difficulties in accounting and settlement.

After detailed deliberation, CCM advised ERPC secretariat to revise the REA of March 2023 & April 2023 reflecting free share of Sikkim as 12% in Teesta-V & Rangit instead of 11.35% or 11.84% respectively. CCM advised NHPC to refund the requisite amount to Sikkim by adjustment in bills of other beneficiaries to the extent of short fall in the free share quota of Sikkim.

NHPC representative agreed to implement the direction of CCM after the issuance of revised REA.

ITEM NO. B.4: Sikkim LTA of 7 MW against Rangit HEP share.

Sikkim Evacuates/draws its 7MW Share (12% free and 1.33% allocation) through its own transmission system in direct connectivity with Rangit 132 kV Substation through:

- 132/66 KV 20 MVA ICT along with 66KV Rangit-Ravangla TL which was commissioned in 2007.
- 132 KV Rangit-Sagbari, 132 KV Sagbari-Melli& 132 kv Sagbari-Gyalshing TLs (Previously Rangit-Melli TL which was commissioned in 2003 and later LILOed in Sagbari in 2012)

However, Sikkim is paying towards this LTA Charges.

Sikkim may update. Members may discuss.

Deliberation in the meeting

Sikkim representative informed that it is drawing its entire share of 7 MW power from RANGIT through its own transmission system. He also submitted that Sikkim is not liable to pay LTA charges for its share in RANGIT.

CCM observed that the original evacuation scheme of RANGIT along with subsequent modification needs to be considered to decide on the issue.

After detailed deliberation, CCM advised Sikkim to file a petition before Hon'ble CERC for seeking exemption from paying ISTS charges.

ITEM NO. B.5: Wheeling of power by Tata Steel Limited (TSL) at 132 KV through DVC system.

Tata Steel Ltd. (TSL), a beneficiary of DVC, is connected to CTU at 400 KV BPRS Substation and 200 MW GNA has been granted to TSL by CTU for availing power from DVC TPSs through scheduled mode. Apart from that TSL has a captive generating plant at Jamshedpur which is connected to DVC system at 132 KV through Jamshedpur Substation (220KV/132KV/33KV). Any surplus power (after meeting its internal demand) is exported by TSL to its other plants in Maharashtra & Odisha by wheeling through DVC system.

TSL started availing open access of 80 MW from 09.12.2005 to 31.07.2008 on STOA basis. They again availed open access of 100 MW on continuous basis between 01.08.2008 to 31.03.2023 on STOA term.

Although the open access requirement of TSL was on long-term basis, TSL took undue advantage of the prevailing Open Access Regulations and met its long-term requirement by availing STOA for 3 months at a time and subsequently through repeated renewals. An ornamental 2-day gap used to be kept between consecutive 3 months periods to justify wheeling through STOA.

In view of the above, DVC requested TSL to discontinue the practice of wheeling on STOA and to avail open access on long-term/medium-term basis. On persistence, TSL applied for clearance for wheeling on MTOA basis from 01.04.2023 to 31.07.2023 (4 months). But TSL drastically reduced the wheeling quantum from 100 MW to only 9 MW in order to save Long Term wheeling charges. The agreement for the wheeling of 9 MW by TSL on MTOA was executed on 29.03.2023.

Subsequent requests by TSL post MTOA agreement:

Within days of the signing of MTOA agreement, TSL repeatedly applied for STOA as follows:

- for 40 MW for the period of 20.04.2023 to 30.06.2023 on 18.04.2023.
- to wheel 6 MW on 29.05.2023 for the period from 01.06.2023 to 30.06.2023.
- to wheel 10 MW on 06.07.2023 for the period from 08.07.2023 to 18.07.2023.
- for 10 MW on 18.07.2023 for the period from 19.07.2023 to 31.07.2023.

As requested, STOA was permitted to TSL by DVC, at the same time DVC requested TSL on multiple occasions to assess their wheeling requirement for the next 6-12 months. DVC is yet to receive the projected wheeling requirement from TSL.

From the multiple STOA requests made by TSL as stated above, it transpires that they have a long/medium term requirement of around 15-20 MW open access quantum but only 9 MW is being availed on MTOA basis and the rest 6-10 MW is being requested regularly on STOA

basis. It is worthy to mention here that the wheeling transactions of above nature between DVC & TSL may also come under the scrutiny of Audit.

Submission

Since STOA is charged on scheduled energy basis @ Rs. /KWh as and when required and MTOA/LTOA is charged on open access quantum @ Rs. in Lakhs/MW per month, TSL is unduly benefiting at the cost of DVC.

It is therefore requested to discuss the issue whether repeated STOA should be allowed to an entity when the actual requirement is for LTOA/MTOA, thereby defeating the spirit of Open Access Regulation for the mere monetary gain by the entity.

DVC may update. Members may discuss.

Deliberation in the meeting

DVC representative informed that tata Steel limited's wheeling requirement through DVC system in long/medium term of around 15-20 MW open access quantum but only 9 MW is being availed on MTOA basis and the rest 6-10 MW is being requested regularly on STOA basis.

CCM observed that under the current regulatory regime an applicant is free to apply for any type open access which is subsequently granted subject to corridor availability.

After detailed deliberation, CCM advised DVC & Tata Steel Limited to resolve the issue bilaterally.

<p>ITEM NO. B.6: Final Reconciliation of erroneous arrear amount reflecting in the monthly bills of M/s TPWODL (DISCOM) for the drawl of auxiliary power through Tertiary winding of 1500 MVA, 765/400/33KV ICT-1 at Powergrid, Sundergarh Sub-station.</p>
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1. The Energy Consumption at Sundargarh Substation through Tertiary Winding of its 1500 MVA, 765/400/33kV ICT#1 is being calculated and charged to POWERGRID w.e.f. 23rd October 2017 as per the Guideline issued by OERC.
2. Accordingly, M/s TPWODL (DISCOM) has started raising bills for the drawl of auxiliary power through the tertiary winding of above-mentioned ICT.
3. In the special meeting held at ERPC Office on 10th July 2018, it was decided that the billing of auxiliary power consumption through tertiary of ICTs in POWERGRID Substations shall be done based on the meter data of energy consumption uploaded weekly in ERLDC website. Accordingly, the billing shall be done by the respective DISCOMs.
4. However, POWERGRID has noticed that the Tertiary Energy Consumption Data (calculated & uploaded by ERLDC) in respect of Sundargarh Substation was much higher than the actual energy consumed in the substation.

5. The CT & PT Ratios considered by ERLDC and actual ratios at site were as under:

	CT Ratio	PT Ratio	M.F.
As considered by ERLDC	50/1	33000/110	15000
Actual Ratios at site	1000/1	415/110	3772.72

6. Therefore, the Actual Consumption Data and Data considered in DSM bill had some considerable difference i.r.o. Sundargarh Substation. Therefore, it was requested for the revision of the Energy Data and concern DSM accounts accordingly w.e.f. 23rd October 2017 by ERLDC/ERPC and for further intimation to GRIDCO and WESCO (presently TPWODL) for energy billing by DISCOM.
7. The M.F. was corrected by ERLDC on 31st October 2018, however for correction of M.F. for the period from 23rd October 2017 to 31st October 2018 the matter was taken up in the 41st Commercial Sub-committee meeting of ERPC held on 27.11.2019 requesting ERLDC to provide the actual energy consumption data to ERPC after considering the corrected CT & PT ratios and subsequently, the DSM Accounts of GRIDCO was to be revised as per corrected MF. Copy of Minutes of 41st Commercial Sub-Committee meeting of ERPC is attached as **Annexure – B6**.
8. Based upon the deliberation in the 41st Commercial Sub-committee meeting, SE (Commercial)/ERPC convened a meeting on 24.02.2022 through MS Team Platform to resolve the issue. MoM of this special meeting is attached as **Annexure – B6**.
9. As per the deliberation in the meeting, ERLDC was instructed to provide the average monthly frequency data for the disputed period to ERPC and based on the average monthly frequency data and revised drawl data, ERPC had to revise the DSM Account of GRIDCO for the disputed period.
10. In the meantime, M/s TPWODL has raised Arrear Bills for the period from May'2019 to November'2021 in the 1st Phase based on GRIDCO reading, which was also not matching with the data collected from SLDC, Odisha. Tertiary transformer consumption data of PGCIL SS is attached as **Annexure –B6**.
11. Then for the period from October'2017 to April'2019, Arrear Bills were raised by M/s TPWODL based upon the readings received by them from SLDC, Odisha. However, it was found that, due to incorrect MF for the period from October'2017 to September'2018, the arrear bills were raised with the wrong multiplication factor, hence there was huge difference between the actual consumption data and the data considered for billing purpose.
12. However, to facilitate the release of arrear payment to M/s TPWODL, Sundargarh Substation paid the energy bill amount as per energy units provided by SLDC, Odisha which were in line with ELRDC Energy units from Oct'2018 to Nov'2021. However, for the period Oct'2017 to Sept'2018, energy bill amount has been paid as per the revised energy units provided by ERLDC and the entire calculation details were shared with M/s TPWODL.
13. As per the request of M/s TPWODL, from December'2021 onwards Sundargarh Substation has shared the downloaded monthly SEM reading data every month and monthly bills are
- Minutes of 49th CCM

being raised as per the actual consumption data and POWERGRID has always ensured release payment to TPWODL within the rebate date.

14. Being a responsible and bulk consumer, POWERGRID has paid all the energy bills from October'2017 to June'2023 as per the actual energy consumption data, but erroneous bills are being submitted from the beginning, which is not yet reconciled at M/s TPWODL end.
15. In this regard, several correspondences have been made by POWERGRID through various letters and e-mails during the last one and half years, but M/s TPWODL has not taken any pro-active measures for final reconciliation of this long pending issue. Copy of various letters and e-mail correspondences made with M/s TPWODL are attached herewith for reference.
16. In the monthly bill of June'2023 (copy attached) the outstanding net arrear amount is still showing Rs.2,70,40,477/- (Rupees Two Crores Seventy Lakh Forty Thousand Four Hundred Seventy-Seven) due to erroneous multiplying factor and over and above to it DPS charges of Rs.2,60,788/- (Rupees Two Lakh Sixty Thousand Seven Hundred Eighty-Eight) have been imposed, which is getting accumulated every month. Copy of DISCOM Bill for the Month of June 2023 is attached as **Annexure-B6**.
17. Every time, M/s TPWODL has informed that final reconciliation with POWERGRID shall be done once it gets settled between them and GRIDCO.
18. Due to this inordinate delay in settlement of arrear issue between TPWODL and GRIDCO, POWERGRID is getting unduly penalized every month despite making timely payments to TPWODL.
19. Considering the above facts, the intervention of ERPC and ERLDC is highly essential for permanent resolution of the long pending arrear issue with M/s TPWODL.

SUBMISSION

- i. Waive off all arrear amount and consequential DPS charges levied upon these incorrect energy units by M/s TPWODL for the period from October 2017 to September 2018.
- ii. Submission of correct energy bill with zero arrear amount and zero DPS charges in the forthcoming months by M/s TPWODL.
- iii. Issuance of Final Reconciliation Certificate with "NIL" Arrear Amount for compliance against POWERGRID Auditor Observation.

Powergrid Odisha may update.

Deliberation in the meeting

Powergrid Odisha explained the issue in brief and requested for Waive off all arrear amount and consequential DPS charges levied upon these incorrect energy units by M/s TPWODL for the period from October 2017 to September 2018.

No representative of TPWODL present during the meeting.

CCM advised GRIDCO to coordinate with Discoms for resolving the issue at the earliest.

ITEM NO. B.7: Revision of electricity consumption bills through tertiary of ICT-1 at Powergrid Keonjhar Sub-station.

1. The Energy Consumption at 400/220kV Keonjhar Substation through tertiary winding of its 315 MVA ICT#1 is being calculated and charged to POWERGRID w.e.f. 23rd October 2017 as per the Guideline issued by OERC.
2. After receipt of Arrear Bill from TPNODL (DISCOM) for drawl of auxiliary power through tertiary winding of 315 MVA ICT#1 at POWERGRID, Keonjhar Substation, the bills were verified at site and found abnormally high value of energy consumption data.
3. After thorough analysis, it was found that the CT/PT ratio has been erroneously considered as 50/300, whereas the actual CT/PT ratio is 1000/3.7727. Matter was discussed with ERLDC commercial team and the CT/PT ratio was changed to 1000/3.7727 w.e.f. 30th August 2021.
4. Initially the bills received from M/S TPNODL (DISCOM) were having HT multiplying factor of CT ratio 50/1 and PT ratio 33000/110 which led to huge amount of bill value for the period w.e.f. 23.10.2017 to August 2021.
5. POWERGRID have already paid the electricity consumption charges for the period from 23rd October 2017 to August 2021 as per corrected CT and PT ratio whereas bills served by M/s TPNODL (DISCOM) is continuously showing huge amount of outstanding arrear. Issue has been already discussed in 45th CC Meeting of ERPC held on 03.03.2022 in which it has been deliberated that after receipt of information from the members, ERPC Secretariat shall take necessary action in coordination with ERLDC.
6. As per energy consumption bill served by M/s TPNODL to POWERGRID, Keonjhar SS for the month of June 2023, net outstanding arrears due to wrong MF for the period from October 2017 to August 2021 is Rs.2,06,72,786/- (Rupees two crore six lac seventy-two thousand seven hundred and eighty-six only) and DPS is Rs. 1,52,928/- (Rupees one lac fifty-two thousand nine hundred twenty-eight only). Copy of DISCOM Bill for the Month of June 2023 is attached as **Annexure-B7**.
7. This huge amount of unqualified outstanding dues has been seriously noted and pointed out by the auditor. It is a matter of regret that we are unable to submit compliance for audit observation due to pending revision of electricity consumption bills through tertiary of ICT-1 of POWERGRID Keonjhar S/s.

SUBMISSION

- i. Waive off all arrear amount and consequential DPS charges levied upon these incorrect energy units by M/s TPNODL (DISCOM) for the period from 23rd October 2017 to August 2021.
- ii. Submission of correct energy bill with zero arrear amount and zero DPS charges in the forthcoming months by M/s TPNODL.
- iii. Issuance of final reconciliation certificate with "NIL" arrear amount for compliance against POWERGRID Auditor Observation.

Powergrid Odisha may update.

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Deliberation in the meeting

Powergrid Odisha explained the issue in brief and requested for Waive off all arrear amount and consequential DPS charges levied upon these incorrect energy units by M/s TPNODL (DISCOM) for the period from 23rd October 2017 to August 2021.

No representative of TPWODL present during the meeting.

CCM advised GRIDCO to coordinate with Discoms for resolving the issue at the earliest.

ITEM NO. B.8: Proposal for procurement of Reactor spares (cold spares) for Eastern Region – Powergrid ER-II.

In Eastern Region-II following Reactors are in service at present as POWERGRID asset:

STATE	VOLTAGE LEVEL	CAPACITY	IN SERVICE (In No)	Number of Spares available (In No)
WEST BENGAL	400 KV	125 MVAR	13	NIL
		80 MVAR	07	NIL
		63 MVAR	05	NIL
		50 MVAR	08	01 at Maithon
Odisha	400 KV	125 MVAR	15	01 at Angul
		80 MVAR	08	01 at Rourkela
		63 MVAR	07	NIL
		50 MVAR	06	01 at Rourkela
SIKKIM	400 KV	80 MVAR	02	NIL
	220 KV	31.5 MVAR	02	NIL
BIHAR	400 KV	125 MVAR	16	NIL
		80 MVAR	12	NIL
		63 MVAR	11	NIL
		50 MVAR	10	01 at Biharsharif
JHARKHAND	400 KV	125 MVAR	8	NIL
		80 MVAR	3	NIL
		63 MVAR	2	01 at Dalton Ganj
		50 MVAR	8	01 at Jamshedpur

However, apart from 400 KV, 50 MVAR Reactor at Maithon SS, no other spare Reactor are available till date. As per CEA spare norms (circulated in July-2020, refer page-18/19), for maintaining spares under GST regime, each state should be provisioned with respective sized Reactor. Accordingly, as per available sizing following Reactors are required at following locations: -

STATE	VOLTAGE	SIZE	STORAGE PLACE
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WEST BENGAL	400 KV	125 MVAR	DURGAPUR SS
		80 MVAR	BINAGURI SS
		63 MVAR	BINAGURI SS
SIKKIM	400 KV	80 MVAR	RANGPO SS
	220 KV	31.5 MVAR	NEW MELLI SS
BIHAR	400 KV	125 MVAR	BIHARSARIFF SS
		80 MVAR	PATNA SS
		63 MVAR	MUZAFFARPUR SS
JHARKHAND	400 KV	125 MVAR	NEW RANCHI SS
		80 MVAR	RANCHI SS
ODISHA	400 KV	63 MVAR	ROURKELA SS

All above Reactors will be kept as regional spare and based upon urgency the same shall be utilised in ISTS system and as per CEA spare norms in state level.

Members may discuss and approve the technical requirements for further submission of cost data to subsequent meetings.

In the 202nd OCC meeting, representative of Powergrid submitted that as per the present norms of CEA, above-mentioned list of cold spares is to be kept as regional spare to be utilised in ISTS systems on emergency basis.

OCC agreed with the proposal and advised Powergrid to place this agenda with the necessary cost estimate to upcoming Commercial Sub Committee Meeting.

Accordingly, Powergrid vide mail dated 25.07.2023 submitted detailed work out for tentative cost implications done and total value comes as, Rs. 111,52,97,192/- (RS. ONE HUNDRED AND ELEVEN CRORES FIFTY-TWO LACS NINETY-SEVEN THOUSAND ONE HUNDRED NINETY-TWO ONLY). Details cost break up given for reference purpose at **Annexure B8**.

Members may approve.

Deliberation in the meeting

PGCIL representative explained the issue in detail.

West Bengal representative informed that the cost of keeping spare reactor for eastern Region is very high and procurement plan should be implemented in phase wise, so that financial burden on beneficiaries should be less.

After detailed deliberation, CCM opined that the required number of spare reactors may be again deliberated in the OCC.

ITEM NO. B.9: Replacement of old static LBB Relays in ER-II on account of enhancement of Reliability of Protective system – Powergrid ER-II.

Under various Transmission scheme implemented in Eastern Region earlier, everywhere Static LBB relays are used only. The static relay model comprises RAICA (From ABB) & CTIG (From GE)/ MCTI4 (From AREVA). In many occasions, it is observed that due to maloperation of Static Relay & its auxiliary system, entire Bus & associated elements got tripped.

In addition to that as those Relays are Static in nature analysis of various events, post fault is very difficult. Replacement of those Static LBB relays by available Numerical Relays are only possible solution to avoid such malfunctions. Moreover, in latest Numerical relays, additional Re-Trip function (Opening of self CB after 100 ms) is available which gives additional flexibility in protective system.

Under ADDCAP 2019-24 Tariff block, all old protection system of Chukha TS (Namely Birpara/Siliguri/Dalkhola/Malda) are taken for complete upgradation and this upgradation is included the replacement of LBB relays also. However, stations namely Maithon (KTPS) & Binaguri are also fitted with old static type LBB relays, which require complete replacement.

A list of such LBB Relays mainly installed at Maithon & Binaguri SS are attached for reference **(Annexure B9)**. Total 58 No's Relay require complete replacement and tentative Cost estimate comes to Rs. 2.0 Crores Including all applicable Taxes and duties.

Considering the criticality for continuing of such elements, it is proposed to provide in-principle approval for replacement of such old Static Relays, necessary cost shall be booked in ADDCAP 2019-24 tariff block and actual expenditure shall be placed during truing up.

In the 202nd OCC meeting, Representative of Powergrid submitted that the static relays to be changed in Dalkhola had already been supplied and the work is scheduled to start in the month of May 2023 subjected to availability of shutdown. Replacement work in Birpara and Binaguri is planned to be carried out in the month of July 2023 and August 2023 respectively.

He further submitted that the static LBB relays (58 nos.) at Maithon & Binaguri SS may also be allowed to be replaced with an estimated cost of Rs. 2 crores. The tendering activities would be started once the technical approval is provided. The materials would be procured by the end of September 2023 and the replacement work may be scheduled in the month of November & December 2023.

OCC gave the in-principle approval for the replacement of 58 nos. of static LBB relays (58 nos.) at Maithon & Binaguri SS.

Further, OCC referred the agenda to upcoming Commercial Sub Committee Meeting.

As per discussion in 202nd OCC of ER, it has been finalised to procure 58 No's numerical LBB Relay for Binaguri & Maithon SS for upgradation from conventional static Relays to enhance reliability. It is to be updated, that, vide GeM LOA Ref No:- GEMC-511687755886209 dated 22.06.2023, POWERGRID has placed LOA for procurement of the same to M/S. GE T&D, with time line for completion within 17.02.2024. Total cost implication for procurement and installation of 58 No's Numerical Relay comes to **Rs. 2,49,74,783/- (Rs. Two Crore forty-nine lacs seventy-four thousand seven hundred eighty-three only) including all.**

Members may approve.

Deliberation in the meeting

Powergrid representative explain the requirement of 58 Nos numerical LBB Relay for Binaguri & Maithon SS for upgradation from conventional static Relays to enhance reliability. Further, he informed that the total cost implication for procurement and installation of 58 No's Numerical Relay comes to Rs. 2,49,74,783/- (Rs. Two Crore forty-nine lacs seventy-four thousand seven hundred eighty-three only) including all.

After detailed deliberation, CCM approved the cost of Rs 2,49,74,783/- including taxes for procurement and installation of 58 Nos numerical LBB Relay for Binaguri & Maithon SS for upgradation from conventional static Relays to enhance reliability and referred the issue to TCC/ERPC meeting for further approval.

ITEM NO. B.10: Furnishing of details such as block wise STOA energy for bilateral and collective transactions, STOA rates, STOA punching data, total all India collection towards STOA – Agenda by GRIDCO.

Every month CTUIL raises Bill of supply towards first Bill of a billing month. The first Bill of each billing month contains the transmission charges for the billing period in accordance with Regulations 5 to 8 of the CERC Sharing Regulations, 2020. Transmission charges for Short Term Open Access paid by an embedded intra-State entity during a month is reimbursed in the following billing month to the State in which such entity is located. Further, the Transmission Deviation charges recovered through the third bill are reimbursed to the DICs in proportion to their share in the first bill in the following billing month.

It is to be noted that the details being provided by CTUIL in the supporting documents towards the above reimbursements are not sufficient for verification purpose. The supporting documents only contain the amounts towards different credits without providing the background calculations. Hence, CTUIL may be requested to provide all background calculations towards the amounts mentioned in the supporting documents such as block wise STOA energy for bilateral and collective transactions, STOA rates, STOA punching data, total all India collection towards STOA, total all India collection towards deviation charges and other such data which will help in the verification of the Transmission charges. The above activity will help in bringing about more transparency in the Transmission Billing process.

GRIDCO may update. CTU may clarify.

Deliberation in the meeting

GRIDCO representative informed that monthly Transmission charges bill raised by CTUIL in the First bill. Further, he informed that for verification purpose of bill of STOA & RTDA charges reimbursement, CTUIL should provide all background calculations towards the amounts mentioned in the supporting documents such as block wise STOA energy for bilateral and collective transactions, STOA rates, STOA punching data, total all India collection towards STOA, total all India collection towards deviation charges and other such data which will help in the verification of the Transmission charges.

CTUIL representative was not present in the meeting. However, CCM observed that all the relevant data pertaining to distribution of STOA charges and Transmission deviation charges should be made available to the DICs by the concerned agencies like CTUIL/NLDC/RLDCs. Further, CCM requested CTUIL/NLDC/RLDCs to upload the relevant data in their website.

ITEM NO. B.11: Agenda by NTPC.

1. Too many Captcha for accessing data from ERLDC website:

Only one captcha at the first page must be employed. Captcha are causing significant delay in accessing important data.

Deliberation in the meeting

NTPC representative informed that at present they are having limited number of login credential and they facing repeated captcha while downloading schedule file.

CCM advised ERLDC to give the login credential to NTPC for cross checking the schdule file.

2. Sharing of calculation sheet being used by NLDC for calculating SRAS performance:

NTPC has tried various methods viz quartile function elimination, standard deviation elimination methods for data cleaning for calculating SRAS performance, still during some of the periods performance percentage does not match with NLDC data.

Deliberation in the meeting

NTPC representative requested for sample calculation of SRAS performance of Generating stations.

ERPC secretariat informed that in several instances it was found that during outage/shut down period generating stations are getting SRAS signal and due to this huge DSM penalty imposed on Generators without their fault.

CCM advised NLDC to share the sample calculation of SRAS performance with generators. Further, advised NLDC to rectify the error of SRAS signal during plant shut down period at the earliest.

3. Timely uploading of complete and correct data for issued accounts:

- i) Data available at ERLDC scheduling page get delayed and requires correction many a times.
- ii) Data for unit trippings was earlier provided at ERPC site, same may be continued for easy verification.

NTPC may update. NLDC & ERLDC may clarify.

Deliberation in the meeting

ERPC secretariat informed that they will upload the outage data file along with DSM Account file.

<p>ITEM NO. B.12: Reconciliation of GMRKEL Deviation Charges for the period 05.12.2022 to 16.04.2023</p>

Reconciliation statement of GMRKEL Deviation Charges for the period 05.12.2022 to 16.04.2023 is required to be reconciled and modified in line with the applicable Reference Charge Rate (RCR) as per DSM Regulation, 2022.

Request your good self to consider the applicable Reference Charge Rate (RCR) for GMRKEL as per DSM Regulation, 2022 and kindly revise weekly Deviation Charges for the said period (05.12.2022 to 16.04.2023)

Please refer the enclosed **(Annexure B12)** which includes the following details:

- 1. Sub sheet - "Reconciliation day wise cal":- It comprises of Energy Cost (Rs./kWh) published by ERPC and applicable Reference Charge Rate (Rs./kWh) for GMRKEL as per DSM Regulation, 2022. Based on which, day-wise receivable Deviation Charges is calculated for period 05.12.2022 to 16.04.2023.
- 2. Sub sheet - "ECR calculated for PPA":- It comprises of Weighted average Reference Charge Rate (RCR) which is calculated based on PPA wise quantum (MW) and corresponding energy charge (Rs./kWh) (under section 63 & 62 of EA, 2003) for period Dec'22 to April'23.
- 3. Sub sheet - "Energy charge with Ex- sale": - It comprises of weighted average energy cost (Rs. /kWh) based on energy charges of PPAs (under section 63 & 62) and actual

exchange bilateral sale. Calculated energy cost (Rs. /kWh) is linked with applicable Reference Charge Rate (Rs. /kWh) of sub sheet no. 1 i.e., "Reconciliation day wise cal". For your reference, Price of exchange bilateral sale is calculated as (Ex-bus revenue on the day / Ex-bus quantum in MUs).

Further, excel working (**Annexure B12**) of Day-wise & block-wise deviation charges based on applicable "weighted average energy cost (Rs. /kWh)" of GMRKEL is also attached herewith for your kind perusal.

GMR may update. Members may discuss.

Deliberation in the meeting

GMRKEL representative informed that during the above period they have not furnished the contract rate of power sold to TANGEDCO and requested for revision of DSM Account by considering contract rate of Power sold to TANGEDCO.

ERPC secretariat representative informed that they will revise the DSM Account of GMRKEL for the above period if required as per DSM regulation 2022.

ITEM NO. B.13: Requirement of Blockwise data related to Transmission Deviation Charges i.r.o. of West Bengal from January 2016 for computation of sharing of Transmission Deviation Charges levied on West-Bengal among all intra-state utilities in the State of West Bengal.

Transmission Deviation charges are required to be paid for any deviation to the transmission capacities booked with the ISTS (Inter State Transmission System) in a particular time block. Any over-drawal by a drawee entity of the state and/ or any under-injection by an injecting entity within the state in a particular time block causes deviation in state's overall drawal from the ISTS. When such deviation goes beyond the total contracted capacity of the state, Transmission Deviation charge become applicable.

Hon'ble WBERC has issued an order dated 19.06.2023 (IN CASE NO. OA-271/17-18) for apportionment of transmission deviation charges amongst all the intra-state entities connected to the STU system viz. InSGS, Distribution Licensees and Open Access due to over-drawal of West Bengal as a State at CTU- STU interface for a particular time block. As per the order SLDC, WB has to compute the ratio of sharing amongst all the intra-state entities of West Bengal by taking the required data from the Eastern Regional Power Committee (ERPC) and inform all the intra state entities and STU, the amount of Transmission Deviation Charges to be paid on monthly basis.

In view of the above, Eastern Regional Power Committee (ERPC) is requested to share block-wise data related to Transmission Deviation charges i.r.o. West Bengal from January, 2016.

Deliberation in the meeting

ERPC Secretariat representative informed that they will provide readily available Blockwise RTDA Account data of West Bengal shortly.

ITEM NO. B.14: Statement of Reconciliation between WBSEDCL and Department of Energy & Power, Sikkim for outstanding dues as on 30.06.2023.

The Energy and Power Dept., Govt. of Sikkim has an agreement with Govt. of W.B. through the then WBSEB now WBSEDCL, for purchase of power at a tariff which is at the generation cost of Rammam Hydel Project of WBSEDCL. WBSEDCL also purchase power from Govt. of Sikkim at a consumer mode. The quantum of power sale by WBSEDCL is considerably higher than the power purchase from Govt. of Sikkim whereas the tariff rate of WBSEDCL sale is considerably very low in comparison (Rs.1.28/KWH) to the tariff of power purchase (Rs.5.50/KWH) by WBSEDCL from Govt. of Sikkim.

The Govt. of Sikkim has been drawing power from WBSEDCL on regular basis but reluctant to pay the bill within due time. As a result, the outstanding dues from Govt. of Sikkim stands Rs.87.21 Cr.(including LPSC) up to the consumption month of Jun , 2023. On the contrary, WBSEDCL used to pay Govt. of Sikkim, their dues within due date since long but without having any alternative and no response from the Govt. of Sikkim started adjusting the power purchase bill with the outstanding dues from Mar, 2017 to till date. As a result, the net due from Govt. of Sikkim now stands for Rs .87.21 CR. after all adjustments. The Govt. of SIKKIM made only payment of Rs. 66 lakhs on 14.03.2022 during all these years.

The evidence in support of the claim of WBSEDCL is duly annexed with this agenda where it shows the detail calculation of outstanding dues, some of the correspondences out of many with Govt. of Sikkim regarding realization huge number outstanding dues.

WBSEDCL, raised their concern during the 42nd Commercial Sub- Committee meeting on 25-02-2020 but nothing was found fruitful. Finding no other remedy to realize the dues from Govt. of Sikkim and as the matter is now reached an alarming state, once again making an appeal before the Hon'ble ERPC to intervene into the matter as Govt. of Sikkim as well as WBSEDCL both are constituent members of ERPC.

WBSEDCL may update. Sikkim may explain.

Deliberation in the meeting

West Bengal representative informed that Sikkim is not paying outstanding dues since long time.

Sikkim representative informed that the proposal for payment has been placed before the Government of Sikkim and she assured to make the partial payment by August-2023.

ITEM NO. B.15: Agenda by ERLDC.

A. Default details of constituents pertaining to Deviation, Reactive, Fees and Charges.

The details of major defaulters as on 24.07.2023 considering the ERPC bills dated 13/07/23 (Wk- 26/06/23 to 02/07/23) for DSM charges and Reactive charges are tabulated below-

Jharkhand:

	JBVNL
DSM (in Cr)	₹ 22.72 Cr /-
Reactive (in Cr)	-
LC	LC Partially opened of ₹ 1.39 Cr.
Due date of expiry of LC	14/03/2024
Reconciliation	DSM: Pending from Q2 of FY 2020-21 Reactive: Pending from Q1 of FY 2019-20 FnC: Pending from Q1 of FY 2021-22

Sikkim:

	Sikkim
DSM (in Cr)	₹ 23.85 Cr /-
Reactive (in Cr)	-
Fees and Charges	₹ 8.63 Lakhs /-
LC	No Valid LC
Due date of expiry of LC	NA
Reconciliation	DSM: Pending from Q2 of FY 2019-20 Reactive: Pending from Q1 of FY 2019-20 FnC: Pending from Q1 of FY 2021-22

Further, the details of other pool members are enclosed as **Annexure-B15.1** and **Annexure-B15.2**.

JBVNL & SIKKIM may confirm the program for payment of outstanding dues.

Deliberation in the meeting

Sikkim representative informed that by August-2023, all the outstanding dues will be cleared.

B. Interest due to delayed payment of deviation charges/RRAS

Due to the delayed payment of deviation charges in the DSM Pool interest was computed for all the DSM Pool Members for FY 2020-21. The current outstanding of OPGC is **₹ 0.24 lakhs**. The status of interest is enclosed in **Annexure-B15.3**.

OPGC may update the status of the same.

Deliberation in the meeting

CCM advised all the concerned utilities to clear their outstanding dues at the earliest.

C. Opening of LC by ER Constituents for DSM Payments.

The details of LC amount required to be opened, as per ERLDC letter dated 21/04/2023, for default in FY 2022-23 by ER constituents is given in table below -

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SI No	ER Constituents	LC Amount (110% of Average weekly Deviation Charge liability)	Due date of expiry	Remarks
1	BSPTCL	404.55551	12-11-2023	LC opened for ₹ 213,53,049 /-
2	JUVNL	347.61817	14-03-2024	LC opened for ₹ 139,64,455 /-
3	DVC	265.67154	-	No Valid LC
4	Sikkim	46.0397	-	No Valid LC
5	APNRL	25.95437	-	No Valid LC
6	CHUZACHEN	2.46842	-	No Valid LC
7	GMR	20.05681	-	No Valid LC
8	JITPL	30.09467	-	No Valid LC
9	JLHEP	25.22302	-	No Valid LC
10	BRBCL	36.77389	-	No Valid LC
11	Dikchu	3.92202	01-08-2023	LC opened for ₹ 174,484 /-
12	Tashiding	8.3789	-	No Valid LC

Further, the details of other pool members are enclosed as Annexure-B15.4.

Deliberation in the meeting

CCM advised all the concerned utilities to open their requisite amount of LC at the earliest.

D. Status of PSDF.

An amount of total ₹ 117.09 Cr (DSM: 100.79 Cr, Reactive: 16.23 Cr) from the Deviation and Reactive Pool account has been transferred to PSDF after the 48th Commercial sub-committee meeting held on 14.03.2023. With this the total amount of ₹ 2181.71 Cr has been transferred to PSDF so far. The breakup details of fund transferred to PSDF (till 05.07.23) is enclosed in Annexure B15.5.

This is for information to the members.

Deliberation in the meeting

Members noted.

E. Reconciliation of Pool Accounts.

The reconciliation statements of DSM, Reactive, RRAS, AGC and SRAS charges are being issued by ERLDC on quarterly basis and statements are being sent to the respective constituents and also being uploaded at ERLDC website at <https://erldc.in/market-operation/dsmreconciliation/>. The status of reconciliation as on 25.07.2023 is enclosed in **Annexure-B15.6 and 15.7.**

Constituents are requested to take necessary action for the signing of pending reconciliation statements.

Deliberation in the meeting

CCM advised all the constituents to sign the reconciliation statement at the earliest.

F. Short term Open Access.

1. For STOA Payments made to SLDC/STU and CTU.

The reconciliation statements of STOA payments of Q-4 for FY 22-23 have been sent to the DVC, OPTCL, BSPTCL, Jharkhand, Andhra Pradesh, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Uttar Pradesh, Telangana, WBSETCL and CTU on dated 18.04.2023 and also uploaded the same at ERLDC website at <https://erldc.in/open-access/reconciliation-sl原因-stu/>. The constituents were requested to verify /check the same & comment (if any) to ERLDC at the earliest.

The status of reconciliation is enclosed in **Annexure- B15.8.**

Constituents are requested to update the status of reconciliation.

Deliberation in the meeting

CCM advised all the constituents to sign the reconciliation statement at the earliest.

2. For Payments made to STOA Applicants.

The reconciliation statements of STOA payments for the period of Q4 for FY 22-23 have been sent to the JBVNL, JITPL , APPCPL, DALMIA CEMENT (BHARAT) LIMITED (RCW) , HPX, IEXL, IPCL, NALCO(AP), NALCO(OD), KEIPL, PXIL, SPTPL and TPTCL on dated 18.04.2023 and also uploaded the same at ERLDC website at <https://erldc.in/open-access/reconciliation-applicant/>. The constituents were requested to verify /check the same & comment (if any) to ERLDC at the earliest.

The status of reconciliation is enclosed in **Annexure-B15.8.**

Constituents are requested to update the status of reconciliation.

Deliberation in the meeting

CCM advised all the constituents to sign the reconciliation statement at the earliest.

G. Fees and charges of ERLDC.

The reconciliation statements of FnC payments by registered users of ERLDC have been sent up to the period of Q4 of FY 2022-23. The same is also available at FnC portal <https://fc.posoco.in/FnCWeb/#/landing>. Many of the users are yet to sign the reconciliation statement. The constituents were requested to verify /check the same & comment (if any) to ERLDC at the earliest.

The status of reconciliation is enclosed in **Annexure- B15.9**.

Constituents are requested to update the status of reconciliation.

Deliberation in the meeting

CCM advised all the constituents to sign the reconciliation statement at the earliest.

H. Resolution of NCLT of Deviation Charges by IBEUL:

Ind-Barath Energy (Utkal) Ltd (IBEUL) was a persistent defaulter against the payment of the deviation charges and also failed to open the Letter of Credit (LC) for default in payment of deviation charges, violating Regulation 10(4) of the DSM Regulation. The matter was discussed in various Commercial Sub-Committee meetings (CCM) at ERPC. In the 43rd CCM dated 21.09.2020, it was noted that the final principal outstanding of ₹ 112.50429 lakh and interest calculated up to 29.05.2019 is of ₹ 26.67585 lakh i.e., total ₹ 139.18014 lakh.

A petition in CERC had been filed in July 2018 by ERLDC against M/s IBEUL for outstanding dues pertaining to DSM & ERLDC Fees & Charges. Hon'ble Commission directed in order against petition no. 230/MP/2018 dated 16.04.2019 that the Petitioner (ERLDC) is at liberty to approach NCLT (National Company Law Tribunal) for appropriate directions in accordance with the law. Further, ERLDC filed a claim in NCLT on 31.05.2019 through Interim Resolution Professional/ Resolution Professional i.e., Ms. Sumedha Management Solutions Private Limited and the same is admitted by NCLT.

Hon'ble National Company Law Tribunal, Hyderabad Bench, vide its order dated July 25, 2022 had, inter alia, approved the resolution plan submitted by JSW Energy Ltd. in the corporate insolvency resolution process of Ind-Barath Energy (Utkal) Limited ("IBEUL").

On dated 29.12.2022 two amounts were credited in ERLDC establishment account, one is against ERLDC Fees & Charges outstanding and the other is against the DSM charges. Amount of ₹ 349096.89 as mentioned in the table pertains to the DSM charges.

The details of the statement is tabulated below-

Date (Value Date)	Narration	Debit	Credit
29-Dec-2022 (29-Dec-2022)	BY TRANSFER NEFT*ICIC0000105*ICIJ223630001133 *INDBARATH ENERGY		1,54,897.96
29-Dec-2022 (29-Dec-2022)	BY TRANSFER RTGS UTR NO: ICICR42022122900102439 INDBARATH ENERGY UTKAL LIMITED CIRP		3,49,096.89

The amount of Rupees 349096.89 received against DSM outstanding in the ERLDC establishment account is to be transferred to the ER Deviation and Ancillary Services Pool account. The balance/un-settled amount of Rupees 135.689 lakhs may be write-off.

Members may discuss.

Deliberation in the meeting

ERLDC representative informed that they have received an amount of Rs 349096.89 against total DSM outstanding of Rs 139.17996 lakhs of Ind-Barath in the ERLDC establishment account and same needs to be transferred to the ER Deviation and Ancillary Services Pool account. He also suggested that the balance/un-settled amount of Rupees 135.689 lakhs may be written-off.

After detailed deliberation, CCM agreed that amount of Rs 349096.89 against DSM outstanding in the ERLDC establishment account may be transferred to the ER Deviation and Ancillary Services Pool account at the earliest. Further for waiver off of outstanding DSM dues of Rs 135.689 lakhs, CCM referred the issue to ERPC for guidance.

ITEM NO. B.16: Agenda by CTU/Powergrid

A. Non-Opening of requisite amount of LC:

- (i) Following constituents are required to enhance/ extend LC towards Payment Security Mechanism, as per Annexure-8 of 8.2 of Para 8.0 of BCD Procedure and CERC Regulations:

SI No	Name of DIC's	Required Value of LC (in Cr.)	Present Value of LC (in Cr.)
(i)	North Bihar Power Distribution Company Limited (NBPDC)	79.99	9.73
(ii)	South Bihar Power Distribution Company Limited (SBPDCL)	93.91	15.27

(iii)	Jharkhand Bidyut Vitran Nigam Ltd (JBVNL)	28.49	11.52
(iv)	Sikkim	3.33	--

- Letter of Credit (LC) to be opened in favour of **CTUIL for POC & POWERGRID** towards **Non-POC** Billing.

Deliberation in the meeting

CCM advised all the concerned utilities to open their requisite amount of LC at the earliest.

B. Payment of Outstanding dues more than 45 days:

SI No	Name of DIC's	Total Outstanding Dues (in Cr.)	Outstanding Dues more than 45 days (in Cr.)
(i)	Jharkhand Bijli Vitran Nigam Limited (JBVNL)	97.01	67.54
(ii)	South Bihar Power Distribution Company Limited (SBPDCL)	200.17	102.82
(iii)	North Bihar Power Distribution Company Limited (NBPDCCL)	170.52	87.58
(iv)	West Bengal State Electricity Transmission Company Ltd. (WBSETCL)	28.08	27.91
(v)	West Bengal State Electricity Distribution Company Ltd. (WBSEDCL)	85.83	9.76
(vi)	Odisha Power Generation Company Limited (OPGCL)	10.96	10.96
(vi)	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	36.04	35.05
	Total	628.61	341.62

Deliberation in the meeting

CCM advised all the concerned utilities to clear their outstanding dues at the earliest.

C. Non-payment of RTDA bills:

The following DIC's are not paying RTDA bills:

SI No	Name of DIC's	Outstanding dues	Remarks
(i)	West Bengal State Electricity Distribution Company Ltd. (WBSEDCL)	9.76 Cr.	Outstanding dues of INR 1.20 Cr. pending for long period, INR 2.91 Cr. (bill dtd. 09.12.2022) & INR 5.65 Cr. (bill dtd. 10.05.2023) against RTDA bills are still pending with WBSEDCL despite of several follow up regarding this.

Deliberation in the meeting

CCM advised all the concerned utilities to clear their outstanding dues at the earliest.

ITEM NO. B.17: Agenda by Powergrid ER-II.

1. Provisioning of Switchable feature in upcoming Kahalgaon-I LR at Maithon S/s.

400 KV Maithon-Kahalgaon#1 Lines along with 50 MVAR line Reactors were commissioned in 1993. The above line reactor is in service since last 30 years. However, subject line reactor is going to be replaced under Eastern Region Expansion Scheme-XXXI. Installation of new 63MVAR Line Reactor on Kahalgaon Ckt#1 along with new 500 Ω NGR in place of existing 50MVAR Line Reactor at Maithon will be done under Eastern Region Expansion Scheme-XXXI.

Above line reactor is non-switchable reactor. This reactor cannot be switched without switching of 400 KV Kahalgaon#1 line which is an important line as it is connected to Kahalgaon generating station. Under Eastern Region Expansion Scheme-XXXI capacity of said line reactor enhanced from 50 MVAR to 63 MVAR, based on study by CTU and subsequent discussion in CMETS.

However, non-switchable Reactors generally comes with typical problem of voltage stress and many cases were earlier reported for failure due to stress. Moreover, if the Reactor taken as a switchable one then Grid operator also has the flexibility to open/Close based upon actual Grid conditions.

Add to it, any non-switchable line reactor required line S/D for maintenance of LR also, which may be avoided in case it is made switchable.

Required space is available for installation of circuit breaker for conversion of non-switchable line reactor to switchable line reactor and the same can be implemented without major change in other equipment's layout.

In view of above, it is proposed, for consideration, for conversion of subject LR from Non-Switchable to Switchable under same scheme at Maithon SS. Necessary SLD/Lay Out attached for reference.

Members may discuss.

Deliberation in the meeting

Powergrid representative explained that non-switchable Reactors generally comes with typical problem of voltage stress and many cases were earlier reported for failure due to stress. Moreover, if the Reactor taken as a switchable one then Grid operator also has the flexibility to open/Close based upon actual Grid conditions. Further, he requested for provisioning of Switchable feature in upcoming Kahalgaon-I LR at Maithon S/s.

After detailed deliberation, CCM approved the proposal for provisioning of Switchable feature in upcoming Kahalgaon-I LR at Maithon S/s and referred the issue to upcoming TCC/ERPC meeting for further approval.

2. Cost recovery against AMR expenditure/SEM related costs in ER-II from 01.03.2019 to 15.07.2023 for various phases of implementation and associated activities pertaining to Software/Hardware refreshment and upgradation of AMR.

POWERGRID is entrusted for implementation and subsequent maintenance/troubleshooting of AMR system in entire Eastern Region. For implementation of various phases of AMR and further H/W software refreshment program and migration from GPRS to LAN as per cyber security guidelines, multiple LOAs placed by POWERGRID. On 19.06.2023, updated AMR system with Software/Hardware refreshment, done completely with all necessary cyber security compliances. Moreover, now all concerned sites are connected with LAN only which is as per cyber security guideline.

For conversion of old architecture to new model along with, AMC of in-built system and associated structure/Software's, with cost for GPRS communication certain amount of expenditure incurred for the time frame given.

As POWERGRID has already incurred the expenditures or provisioned for subject heads (LOA placed and liability created), entire amounts to be recovered for budget balancing.

Details of expenditures done in phased manner are given below: -

SL NO	PROJECT NAME	LOA/PO Details	Cost Involve ment	Remarks
01	AMR Phase 1 & 2 (Balance amount from 01.03.19 to	ER-II/ KOL/ C&N/I-582/P-747/870/3676 Dated: 06-Nov-2012 /ER-II/ KOL/C&N/P-747/ AMEND-	21,77,392/-	Already earlier consumed value approved in 40 th CCM &

	30.06.20)	IV/748/ 2425 Dated: 02-Sep-2014 (SAP PO-9000007968 & 5200022239).		30 th ERPC (From Initial to 28.02.2019). Balance amount claimed now.
02.	AMR Phase-3 (Balance amount from 01.03.19 to 30.06.22)	ER-II/KOL/CS/I-1358/P-1398 Dated: 27-Oct-2016. ER-II/KOL/CS/I-1358/P-1398/AMEND-III/442. Dated: 10-Jul-2018 (SAP PO-5100014415).	39,87,747/-	
03.	AMR Phase-4 (From 01.07.20 to 31.03.22). All supply/Erection cost included but AMC as per original LOA & QV excluded.	ER-II/KOL/CS/I-2446/P-2420/1929 Dated: 20-Jul-2020. ER-II/KOL/CS/I-2446/P-2420/AMEND-II/4374 Dated: 05-Jul-2021/ER-II/KOL /CS/I-2446/P-2420/AMEND-III /6493 Dated: 07-Jun-2022 (SAP PO-5100032889).	1,30,19,265/-	Approved in 153 rd OCC & 39 th ERPC meeting.
04.	AMR Phase-1&2 AMC renewal (From 01.04.2021 to 30.06.2023)	ER-II/KOL/CS/I-2724/P-2702/4285 Dated: 02-Jun-2021 (SAP PO-5100035446).	2,56,33,881/-	Approved in 170 th OCC, 44 th CCM, 43 rd ERPC.
05	AMR Data Centre	ER-II/KOL/CS/I-3370/P-	2,13,31,	191 th OCC &

.	HWSW Refreshment (Full PO).	3289/6577 dated 24.06.2022 (SAP PO-5100041788).	973/-	46 th ERPC.
06.	AMR LAN Integration work (From 01.09.2022 to 30.06.2023).	ER-II/KOL/CS/I-3499/P-3414/6841 dated 01.09.2022 (SAP PO-5100043386).	27,40,552/-	190 th OCC, 46 th CCM.
07.	AMR Phase-3 AMC renewal for 249 SEM (01.09.22 to 30.06.2023)	ER2/NT/S-AMC /DOM /E00/22 /00692/ 1000000986/I-3645/P-3556 /8045 Dated 29.12.2022 (SAP PO-5200059035)	27,21,270/-	195 th OCC, 47 th ERPC.
08.	Transportation of Special Energy Meter to Binaguri for various constituents (Full PO)	SAP PO-4800017144	23,000/-	As per requirement and discussion with ERLDC/ ERPC.
09.	Mobile data for AMR	SAP PO-5200033984	1,44,997/-	For AMR data transmission through GPRS.
10.	Mobile data for AMR	SAP PO-5200037273	1,91,054/-	
11.	Mobile data for AMR	SAP PO-5200054713	2,57,832/-	
1	Mobile	SAP PO-	2,05,72	

2 . .	data for AMR	5200054715	4/-	
1 3 .	TOTAL		7,24,34, 687/-	
1 4 .	CONSULA TNCY FEES	@15% ON SUB-TOTAL	1,08,65, 203/-	
1 5 .	GST ON CONSULT ANCY FEES	@18% ON CONSULTANC Y	19,55,7 37/-	
1 6 .	GRAND TOTAL		8,52,55, 626/-	

As per above list, total **Rs. 8,52,55,626/- (Rs. Eight crore fifty two lacs fifty five thousand six hundred twenty six only)** required to be recovered from ER constituents against expenditure done till 15.07.2023.

It is proposed to approve the recovery amount and recovery may be done from concerned beneficiaries (DIC's) w.r.t RTA billing for the month of August-2023.

Members may approve please.

Deliberation in the meeting

After detailed deliberation, CCM advised the following to Powergrid:

- 1. To submit package wise details in respect of total cost, cost recovered if any and methodology of cost sharing.***
- 2. To revisit its claim of consultancy charges against various packages.***
- 3. To submit a comprehensive proposal along with all the details for consideration in the upcoming TCC/ERPC meetings.***

3. Completion of AMR Hardware/Software refreshment Programme in ER.

On 191st OCC & 46th ERPC, forum has agreed for the proposal of Software/Hardware refreshment Programme of existing AMR system in ERLDC. On 19.06.2023, the new architecture after many trials are made Go-Live and thus the package is completed in all respect as committed in given timeline as per 200th OCC meeting.

Members may note please.

Deliberation in the meeting

Members Noted.

ITEM NO. B.18: Agenda by Powergrid ER-I.

400/220 kV Biharsharif and 400/220 kV Jamshedpur sub-stations were commissioned in 1991 under Kahalgaon Transmission projects. Both said sub-stations are most critically important for smooth and reliable supply to the downstream transmission lines as well as for smooth evacuation of power from important generating plants of Eastern Region. It is to mention that under ADDCAP tariff block 2019-24 works e.g. replacement of CB, Isolator, FF renovation, AC renovation switchyard PCC have been carried out. However, some works which have not been taken up in previous ADDCAP block, but now important are to be carried out for smooth functioning of sub-stations such as complete renovation of control and protection system.

In addition to the above, replacement of 15 nos. BHEL make 420 kV CBs on ground of obsolescence and discontinuation of spares as well as service support from OEM at Muzaffarpur ss is also envisaged.

1. Retrofitting of 15 nos. BHEL make 420 kV CB installed at 400/220 kV Muzaffarpur ss.

400/220 kV Muzaffarpur sub-station was constructed in the year 2006. Following assets were commissioned under initial construction project:

Sr. No	Asset Detail	Year of Commissioning
1	400 kV Muzaffarpur-New Purnea D/C line along with L/R	2006
2	400 kV Muzaffarpur-Gorakhpur D/C line along with L/R	2006
3	400 kV Muzaffarpur-Biharsharif D/C line	2006
4	400/220 kV, 315 MVA ICT-I & II	2006
5	400kV, 63 MVAR Bus Reactor-I	2006

BHEL make CBs are used in the bay of 400 KV Muzaffarpur-Gorakhpur D/C lines, 400 KV Muzaffarpur-New Purnea D/C line, 400/220 kV 315 MVA ICT-I & II and 63 MVAR Bus Reactor-I.

In total ,15 nos. BHEL make CBs (08 nos. PIR type and 07 nos. without PIR type) installed in 2006 at Muzaffarpur ss.

The said BHEL make CBs are having hydraulic type operating mechanism. In BHEL make CB, there is chronic issue of accumulator failure, leakage from pilot valve, drift in open & close time. In recent days, issues in main and arching contacts have also been observed during routine maintenance.

To attend the above-mentioned issues, the BHEL make CB needs frequent maintenance
Minutes of 49th CCM

for reliable operation of the circuit breaker. Till now, it is being maintained by spare and service support of M/s BHEL.

In past few years we, had witnessed three Bus tripping at Muzaffarpur ss due to non-operation / delay operation of BHEL make CBs.

Further, it to mention that we have been facing difficulties in maintaining CBs for a long time due to a delay in service support as well as the long delivery time (approx. 24 months) for the supply of spares.

Now, M/s BHEL has completely stopped manufacturing and supplying switchgear spares for all three models (125 kV, 245 kV & 42 kV) of SF6 Circuit Breakers (Communication mail enclosed).

Keeping in view of above, the installed 15 nos. BHEL make CBs needs to be replaced on priority though it has completed 17 years of service life only for reliability and stability of the grid.

Total estimated cost for replacement of 15 nos. BHEL make CB will come to Rs.7.81 Cr (Approx).

Thus, it is proposed to grant in-principle approval from OCC/ERPC for replacement of 15 nos.

BHEL CBs at Muzaffarpur ss under add-cap (tariff block 2024-29) on ground of obsolescence of equipment.

Deliberation in the meeting

After deliberation, CCM agreed and referred to upcoming TCC/ERPC for approval.

2. Renovation of control room of 400/220 kV Biharsharif ss and 400/220 kV Jamshedpur ss.

Both 400/220 kV Biharsharif and 400/220 kV Jamshedpur ss were constructed in the year of 1991 under Kahalgaon Transmission Projects. During course of operation, many transmission assets (Transmission line, Transformer, Reactors) are added to the system under various projects.

Assets details of both sub-stations are as below.

Jamshedpur ss:

- 1) 02 Nos of 400 kV Main Bus
- 2) 26 nos. of 400 KV bays

- 3) 03 nos. of 400/220/33KV 315 MVA ICT
- 4) 03 nos. of Bus Reactor i.e. 50 MVAR B/R-1, 125MVAR B/R-2, 125 MVAR B/R-3

Assets completing/completed 25 years' service life:

Sl. No.	Name of Bay/Line/ICT	Make	DOCO
1	400/220/33KV 315MVA ICT 1	BHEL	03.08.1993
2	400/220/33KV 315MVA ICT 2	BHEL	29.12.1993
3	400KV 16.7 X 3 MVAR BUS REACTOR - 1	CGL	30.07.1993
4	400KV Chaibasa Line -2		17.02.2002
5	415V MSB & ACDB		30.07.1993
6	220V DCDB		30.07.1993

Biharsharif ss:

- 1) 04 Nos of 400 kV Main bus with 02 nos. of Bus Sectionalizer
- 2) 46 nos. of 400 KV bays
- 3) 03 nos. of 315 MVA ICT & 01 no. 500 MVA ICT
- 4) 04 nos. of Bus Reactor i.e 50 MVAR B/R-1, 80MVAR B/R-2, 125 MVAR B/R-3 & 4
- 5) 05 nos. of Line Reactor i.e 50 MVAR LKS-2, 50 MVAR VNS-1, 50 MVAR VNS-2, 80 MVAR PRN-1, 80 MVAR PRN-2

Assets completing/completed 25 years' service life:

Sl. No.	Name of Bay/Line/ICT	Make	DOCO
1	50MVAR SAS-1 LINE REACTOR	CGL	09.08.1991
2	50MVAR LKS-2 LINE REACTOR	CGL	07.12.1991
3	50MVAR BUS REACTOR-1	CGL	24.09.1992
4	315MVA ICT-2	BHEL	14.07.1992
5	BSF-LKS LINE-1	-	23.10.1992
6	BSF-LKS LINE-2	-	09.08.1991
7	BSF-SAS LINE-1	-	01.08.2002
8	BSF-SAS LINE-2	-	24.11.2002

Further, additional assets under various projects had been added since commissioning, which cause the suppression of old cables to the beneath of cable trench. Furthermore, due to ageing of cables, faults in cable are being observed on regular basis which leads to unwarranted tripping of transmission elements and damages healthy cables also. Further, it is to mention that cables trenches are full of cables and therefore identification of fault and laying of new cable is very difficult.

Further, it is pertinent to mention that the existing sub-station is of conventional type and

old electromechanical relays are used for protection system. And therefore, lots of upgradation and modification in existing C&R panels and switchyard equipment are being carried out which involves laying of extra cables from switchyard to control room as well as inter panel cabling but due to space constraints in cable vault room, now it is almost impossible to place new cable.

Keeping in view of above constraints, a small new panel room has been constructed for newly commissioned ICT at Biharsharif ss and KIOSK was proposed for upcoming 125 MVAR Bus Reactor.

In view of above, it is proposed for construction of KIOSK for bays which have completed 30 years of service life at Jamshedpur and Biharsharif ss to mitigate the above-mentioned issues and to avoid any major outage of sub-station due to fire /faults in aged cables. Accordingly, an exercise has been carried out to arrive cost for construction of 05 nos. KIOSK in each sub-station. Total estimated cost for conversion of existing system to KIOSK system will come to Rs. 10.0 Cr (approx) for each sub-station.

Proposed for in-principle approval from OCC/ERPC for conversion of exiting conventional system to SAS system along with construction of KIOSK, Power & control cables and electro mechanical relays etc.

In the 204th OCC meeting, Powergrid ER-I representative delivered a detailed presentation on present unhealthy condition of hydraulic circuit breakers at 400/220 KV Muzaffarpur S/S, whose maloperation or delayed operation was responsible for frequent bus tripping at the substation. Powergrid ER-I representative also submitted that adequate OEM support is also not available for maintaining these CBs in healthy condition as manufacturing of these old model CBs is discontinued. This presentation also included details of conventional cable trenches posing inconvenience in day-to-day operation as well as dilapidated condition of control rooms at 400/220 KV Biharsarif S/s and 400/220 KV Jamshedpur S/S , whose old control panels need immediate replacement. Assessing the merit of the proposal, OCC gave in-principle approval of various modernization works at 400/220 KV Muzaffarpur S/S, 400/220 KV Biharsarif S/s and 400/220 KV Jamshedpur S/S.

OCC referred the agenda to upcoming Commercial sub-committee meeting for deliberation on financial aspects.

Powergrid may update. Members may discuss.

Deliberation in the meeting

After deliberation, CCM advised Powergrid to submit item wise proposal along with the cost estimates in the upcoming TCC/ERPC.

ITEM NO. B.19: Approval for early commissioning of 220/132 KV, 160 MVA capacity spare ICT at Baripada S/s under provision of spare ICTs in Eastern Region – Powergrid Odisha.

1. PROJECT DETAILS:

- a. Investment Approval (IA) Date: 04.10.2021
- b. Commissioning Schedule (as per IA): 24 months from the date of IA
- c. Project Scope: Procurement of 05 nos Transformer as regional spare for Eastern Region are as per details given below.

Voltage Rating	MVA capacity	Substation Name
400/220kV	500	Pusauli SS
400/220kV	500	Pandiabili SS
400/220kV	500	Maithon SS
220/132kV	160	Daltonganj SS
220/132kV	160	Baripada SS

Copy of Investment approval attached is enclosed as **Annexure-B19**

2. AWARD DETAILS:

- a. NOA placed on M/s Toshiba Transmission and Distribution Systems (India) Pvt. Ltd. on 15.11.2021 with completion schedule of 18 (eighteen months) from the date of issue of Notification of Award. Thus, contractual completion schedule is 15.05.2023.

(NOA Ref No: CC-CS/1087-ER1/TR-4256/3/G5/NOA-I/ER1-250005, Dtd.15.11.2021)

Copy of NOA is enclosed as **Annexure – B19**

3. PRESENT STATUS:

After completion of Supply and erection activity, commissioning of one no 160MVA capacity, 220/132kV spare Transformer at POWERGRID Baripada substation has been done on dated 31.03.2023. Notification of DOCO Declaration dtd. 31.03.2023 is enclosed as **Annexure-B19**

4. SUBMISSION:

Considering the time-essence of the contract, POWERGRID has put all best efforts and has been able to commission Baripada Spare ICT on 31.03.2023, which is six months ahead of commissioning schedule (i.e. 4th October 2023) as per investment approval. After successful commissioning of this 160 MVA spare ICT at POWERGRID Baripada Substation, regional security of Eastern Region has enhanced.

It is to be appreciated that POWERGRID is keen on exploring the best possibilities and always striving hard for successful commissioning of transmission elements within approved timeline for the betterment of regional as well as national transmission system. Following the trend, 160 MVA spare ICT at Baripada was also commissioned ahead of schedule. Considering above, DOCO of 160 MVA spare ICT at POWERGRID Baripada Substation may be approved as 31.03.2023.

Powergrid Odisha may update.

Deliberation in the meeting

Members noted.

ITEM NO. B.20: Declaration of Peak Seasons for Hydro-Generating Stations of ER for calculation of RTDA accounts for the FY 2023-24 – ERPC.

As per the minutes of 3rd meeting of CERC with RPCs and further in line with the discussions of the 45th CCM meetings, the high inflow season for hydro generating stations is to be concluded in the OCC meetings as per the formulations provided in the 2019 Tariff Regulations.

Subsequently, as per the minutes of 190th OCC meeting, it was decided that the months in which spillage was there on daily basis throughout the complete months for last 3 years submitted data, the corresponding months would be taken as high-inflow period.

Further in case of partial spillage during a month, high inflow month would be considered in case the spillage is more than 15 days during the month according to the last 3 years submitted data.

Based on the spillage data received for the last 3 years and the preliminary study done, the inflow period for the respective hydro stations for the years 2023-24 is mentioned below.

Hydro Station	High inflow period	Duration
Teesta-V	June, July, August , September	04 months
Rangit	June, July, August, September, October	05 months
Jorethang	June, July, August, September	04 months
Tashiding	July, August	02 month
Dikchu	June, July, August, September	04 months
Chuzachen	June, July, August	03 months
Teesta-III	June, July, August, September	04 months
Rongnichhu	June, July, August, September	04 months

Members may approve.

Deliberation in the meeting

After detailed deleberation, CCM approved the high inflow period for Hydro Generating staion of eastern Region for RTDA Calculation for the F.Y. 2023-24 as mentioned in above table.

ITEM NO. B.21: Methodology for calculating commercial exbus and AG (Actual Generation) of NTPC Barh Stage-I & II after COD of U#2 of BARH Stage-1

Existing methodology for calculating net injection of both stages of BARH as approved in the 45th TCC meeting :

1. Net Exbus NTPC Barh: Sum of (KH-1, KH-2, PAT-1, PAT-2, PAT-3, PAT-4, MOT1, MOT-2) 2. Infirm Power Unit-2: $\text{Abs}(\text{GT\#2}) - \text{ST\#2}$
3. Commercial Exbus NTPC Barh: Sum of (S.N. 1 & S.N. 2)
4. Stage-I AG: $[\text{Abs}(\text{GT\#1}) - \text{ST\#1} - \text{ST\#3}] + (\text{GT\#1}/(\text{GT\#1} + \text{GT\#4} + \text{GT\#5})) * \text{ST\#2}$
5. Stage-II AG: $(\text{S.N. 1} - \text{Abs}(\text{GT\#2})) - [\text{Abs}(\text{GT\#1}) - \text{ST\#1} - \text{ST\#3}] + ((\text{GT\#4} + \text{GT\#5})/(\text{GT\#1} + \text{GT\#4} + \text{GT\#5})) * \text{ST\#2}$

Methodology for calculating net injection of both stages of BARH after COD of U#2 of BARH Stage-1 will be as follows:-

1. Net Exbus NTPC Barh: Sum of (KH-1, KH-2, PAT-1, PAT-2, PAT-3, PAT-4, MOT-1, MOT-2)
2. Infirm Power Unit-3: $\text{Abs}(\text{GT\#3}) - \text{ST\#3}$
3. Commercial Exbus NTPC Barh: S.N.(1)- S.N.(2)
4. Stage-I AG: $\text{Abs}(\text{GT\#1}) + \text{Abs}(\text{GT\#2}) - \text{ST\#1} - \text{ST\#2}$
5. Stage-II AG: S.N.(3)-S.N.(4)

NTPC may expain. Members may note.

Deliberation in the meeting

NTPC representative infomed that NTPC has declared the CoD of U#2 of BARH Stage-I wef 01.08.202. Further, he informed that after CoD of U#2 the methodology for segregation of Actual energy of BARH will be changed.

After detailed deleberation, CCM advised NTPC to sit with ERPC Secretariat officers and ERLDC for finalization of methodology for segregation of actual energy among Barh Stage-I & II.

PART C: ITEMS FOR INFORMATION

ITEM NO. C.1: List of Assets during March'23 to June'23 of Eastern Region (ER).

Under the project "Provision of spare ICTs in Eastern Region", procurement of following transformers as regional spare for Eastern Region, were under the scope of work:

400KV

- i) 500MVA, 400/220kV 3-phase Auto Transformer as regional spare for Bihar, Odisha & West Bengal (one in each state): 3 nos.
- a) 1 No. 500MVA, 400/220kV ICT at 400/220kV Pusauli SS
b) 1 No. 500MVA, 400/220kV ICT at 400/220kV Pandiabili SS
c) 1 No. 500MVA, 400/220kV ICT at 400/220kV Maithon SS

220KV

- ii) 160MVA, 220/132kV 3-phase Auto Transformer as regional spare for Jharkhand & Odisha (one in each state): 2 nos.
- a) 1 No. 160MVA, 220/132kV ICT at 400/220/132kV Daltonganj SS
b) 1 No. 160MVA, 220/132kV ICT at 400/220/132kV Baripada SS

As per the Investment Approval, the commissioning schedule of the project is 24 months from the date of Investment Approval. The date of Investment Approval is 04.10.2021 and hence the assets are to be commissioned and put under commercial operation w.e.f. 04.10.2023. The present status of commissioning of these assets are as follows:

Sl. No.	Asset Description	Present status	Anticipated date of DOCO
1	500MVA, 400/220kV ICT at 400/220kV Pusauli SS	Testing under progress	31.07.2023
2	500MVA, 400/220kV ICT at 400/220kV Pandiabili SS	Oil circulation in Transformer under progress	31.07.2023
3	500MVA, 400/220kV ICT at 400/220kV Maithon SS	Oil filling in storage tank started	15.08.2023
4	160MVA, 220/132kV ICT at 400/220/132kV Daltonganj SS	Completed	06.07.2023
5	500MVA, 400/220kV ICT at 400/220/132kV Baripada SS	Completed	31.03.2023

There is no time overrun from schedule date of commissioning as given in the investment approval. As the asset is going to be commissioned early w.r.t. scheduled date of

commissioning, it is proposed that the early DOCO of the above-mentioned spare ICTs may be approved by forum.

Deliberation in the meeting

Member noted.

Powergrid vide email dated 31.07.2023 informed that there is a typographical error observed in item No. C.1 submitted by POWERGRID, ER-1. The rating of ICT at Baripada Ss is mentioned as "1 No. 500MVA, 400/220kV ICT at 400/220/132kV Baripada SS" same may be replaced with "1 No. 160MVA, 220/132kV ICT at 400/220/132kV Baripada SS".

ITEM NO. C.2: List of Assets during October'22 to February'23 of Eastern Region (ER)

A	Provision of Spare ICTs in Eastern Region	DOCO	Remarks	Region
1	01 No. 160 MVA, 220/132 KV, 3-Ph ICT at 400/220/132 KV Baripada S/S (Regional Spare ICT for Odisha)	31-03-2023	DOCO Letter Dtd. 31.03.2023	Odisha Proj.
2	01 No. 160 MVA, 220/132 kV ICT at 400/220/132 kV Daltonganj S/s	06.07.2023	DOCO Letter Dtd. 10.07.2023	ER-I
B	Baharampur (POWERGRID)- Bheramara (Bangladesh) 2nd 400 kV D/C Transmission Line (Indian Portion)	DOCO	Remarks	Region
1	Baharampur (POWERGRID)- Bheramara (Bangladesh) 2 nd 400 kV D/C Transmission Line (Indian Portion) and associated bays at Baharampur S/S	27-07-2020	DOCO Letter Dtd. 13.04.2023	ER-II
C	ERES XXVI	DOCO	Remarks	Region
1	1x500 MVA, 400/220kV 3rd ICT along with associated bays at Ranchi (PG) S/s.	01-06-2023	DOCO Letter Dtd. 01.06.2023	ER-I
2	400 kV Transformer Bays- 01 No.			
3	220 kV Transformer Bays- 01No.			
D	Package-I: Eastern Region Fibre Optic Expansion Project (Additional Requirement)	DOCO	Remarks	Region
1	Maithon RB-Ranchi (OPGW-188 Km SDH-02 nos	19-06-2021	DOCO Letter Dtd. 26.06.2023	ER-I
2	Barh-Gorakhpur (OPGW-353.017 Km, SDH - 02 nos., DCPS-01 no.)	12-10-2022		
3	Kishenganj-Patna (OPGW-346.67 Km,	17-		

	SDH-03 nos., DCPS-01 no., NMS-01 no.	05- 2023		
--	--------------------------------------	-------------	--	--

Deliberation in the meeting

Member noted.

49TH Commercial Sub Committee Meeting

Venue: ERPC Conference Hall, Kolkata

Time: 10:30 Hrs.

Date: 28.07.2023 (Friday)

Sl. No.	Name	Designation & Organisation	Contact No.	E-mail Id	Signature
1	N S Mandal				
2	R. Sutrachan	EO ERLDC			
3	A. Mallik	CGM, ER MC			
4	Ankit Jais	Chief Manager ERLDC	7005631857	ankitjais@grid-india.in	
5	Sourav Mandal	Manager ERLDC	9402102354	souravmandal@grid-india.in	
6	D. NIKHANDIA	GM, PGCIL	9560890370	daji.khandia@powergrid.in	
7	Rahul Anand.	DGM NTPC	9425823430	rahulanand@ntpc.co.in	
8	Arshad Jilani	DGM, NTPC	9650997632	arshadjilani@ntpc.co.in	
9	Rajesh Kumar	GS.M, NHPC	9816654889	rajeshraj@ntpc-nic.in	
10	Mahesh K. Shrivastava	GM(F), NHPC	9958288991	maheshshrivastava@ntpc-nic.in	
11	Souam Ougchuk	A.E (SLDC) SK	7548917326	leptchewongchuk@gmail.com	
12	Rajen Sharma	J.E (T&D) SK	7908087373	rajen.sharma71@gmail.com	
13	Sigetha Pradham	EE (Comm) Sikkin	973505509	leadingpower2021@gmail.com	
14	S. R. Swain	Asst. Director ERPC	9337491451	saswat.ranjan@gov.in	
15	Nandita Chakraborty	R. Mgr, PTC	9831680072 9830059140	nandita.chakraborty@ptcindia.com	
16	Bejoy Kumar Das	Sr. General Mgr	9438907699	ele.bkdas@gridco.co.in sgm.rr@gridco.co.in	
17	S. K. Maharana	DGM, GRIDCO	9438591100	ele.skmarana@gridco.co.in	

49TH Commercial Sub Committee Meeting

Venue: ERPC Conference Hall, Kolkata

Time: 10:30 Hrs.

Date: 28.07.2023 (Friday)

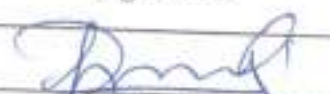
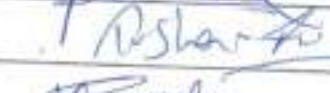

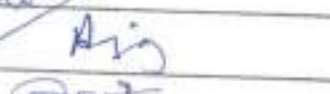

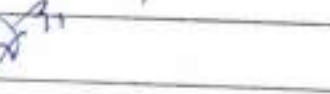

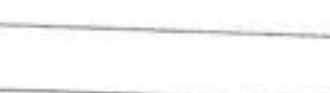
Sl. No.	Name	Designation & Organisation	Contact No.	E-mail Id	Signature
18	Sanjaya Kumar Mishra	DEM SLDC ODISHA	9438907414	sanjayasldc@gmail.com	
19	Rajat Kumar Koley	Jr. Mgr (CS) WBPDCL	9474860642	rk.koley@wbpdcl.co.in	
20	Abhijit Chakrabarty	D.G.M (F&A) WBSEDCL	9836699161	abhijit.chakrabarty@wbpdcl.in	
21	Shyam Mahali	Gm (C&A) JUSNL	9431181539	Smahali74@gmail.com	
22	Rupak Kumar	Asst. Comr, SBPDCL	7033291929	acecomsbpdcl@gmail.com	
23	P.K. DE	SE, ERPC	9433125844	prasunde.cca@gov.in	
24	S. K. Pradhan	DD, ERPC	8249244719	Sk.pradhan15@gov.in	
25	S. KEDRIVAL	SE, ERPC	9831919509		
26	B B Mehta	Dir, SDC Odisha	9879200736	dir.sdc@optcl.co.in	
27	RAJDEEP BHATTACHARJEE	RE, BSPHCL	9830380689	rekolbshphcl@gmail.com	
28	Raj Gekthari	Str. Engg, JIPL	9426650411	JITP scheduling@jindagroup	
29	SARANGDEY SARKAR	Engg, ANRL	8240548387	Sarangdevsarkar@gmail.com adhechikpower.co.in	
30	Srijit Mukherjee	DD, ERPC	8794277306	srijit.mukherjee@gov.in	
31	S. I. ANJUM	DGM, POWERGRID	9470001190	iftekhar@powergrid.in	
32	V.S. Gill	DMGR DVC	8585021916	vikramjit.gill@dvc.gov.in	
33	Mani Shankar Chakrabarty	DGM DVC	8420249355	manishankar.chakrabarty@dvc.gov.in	
34	Dhanesh Singh	Manager (PPA mg)	8295766006	dhanesh.singh@gmrgroup.in	

49TH Commercial Sub Committee Meeting

Venue: ERPC Conference Hall, Kolkata

Time: 10:30 Hrs.

Date: 28.07.2023 (Friday)

Sl No.	Name	Designation & Organisation	Contact No.	E-mail Id	Signature
35	Puspakesh Mohanty	GMR Energy	977580348	puspakesh.mohanty@gmr.in	
36	Tushar Das	Tata Steel	9264438462	tushar.das@tatasteel.com	
37	Krishnendu Samanta	WBDEL, Nya	9336908840	k.samanta@wbdel.co.in	
38	Gaurav Kumar	Sr. Manager TVCNL	8298140226	gauravkumar@gmail.com	
39	AJAY KUMAR	Chief, Power Plant Enter Steel Ltd	9254511401	ajay.kre@tatasteel.com	
40	S.K. DAS	Asstt. C.E. WBSDL	9434910265	skdas74@gmail.com	
41	M. SARKAR	D.E, WBSDL	9134910516	wbstdc.enac@gmail.com	
42	A. Das	Dy Director ERPC	9681214774	anupdas@erpc.in	
43					
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49					
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सत्यमेव जयते

भारत सरकार
Government of India
केन्द्रीय विद्युत् प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत् समिति

Western Regional Power Committee

एच-3, एमआईटीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093

F-3, MIDC Area, Andheri (East), Mumbai - 400 093

दूरभाष/Phone: 022-28221681, 2820 0194, 95, 96

Website: www.wrpc.gov.in

आईएसओ:
9001-2015
IS/ISO:9001-2015

फैक्स/Fax: 022-2837193

E-mail: comm1-wrpc@nic.in

No. WRPC/Comm1-I/REA/Gen corr/

353 =

Date 28-06-2023

सेवा में/ To,

Chairman cum Managing Director,
BSPHCL, Vidyut Bhawan,
Jawahar Lal Nehru Marg,
Patna-800021

विषय: Rejection of bills raised by NPCIL for allocation of Power to Bihar from Un-Allocated quota of CGSs of WR -reg.

महोदय/ Sir,

Reference is invited to power allocation issued vide letter no. WRPC/Comm-1/6//Alloc/2023/170 Dated 02/05/2023 (copy enclosed as annexure -I), wherein 30 MW Power was allocated to Bihar from Un-Allocated quota of Central Generating Stations (CGSs) of Western Region w.e.f. 03.05.2023 as per Ministry of Power (MoP) power allocation order issued vide 22/10/2023-OM 267541 dated 01.05.2023 (copy enclosed as annexure -II).

It may kindly be noted that as per MoP's above Power allocation order dated 01.05.2023, the power was allocated as per the Bihar State request. Subsequent to implementation of the said WRPC power allocation order by WRLDC, the power from some of CGSs of WR including NPCIL's Kakrapar station (KAPS) was scheduled to Bihar and the same was reflected in Provisional Regional Energy Account for the month of May, 2023 issued by WRPC vide its letter no. WRPC/Comm1-1/ABTREA/2023/5.0/5252 dated 02.06.2023 (copy enclosed as annexure -III).

As per CERC regulation, Nuclear stations such as KAPS are must-run station and power injected from these stations into the grid is deemed scheduled to the beneficiary as per percentage entitlement of beneficiary in the station.

NPCIL vide its letter no. KAPS/ACTS/EB/2023-24/251 dated 14.06.2023 (copy enclosed as annexure -IV) has informed WRPC that SBPDCL has rejected/returned the bills raised by NPCIL with remark" the invoice is without supporting PPA as required vide MoP letter No. F.No. 22/10/2023-OM 264541 dated 01.05.2023 have not been complied i.e. PPA has not been signed.

In view of above, M/s NBPDCCL & M/s SBDCL is requested to settle the energy scheduled to Bihar from NPCIL's Kakrapar station (KAPS) for the month of May 2023.

Encl.: As above.

भवदीय

(Satyanarayan S.)
Member Secretary

Copy to:

1. Chairperson, CEA
2. Energy Secretary, Bihar
3. Member Secretary, ERPC
4. Chief Engineer (GM Division), CEA
5. Director (OM Division), Ministry of Power



केन्द्रीय बिजली प्राधिकार
Central Electricity Authority
पुणे
पुणे

Western Regional Power Committee

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004



पुणे, महाराष्ट्र (पुणे), पुणे - 411 004
IS/ISO: 5001-2015

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

- पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

Sl. No.	Unallocated Power From Region	Currently Allocated to State/UT	Allocated to MW	Period
1.	Western Region	Uttar Pradesh	30 MW	From 01.05.2023 to 31.07.2023

- पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

पुणे, महाराष्ट्र (पुणे), पुणे - 411 004

Copy to:

- | | |
|--|---|
| 1. GM, WRDC, Mumbai | 11. Chief Engineer (PP), MSEDCCL, Mumbai |
| 2. Chief Engineer (LD), GETCO, Jamnala | 12. Chief Engineer (Comml), MP Power Trading Co. Ltd., Jabalpur |
| 3. Chief Engineer (LD), MP PTCL, Jabalpur | 13. AGM (Comml), NTPC Ltd., Mumbai |
| 4. Chief Engineer (LD), CSPCL, Bhilai | 14. AGM (Comml), NPCIL, Mumbai |
| 5. Chief Engineer, LD, MSETCL, Kalwa | 15. AGM (Comml), PCCIL, Nagpur |
| 6. CEE, Electricity Deptt., Goa | 16. Chief Engineer (GM), CEA, New Delhi |
| 7. Executive Engineer, DD, Daman | 17. SME (Electrical), TAPS (3 & 4), NPCIL |
| 8. Executive Engineer, DNH, Silvassa | 18. SME (Electrical), KAPS, NPCIL |
| 9. E.D. (Finance), GUVNL, Vadodara | 19. Managing Director, M P A K V M L, Indore |
| 10. Chief Engineer (Comml), CSPDCL, Raipur | 20. SE (O), WRPC, Mumbai |
| 21. CE (Elect.), Heavy Water Board, Mumbai | 22. VP, DNHDDPDCL |

Copy with a request to intimate the beneficiaries of NR, ER & SR :

- | | |
|--------------------------|--------------------------|
| 1. Member Secretary SRPC | 3. Member Secretary NRPC |
| 2. Member Secretary ERPC | |



F.No.22/10/2023-QM[247541]

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

P-Wing, Nirman Bhawan, Maulana Azad Road,
New Delhi, the 1st May, 2023

To,

Chairperson
Central Electricity Authority (CEA)
Sector Bhawan, R.K. Puram,
New Delhi -110066

Subject: Allocation of Power to Bihar from Unallocated Quota of various regions –reg.

Sir,

Keeping in view of the request of Bihar, it has been decided to allocate power from the unallocated quota of various regional pools to Bihar round the clock, as detailed below:

S. No.	Unallocated Power Pool Region	Currently allocated to State/ UT	Allocated MW	Period
1.	Northern Region Pool	Madhya Pradesh	30 MW	From 01.05.2023 to 31.07.2023.
2.	Western Region Pool	Uttar Pradesh	30 MW	From 01.05.2023 to 31.07.2023.
3.	Northern Region Pool	Delhi	90 MW	From 01.05.2023 to 31.05.2023.
4.	Southern Region Pool	50MW from Karnataka 50MW from Tamil Nadu	90 MW	From 01.05.2023 to 31.07.2023.

2. The beneficiaries are required to sign/extend PPA and enter into commercial arrangement/maintain LC with the allocated power.

3. CEA is requested to get the allocation implemented with immediate effect under intimation to all concerned.

Yours faithfully,



(Hansarthing Guitel)
Under Secretary to the Govt. of India
Tel: 23062492
Email: power@nptcl.in

Copy to:

1. Chief Engineer (GM), Central Electricity Authority, K.V. Puram, New Delhi- 110066
2. Member Secretary, Northern Regional Power Committee (NRPC), Quab Institutional Area, Kirtiwaria Sarai, New Delhi-110016
3. Member Secretary, Southern Regional Power Committee (SRPC), No.-29 Race Course Cross Road, Bengaluru-560009
4. Member Secretary, Western Regional Power Committee (WRPC), 7-3, MIDC Area, Marol. Opp. SHEP2, Central Road, Andheri East, Mumbai, Maharashtra-400093
5. Additional Chief Secretary (Energy), Govt. of Karnataka, 2nd Floor, Vidhana Sabha, Dr. B.R Ambedkar Street, Bengaluru-560001
6. Principal Secretary(Energy), Govt. of MP, VD-2, Vallabh Bhawan Annex, Mantraalay Bhopal-462004
7. Principal Secretary (Energy), Govt. of Uttar Pradesh, Bapu Bhawan, UP Sachivalay, Lucknow-226001.
8. Principal Secretary (Energy), Govt. of Tamil Nadu, Energy Department, Secretariat, Chennai -500003
9. Secretary, Department of Power, Govt. of NCT of Delhi, 8th Level, B-Wing, Delhi Secretariat, JP Estate, New Delhi -110002



भारत सरकार
Government of India
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत समिति



Western Regional Power Committee

आर्.ए. सं. २ १००१-२०१५

प्ल. सं. ३, पञ्जाब रोड, अमृतसर (पंजाब), पिन - १४१००५

सं. १००१-२०१५

प्ल. सं. ३, एन.ए. रोड, अमृतसर (पंजाब), पिन - १४१००५

टेलीफोन: ०२२-२४२२१०६१-२४२२१०६३; २४२०३१९५; टैक्स: ०२२-२४२२०१९३

Website: www.wrpc.gov.in

E-mail: ceam-wrpc@nic.in

स पश्चिम-प्रदेशीय प्रवर्तित आर्.ए. (20.23.05.01) 5152

दिनांक: 02.06.2023

Re:WRPC/General/ABTR/EA/2023/5 01

सेवा सं. ०३

(सूची के अनुसार) (As per list)

विषय:- मई २०२३ माह के लिए एबीटी आधारित आर्.ए. :

Sub:- REA based on ABT for the month of May 2023.

महोदय / Sir,

इस पत्र के साथ पदाधीनवेक्टर, मुद्रांक द्वारा प्रस्तुत डाटा के अनुसार मई २०२३ माह के लिए तैयार किए गए प्रोविजन्स क्षेत्रीय ऊर्जा लेखा (आर्.ए.) तथा यू.आर. एर. ऊर्जा वितरण (x.s फ़ॉर्म) संलग्न है।

हमारी संबंधित पटकों से अनुरोध है कि इस विषय में यदि कोई बिवाद / चुट्टि हो तो यह आर्.ए. जारी होने की तिथि से १५ दिनों के आंतर आवश्यक कार्रवाई हेतु इस कार्यलय को सूचित करें।

अपरोक्ष क्षेत्रीय ऊर्जा लेखा की सॉफ्ट कॉपी: <http://www.wrpc.gov.in> पर उपलब्ध है।

Please find enclosed herewith the Regional Energy Account and details of Unrequitioned power (in x.s f) es) for the month of May 2023 prepared through the new software of WRPC and as per data furnished by WRLEC.

REA is prepared as per the provisions of the CERC (Terms and Conditions of Tariff) Regulations, 2019

All concerned parties are requested to intimate any discrepancy / error within 15 days from the date of issue of this REA for necessary action at our end.

Softcopy of the above Regional Energy Account is available on WRPC website (<http://www.wrpc.gov.in>).

भवदीय/Yours faithfully,

संलग्न: एक - उपरोक्तानुसार (As Above)

(P.D. Lora)

Superintending Engineer (C)

WESTERN REGIONAL POWER COMMITTEE

Regional Energy Account for the Month of May-2023 | Rev.No. 0

Schedule for Nuclear and Hydro Power Plants (in MWh)

Beneficiary	KAPS	TAPS-I	TAPS-II	SSP	PENCH
BEHAR	317659	0	579069	0	0
DNHDDPDC	15352015	0	35359813	0	0
GER Beneficiary	83688866	503836	168835275	6300356	0
GOA Beneficiary	20893597	0	9264520	0	0
HWP DAL	8237137	0	0	0	0
KKADAKH	1291258	0	5550331	0	0
MPSRB Beneficiary	60449861	0	119371963	31556926	1942586
MSEB Beneficiary	57373542	949826	246582055	14394514	971193
NEMC	630282	0	1765483	0	0
UPPCL	174363	0	400206	0	0
WAPC TAPS II	0	0	5753660	0	0
CSRB Beneficiary	0	0	27173868	0	0
Total	289017161	2057972	821305706	15502296	2912761

न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लि.

(भारत सरकार का उपक्रम, परमाणु ऊर्जा विभाग)

काकरापार गुजरात स्थल

पोस्ट-अनुमाला, डि-सुरत, गुजरात - 394 651

वित्त एवं लेखा अनुभाग

जस्टिस-0001, जस्टिस-14801 और जस्टिस-45601 प्रमाणित संग्रह



एनपीसीआईएल और एनपीसीआईएल लिमिटेड
Nuclear Power Corporation of India Ltd. & NPCIL
www.npcil.nic.in

NUCLEAR POWER CORPORATION OF INDIA LTD.

(A Government of India Enterprise, Department of Atomic Energy)

KAKRAPAR GUJARAT SITE

PO-Anumala, Dist-Surat, Gujarat - 394 651

FINANCE & ACCOUNTS SECTION

AN ISO-9001, ISO-14001 AND ISO-45001 CERTIFIED ORGANISATION

GSTIN : 24AAACN3154F1ZW

CIN : U40104MH1987GOI149458

PAN : AAACN3154F

No.KAPS/ACT5/EB/2023-24/ 251

14th June, 2023

To,

✓ Shri Satyanarayan S.

Member Secretary

WRPC

F-3, MIDC Area, Andheri (E)

Mumbai - 400093

प. क्ष. वि. स. मुंबई /WRPC

आवक संख्या /Inward No. 169

दिनांक /Date: 17/06/2023

Sub.: Rejection of Bills raised on BSP(H)CL/Bihar DISCOMs

Ref.: i) WRPC letter No.WRPC/Comm1-I/6/Alloc/2023/170 dated 02-05-2023

ii) KAPS invoice No. EB-380009 & EB-380019 dated 06-06-2023

Respected Sir,

This is with reference to above regarding allocation of power to Bihar from Unallocated Quota of Western Regional Pool and as per REA of WRPC for the month of May-2023 dated 02-06-2023, 3,17,659 units were exported by KAPS-1&2 to BIHAR. Accordingly, KAPS had issued invoices to M/s. NBPDC & M/s SBPDCL on 06/06/2023 (Copies of invoices are attached for reference) and the same were also updated on PRAAPTI portal.

KAPS in receipt of letter no. SBC/123/2023/609 dated 09-06-2023 from M/s. SBPDCL through e-mail regarding rejection of the bills raised for energy supplied to Bihar from un-allocated quota on the ground that "the bill can't be raised before complying the terms of letter of power allocation issued by MoP, Govt on 01.05.2023 i.e. signing of PPA". M/s. NBPDC & SBPDCL had returned the KAPS invoices on PRAAPTI portal also.

The allocation of power to Bihar from unallocated quota stands only for one month i.e. for May-2023 as the Power to Bihar from unallocated quota has been De-allocated by WRPC vide letter No. WRPC/Comm1-I/6/Alloc/2023/5182 dated 30th May, 2023. So, there is no requirement of entering into PPA with Bihar as on date.

निष्पत्ति कार्यालय : विक्रम साराभाई भवन, अनुभक्तिनगर, मुंबई-400 094

Corporate Office : Vikram Sarabhai Bhavan, Anushaktinagar, Mumbai-400 094


पंजीकृत कार्यालय : सेंटर-1, 16^{वां} विंध व्यापार केंद्र, कफे पार्क, कोलाबा, मुंबई-400 095Registered Office : Center-1, 16th Floor, World Trade Centre, Cuffe Parade, Colaba, Mumbai-400 095

Amount due from M/s. NUPDCL & M/s SBPDCL for energy supplied in the month of May-23 is Rs. 5,32,794/- and Rs. 6,25,455/- respectively

In view of above, it is requested to intervene in the matter for getting the decision accepted by M/s SBPDCL & M/s NUPDCL for energy supplied by KAPS 1 & 2.

Thanking you,

Yours faithfully,


(Sandesh Gupta)
DGM (CSA)

Encl.:

1. MoP allocation of power dated 01-05-2023
2. WRPC for allocation of power dated 02-05-2023
3. Extract of WRPC REA for May-2023
4. KAPS invoices dated 06-06-2023
5. SBPDCL letter dated 08-06-2023
6. SBPDCL letter dated 09-06-2023
7. WRPC de-allocation of power dated 30-05-2023

CC:

- | | |
|---|--|
| 1. The Executive Director,
POSOCO W&LDC,
F-3, MIDC Area, Andhuri (E),
Mumbai - 400093 | 2. Member Secretary,
Eastern Regional Power Committee
16, Golf Club Road, Tollygunge
Kolkata, West Bengal - 700033 |
| 3. Chief Engineer (GM),
Central Electricity Authority,
Sewa Bhawan, P.K. Puram,
New Delhi - 110066 | 4. Chief Engineer (Comm.),
South Bihar Power Distribution Company Ltd
Vidhyut Bhawan, Bailey Road,
Patna, Bihar - 800021 |
| 5. C.E. (Power Management Cell)
Bihar State Power (Holding) Company Ltd.
Vidhyut Bhawan, Bailey Road,
Patna, Bihar - 800021 | 6. Chief Engineer (Comm.),
North Bihar Power Distribution Company Ltd.
Vidhyut Bhawan, Bailey Road,
Patna, Bihar - 800021 |
| 7. Shri Haussantrang Gulte,
Under Secretary to Govt. of India
Ministry of Power,
F-Wing, Nirman Bhawan, Maulana Azad Road,
New Delhi. | |

**SOUTH BIHAR POWER DISTRIBUTION CO. LTD.,**

Registered Office: Vidhyut Bhawan, Bailey Road, Patna-21.

A Govt. of Bihar undertaking
(Commercial Department)

CIN No. U99062Bihar1990PL0001882

Letter No. 603 /
SBC/13/2023Date: 09-06-2023

From,

Purnasham Prasad,
Chief Engineer (Com.)

To,

Finance & Accounts Section,
NPCIL,
Corporate office : Vikram Sarabhai Bhawan,
Anushakti Nagar, Mumbai-400054Sub. :- Rejecting the bills raised to BSP(H)CL/Bihar DISCOMs on account of
allocation of power to Bihar from un-allocated quota.Ref. :- (i) MoP letter no. F.No. 22/10/2023-QM[467541] dated 01.05.2023.
(ii) Chief Engineer (Power Management Cril), BSP(H)CL UOI No. 69 dated
08.06.2023.

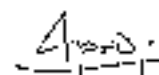
Sir,

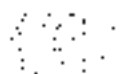
With reference to the above subject, it is to inform that as "the bill can't be raised before complying the terms of letter of power allocation issued by MoP, Govt on 01.05.2023 i.e. signing of PPA", the following bills raised by your good office/organization to SBPDCL on account of allocation of power from un-allocated quota various region are hereby returned :-

Sr. No	Generator	Bil. No	Bil. Date	Month/Period	Bil. amount to SBPDCL
1	NPCIL Kakrapar	120519	6.6.23	May-23	623,455
2	NPCIL Tarapur Atomic Power Station	TMSES2334037	5.6.23	May-23	1,800,665
3	NPCIL Tarapur Atomic Power Station	123RB7221	5.6.24	May-23	1,800,666

Encl:- CR (PMC), BSP(H)CL UOI No. 69 dated 08.06.2023.

Yours faithfully


09/06/23
(Purnasham Prasad)
Chief Engineer (Com.)



**भारत सरकार
(Government of India)**
विद्युत विभाग (Ministry of Power)

एन. टी. एन. बिल्डिंग, लुधियाना
एन. टी. एन. बिल्डिंग, लुधियाना

Western Regional Power Committee

एन. टी. एन. बिल्डिंग, एन. टी. एन. बिल्डिंग, लुधियाना - 140 003

F-3, NCTE Area, Ludhiana (Punjab), India - 140 003

TELEPHONE: 022-2637 1574, 2637 1575, 2637 0191, 55, 56

Website: www.wrpa.com



TELEPHONE: 022-2637 0193
FAX: 022-2637 0193
E-mail: wrpa@wrpa.com

Ref: WRP/2023/00145 dt: 02/05/23

Date: 02/05/2023

To:

Director, Central Board
POWER, LUDHIANA
F-3, NCTE Area, Ludhiana
Ludhiana - 140 003

Re: MRP letter No. 22/01/2023-GM (25756) dated 02.05.2023

Sub:

Subject: De-allocation of Power to Bihar from Unallocated Quota of various regions including WR pool - reg

- CEA vide email dated 30.05.23 have forwarded MRP order under ref intimating and desiring to MRP to De-allocate the round the clock power given to Bihar from the unallocated quota of Western regional pool and restore the same to the respective states. The order in the subject intimation is detailed below.

Sl. No.	De-allocation of Power to Bihar from Unallocated Quota of Western Regional Pool		Period
	From	To	
1.	Western Regional Pool	Other States	30 MW
			With immediate effect until further orders

- The attached intimation is to inform that the percentage allocation of WR are attached herewith.
- The effect of the order is to be implemented with immediate effect.
- The effect of the order is to be implemented with immediate effect.
- The effect of the order is to be implemented with immediate effect.
- The effect of the order is to be implemented with immediate effect.

Encl: As above

Yours Faithfully

(Signature)

Member Secretary

Copy to:

- | | |
|---|--|
| 1. GM, WRI DC, Mumbai | 11. Chief Engineer (PP), MSEDCL, Mumbai |
| 2. Chief Engineer (LD), GLTCL, Dombivli | 12. Chief Engineer (Comm), MP Power Trading Co. Ltd., Jabalpur |
| 3. Chief Engineer (LD), MP PTCL, Jabalpur | 13. AGM (Comm), NTPC Ltd., Mumbai |
| 4. Chief Engineer (LD), CSPCL, Bhilai | 14. AGM (Comm), NPCIL, Mumbai |
| 5. Chief Engineer, LD, MSETCL, Kelwa | 15. AGM (Comm), PGCIL, Nagpur |
| 6. CEE, Electricity Deptt., Goa | 16. SNE (Electrical), TAPS (D & A), NPCIL |
| 7. Executive Engineer, DD, Daman | 17. SNE (Electrical), CAPS, NPCIL |
| 8. Executive Engineer, DNH, Silvassa | 18. Managing Director, M P A K V N , Indore |
| 9. E D (Finance), GUVNL, Vadodara | 19. SE (O), WRPC, Mumbai |
| 10. Chief Engineer (Comm), CSPCL, Raigarh | 20. CE (Elect.), Heavy Water Board, Mumbai |
| | 21. VP, DNHDDPDCL |

Copy with a request to intimate the beneficiaries of NR, ER & SR :

- | | |
|--------------------------|--------------------------|
| 1. Member Secretary SRPC | 3. Member Secretary NRPC |
| 2. Member Secretary ERPC | |

Copy for information to :

1. CE (GM Division), CEA
2. CE (NPC Division), CEA



भारत सरकार
Government of India

विद्युत मंत्रालय
Ministry of Power
No. 11/29/2023-NHPC

New Delhi, the 27th June 2023

To,

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

**Sub: Allocation of firm power from upcoming Hydro Projects of NHPC Ltd, its
JVs/Subsidiaries.**

Sir,

I am directed to forward herewith a copy of NHPC Ltd.'s letter No. NH/Comml./MOP/Allocation/2023/417 dated 08.06.2023 which is self explanatory. The shares of various states/utilities according to their entitlement from these projects is required to be finalized as per the allocation formula applicable to the central hydro power generating station(s).

2. NHPC Ltd. has indicated that the consent from various DISCOM/States has been received for procurement of Power from above projects. However, the signing of Power Purchase Agreements (PPAs) with States/DISCOMs is under process. As such, CEA is requested to examine the case and furnish their comments to this Ministry at the earliest, on the allocation to be made to the beneficiary states

Encl. As above

Signed by Pankaj Kumar Sangwan
Date: 27-06-2023 10:26:42
Reason: Approved

Dy. Director (NHPC)
Tel No. 23324357

Copy to:

1. CMD, NHPC Ltd., Sector-33, Faridabad, Haryana

एनएच/वाणिज्यिक/एमओपी/आवंटन/2023/417

दिनांक 08.06.2023

अवर सचिव,
एनएचपीसी डेस्क,
ऊर्जा मंत्रालय, भारत सरकार,
श्रम शक्ति भवन,
रफी मार्ग, नई दिल्ली-110001

विषय: एनएचपीसी लिमिटेड, उसके जेवी/अनुषंगियों की आगामी जलविद्युत परियोजनाओं से राज्यों को बिजली का आवंटन।

महोदय,

कृपया उपर्युक्त विषय पर संलग्न पत्र एनएचपीसी पत्र संख्या NH/CommL/MOP/
Allocation/2023/417 दिनांक 08.06.2023 देखें।

धन्यवाद,

सादर,
(एम.के. गुप्ता)
समूह महाप्रबंधक(वाणिज्यिक)
Email: nhpc-pt@nhpc.nic.in

NH/Comml./MOP/Allocation/2023/ 417**Dated: 08.06.2023**

The Under Secretary,
NHPC Desk,
Ministry of Power, Govt. of India,
Shram Shakti Bhawan,
Rafi Marg, New Delhi-110001

Sub: Allocation of power to states from upcoming Hydro Projects of NHPC Ltd, its JVs/Subsidiaries.

Sir,

NHPC Limited and its JV /subsidiaries are developing following hydro projects, detailed as under,

- 1) **Lanco Teesta Hydro Power Corporation Limited (LTHPL)**, wholly owned subsidiary of NHPC is developing 500 MW Teesta-VI HE. Project in state of Sikkim.
- 2) **Jal Power Corporation Limited (JPCL)**, wholly owned subsidiary of NHPC is developing 120 MW Rangit-IV HE. Project in state of Sikkim.
- 3) **Chenab Valley Power Projects Private Limited (CVPPPL)**, is a subsidiary Company of NHPC with JKSPDCL (Jammu & Kashmir State Power Development Corporation Ltd) holding equity share of 51% and 49% respectively and it is developing 1000 MW Pakaldul HE. Project and 540 MW Kwar HE Project in UT of J&K
- 4) **Ratle Hydro Power Corporation Limited (RHPCL)** is a subsidiary company of NHPC with JKSPDCL (Jammu & Kashmir State Power Development Corporation Ltd) holding equity share of 51% and 49% respectively and it is developing 850 MW Ratle HE. Project in UT of J&K.
- 5) NHPC approached States / DISCOM(s) across the country for obtaining consent for procurement of Power by States on long term basis. After vigorous follow-up and persuasion efforts by NHPC, consent from following DISCOM/States has been received for procurement of Power from above projects till date i.e.

Gujarat (1591 MW), Chhattisgarh (950MW), Madhya Pradesh (1020MW), Haryana (900MW), Punjab (180MW), NDMC, Delhi (150 MW), Rajasthan (In principal consent), UT of J&K (900 MW) and Maharashtra (367 MW). Details of

state wise consent against respective projects are enclosed at **Annexure A**. Copy of consent letters received from DISCOM/States is enclosed at **Annexure -B**

- 6) Further, as per clause 8.2 of supplementary Promoter Agreement signed between NHPC, JKSPDC & PDD-J&K for CVPPPL which is reproduced as under(relevant extract enclosed at **Annexure –C**):

"The GoJK shall get 12% free Power generated from the projects. An additional 1% free power for local area development fund shall also be provided by the company. The fund shall be operated as per the guidelines issued in the hydro power policy 2008. Further, out of balance 87% power, the GoJK would have the right to purchase power from the company in proportion to the share of JKSPDC in the equity of the company at the price determined as per regulatory norms. After this the balance power will be sold by NHPC at the market price to the purchaser with first right of refusal being given to Jammu & Kashmir Power Development Department."

J&K vide letter dated 08.03.2023 has given consent to procure 480 MW & 170.20 MW from Pakaldul & Kwar H.E. Projects respectively & it includes 12% free power & 1% LADAF. Further, exemption of free power to J&K from Pakaldul & Kwar project from COD of project shall be as per Govt. of J&K order dated 20.06.2014 and 28.12.2021 (copy enclosed at **Annexure –D**)

- 7) In respect of RHPCL, Promoter Agreement dated 13.04.2021 was signed between NHPC, JKSPDCL & Govt. of J&K through PDD. As per clause 8.2 (sharing of benefits) of Promoter Agreement reproduced as under: (Copy of relevant extract is enclosed at **Annexure- E**)

"In accordance with the extant of National hydro Policy of the GOI, the Government of Union Territory of Jammu and Kashmir is entitled to have 12% Free power and additional 1% free power for the local Area Development (LADF), however to make the project viable government of Union Territory of Jammu and Kashmir has agreed to provide exemption for free power in a decremental manner (i.e. free power to the Government of Union Territory of Jammu and Kashmir would be 1% in the first year after Commercial Operation Date (COD) rising 1% per year to 12% in the 12th year), exemption of water cess for 10 years from Commercial Operation Date and local taxes including reimbursement of SGST during the construction period."

Also, J&K vide letter dated 08.03.2023 has given consent to purchase 560.50 MW including 12% free power & 1% LADF from 850 MW Rattle H.E. Project.

8) Some states have given consent for procurement of major capacity and intimated that they will sign PPA only after approval of PPA / capacity from their respective SERC's. They are requesting for firm capacity allocation based on their consent & accordingly they will file petition in commission for approval.(Copy of HPPC, Haryana dated 01.02.2023 & 30.05.2023 enclosed at **Annexure-F**)

9) Present status of PPAs signed with states, who have given consent, is enclosed at **Annexure -A**

In view of above, Ministry of Power, GOI is requested to kindly allocate the power from 500 MW Teesta-VI, 120 MW Rangit-IV, 850 MW Ratle, 1000 MW Pakal Dul and 540 MW Kwar HE Projects of NHPC /its subsidiaries /JVs amongst the interested states.

Thanking You,

Yours Sincerely,


(M.K. Gupta)
Group General Manager (Commercial)
Email: nhpc-pt@nhpc.nic.in

DETAILS OF UPCOMING HYDRO PROJECTS

DESCRIPTION	TEESTA-VI	RANGIT-IV	RATLE	PAKALDUL	KWAR	TOTAL
PROJECT OWNERSHIP	LTHPL	JPCL	RHPCL	CVPPL		
INSTALLED CAPACITY (MW)	500	120	850	1000	540	3010
FREE POWER(12%)+ LADF(1%) -MW	65	16	111	130	70	391
STATUS OF PROJECT	Under Construction	Under Construction	Under Construction	Under Construction	Under Construction	
EXPECTED COMMISSIONING	JUL'25	AUG'2025	FEB'28	JUL'2025	NOV'28	
DISCOM/STATES	CONSENT (MW) RECEIVED FROM					
GUVNL, GUJARAT	429	103	377	443	239.6	1591.6
CSPDCL, CHATTISGARH	300		300	250	100	950.00
PSPCL, PUNJAB	85	20	75			180.00
HPPC, HARYANA	100	100	250	250	200	900.00
MPPMCL, MADHYA PRADESH	400	120	500			1020.00
MSEDCL, MAHARASTHRA			213	100	54	367.00
RUVNL, RAJASTHAN			In Principal consent			In Principal consent
NDMC, DELHI	50	50	50			150.00
JKPCL, J&K			560.5	480	170.2	1210.70
TOTAL	1364	393	2325.5	1523	763.8	6369.30
DISCOM/STATES	STATUS OF PPA					
GUVNL, GUJARAT	PPA SIGNED	PPA SIGNED	PPA SIGNED	PPA APPROVED SHALL BE SIGNED SHORTLY		
CSPDCL, CHATTISGARH	PPA SIGNED	-	PPA APPROVED SHALL BE SIGNED SHORTLY			
PSPCL, PUNJAB	PPA APPROVAL UNDER PROCESS AT STATE/DISCOM END					
HPPC, HARYANA	PPA APPROVED, HOWEVER, HPCC IS REQUESTING FOR ALLOCATION OF POWER BEFORE SIGNING.*					
MPPMCL, MADHYA PRADESH	PPA APPROVAL UNDER PROCESS AT STATE/DISCOM END					
MSEDCL, MAHARASTHRA			PPA APPROVAL UNDER PROCESS AT STATE/DISCOM END			
RUVNL, RAJASTHAN			PPA APPROVED SHALL BE SIGNED SHORTLY			
NDMC, DELHI	PPA APPROVAL UNDER PROCESS AT STATE/DISCOM END					

* HPCC, Haryana has intimated that they shall sign PPA after obtaining approval of their SERC and for filing of petition in SERC they want firm capacity allocation.



Manita Verma, IAS
Principal Secretary



Government of Gujarat

Energy & Petrochemicals Department
Government of Gujarat
Sachivalaya, Gandhinagar-382010

To,
Shri Alok Kumar, I.A.S.
Secretary (Power)
Ministry of Power, Govt. of India,
Shram Shakti Bhavan,
Rafi Marg, New Delhi- 110001

22 JUN 2022

Respected Sir,

Sub: Allocation of power to GUVNL from various upcoming Hydro Projects offered by NHPC.

This is in reference to the offers received from NHPC vide letters dated 18.02.2022, 27.12.2021 and 7.10.2021 for supply of power to Gujarat Urja Vikas Nigam Ltd. (GUVNL) from various upcoming Hydro Electric (HE) Projects and requesting GUVNL to give its consent for procurement of power from the offered projects.

In order to meet the demand of consumers in Gujarat State and to optimize the power purchase cost of State Distribution companies, Gujarat Urja Vikas Nigam Ltd. (GUVNL), Vadodara is willing to off take power from upcoming Hydro Electric (HE) Projects.

In this regard, GUVNL has conveyed its consent for the in-principle approval for procurement of power from following upcoming projects of NHPC for life of the project i.e. 35/40 years at the tariff including terms and conditions as decided by CERC from time to time.

Sr. No	NHPC Projects	Installed Capacity (MW)	Expected COD	Capacity proposed(MW)
1	Teesta- VI	500	Mar-24	429*
2	Ratle	850	Feb-26	377
3	Rangit IV	120	May-24	103*
4	Dibang Multipurpose	2880	2031	500
	Total			1409

*Capacity proposed after excluding free power & LADF % to home state and Auxiliary Power Consumption

In view of above, Ministry of Power, Govt. of India is requested to allocate above power of 1409 MW to Gujarat/GUVNL from upcoming projects of NHPC for life of the project i.e. 35 /40 years, at the tariff determined by CERC from time to time subject to grant of open access by Central transmission Utility.

Further, this in-principle approval shall be subject to commissioning of projects in reasonable time period including delay from expected Commercial Operation Date. In case of severe Cost overrun/ Time overrun, GUVNL shall reserve its right for not to tie up power from the above project(s).

With regards,

ISSUED
ON 22 JUN 2022

Yours sincerely,

(Manita Verma)



ಕರ್ನಾಟಕ ಸರ್ಕಾರ

Sachivalaya, Gandhinagar-382010

Date: 23 JAN 2023

~~Selgip~~ PE pure →
~~AS/H~~
JS(H) - 31.1.23
Dir (H+Z) 31.1.23
20 (Wingman)
Open & full
So they no
the nation

(Manita Verma)

Phone : (O) 079-23250771, Fax : 079-23250797, E-mail : secepd@gujarat.gov.in



CHHATTISGARH STATE POWER DISTRIBUTION CO. LTD.
(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)
CIN-U40100GT20003GGC015822
OFFICE OF EXECUTIVE DIRECTOR (RA & PM) CSPDCL, RAIPUR
PHONE No. (0771) 2574441 FAX No. (0771) 2574442

Website: www.cspdcl.co.in

E-mail: Dr. ramesh@resiff.com

No. 02-02/SE-I/Hydel/ 1976

Raipur, Date: 13.11.2021

To,

The General Manager (Comm.)
NHPC Limited,
NHPC Office Complex, Sector-33,
Faridabad - 121 003, Haryana.

Sub: Consent for procurement of power from upcoming Hydro Power Projects of NHPC namely 500 MW Teesta-VI HE Project.

Ref: 1) Your office letter No. NH/Comm./New Project/2021/1149 dated 07.10.2021.

Sir,


This has reference to your office letter cited as above vide which it has been requested to convey consent for procurement of power from upcoming Hydro Power Projects of NHPC namely 500 MW Teesta-VI & 120 MW Rangit-IV HE Projects through long term PPA basis.

On the subject matter, it is to convey that competent authority of Chhattisgarh State Power Distribution Co. Ltd. has "in Principle" agreed to procure a quantum of 300 MW hydro power from Teesta VI project.

It is requested to advise further needful in the matter.

Thanking You.

Yours faithfully,


Executive Director (RA & PM)
CSPDCL, Raipur

Copy to:-

- 1) The Special Secretary, Energy Department, Govt. of Chhattisgarh, Mantralaya, Mahanadi Bhawan, Naya Raipur, Atal Nagar.



CHHATTISGARH STATE POWER DISTRIBUTION CO.LTD.
(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)
CIN-U40108CT2003SGC015822
OFFICE OF EXECUTIVE DIRECTOR (RA & PM) CSPDCL, RAIPUR
PHONE No. (0771)-2574441 FAX No.(0771)- 2574442

Website: www.cspdcl.co.in

E-mail ID: cecomcseb@radiff.com

No.02-02/SE-I/NHPC/Hydel/ 105

Raipur, Date | 8-04-2022

To,

The General Manager (Comml.)
Commercial Division,
NHPC Limited,
NHPC Office Complex, Sector-33,
Faridabad – 121 003, Haryana.

Sub: - Consent for procurement of power from upcoming 850 MW Ratle HE Project developed by Ratle Hydroelectric Power Corporation Limited (Joint Venture of NHPC Limited & JKSPDC).

Ref: - 1) Your office letter No. NH/Comml./new project/Ratle/2022/146 dated 18.02.2022.

Sir,

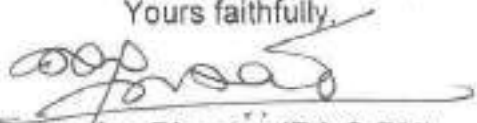
This has reference to your office letter cited as above vide which it has been requested to convey consent for procurement of power from upcoming 850 MW Ratle HE Project developed by Ratle Hydroelectric Power Corporation Limited (Joint Venture of NHPC Limited & JKSPDC) through long term PPA basis.

On the subject matter, it is to convey that competent authority of Chhattisgarh State Power Distribution Co. Ltd. has "In Principle" agreed to procure a quantum of 300 MW hydro power from upcoming 850 MW Ratle HE Project developed by Ratle Hydroelectric Power Corporation Limited (Joint Venture of NHPC Limited & JKSPDC).

It is requested to ensure further needful in the matter.

Thanking You,

Yours faithfully,



Executive Director (RA & PM)
CSPDCL, Raipur



CHHATTISGARH STATE POWER DISTRIBUTION CO.LTD.
(A Government of Chhattisgarh Undertaking) (A Successor Company of CSEB)
CIN-U40108CT2003SGC015822

OFFICE OF EXECUTIVE DIRECTOR (RA & PM) CSPDCL, RAIPUR
PHONE No. (0771)-2574441 FAX No. (0771)-2574442

Website: www.cspdcl.co.in

E-mail ID: cecomscsb@rediff.com

No.02-02/SE-I/NHPC/Hydel/ 2017

Raipur, Date 01/12/2022

To,

✓ The General Manager (Comml.)
Commercial Division,
NHPC Limited,
NHPC Office Complex, Sector-33,
Faridabad - 121 003, Haryana.

Sub: - Consent for procurement of power from upcoming 1000 MW Pakaldul
HEP & 540 MW Kwar HEP located in UT of J&K being developed by CVPPPL
(JV of NHPC Ltd.)

Ref: - 1) Your office letter No. NH/Comml./CVPPPL/2022/1058 dated 05.09.2022

Sir,


This has reference to your office letter cited as above vide which it has been requested to convey consent for procurement of power from upcoming 1000 MW Pakaldul HEP & 540 MW Kwar HEP located in UT of J&K being developed by CVPPPL (Joint Venture of NHPC Limited & JKSPDC) through long term PPA basis.


On the subject matter, it is to convey that competent authority of Chhattisgarh State Power Distribution Co. Ltd. has "In Principle" agreed to procure a quantum of 250 MW hydro power from upcoming 1000 MW Pakaldul HE Project and 100 MW from upcoming 540 MW Kwar HE Project being developed by CVPPPL (Joint Venture of NHPC Limited & JKSPDC).

It is requested to ensure further needful in the matter.

Thanking You,

Yours faithfully,


Executive Director (RA & PM)
CSPDCL, Raipur


15/12/22
GSM (T)
Regd. Office "Vidyut Seva Bhavan", Danganlyu, Raipur (CG)-492 013



Punjab State Power Corporation Limited

(Regd Office: PSEB Head Office, The Mall, Patiala-147001 Punjab, India. Website: www.pspcl.in)
Corporate Identity Number (CIN): U40109PB2010SGC033813. GSTIN: 03AAFCP5120Q1ZC

Office of the Engineer-in-Chief/ PP&R,

D-3 Shed, Shakti Vihar, PSPCL, Patiala- 147001 (Punjab)

Tel No. 0175-2970894, E-mail: ce-ppr@pspcl.in, cepprpspcl@gmail.com

To

The General Manager (Commercial),
Commercial Division,
NHPC Office Complex,
Sector-33, Faridabad-121003,
Haryana.

e-mail: nhpcbiling@nhpc.nic.in
nhpc-pt@nhpc.nic.in

Memo No. 340/61 /ISB- 221 A vol-IV

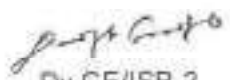
Dated: 20.02.2023

Subject: Consent for purchase of power from Teesta-VI, Rangit-IV and Ratle HEP.

Ref: PSPCL letter no. 1560 dated 16.09.2022 in response to M/s NHPC letters dated 07.10.2021, 18.02.2022 and 02.06.2022 in the matter of proposals of power procurement from Teesta-VI & Rangit-IV and Ratle HEP respectively.

In continuation to the PSPCL's letter no. 1560 dated 16.09.2022 (copy enclosed), regarding allocation of power to PSPCL, it is intimated that the quantum of power from subject cited 3 no. HEPs be limited upto 15%-20% (max.) of installed capacity after deduction of free share of home state.

This issues with approval of the competent authority.


Dy. CE/ISB-2
PSPCL, Patiala

CC:

1. EIC/PP&R for information please.



PUNJAB STATE POWER CORPORATION LIMITED

(CE/PP&R (Dy.CE/ISB-2 T-1 A, Shed Thermal Complex) PSPCL, PATIALA)

Email: seisb2pspcl@gmail.com

To

✓ The General Manager (Commercial),
Commercial Division,
NHPC Office Complex,
Sector-33, Faridabad-121003,
Haryana.

e-mail: nhpcbiling@nhpc.nic.in
nhpc-pt@nhpc.nic.in

Memo No. 156061/ISB- 221 A vol-iv

Dated: 18/9/22

Subject: Consent for purchase of power from Teesta-VI, Rangit-IV and Ratle HEP.


Ref: NHPC letters dated 07.10.2021, 18.02.2022 and 02.06.2022 regarding proposals of power procurement from Teesta-VI & Rangit-IV and Ratle HEP respectively.

PSPCL hereby consents to procure power from the following upcoming HEPs of NHPC at the indicative tariff mentioned by NHPC:

Projects	Levelised Tariff (Rs./kwh)
Teesta-VI	4.07
Rangit-IV	4.37
Ratle	3.92

However, PSPCL reserves the right to review its consent afresh in case, the tariff offered now, exceeds at a later date. Accordingly, NHPC shall seek fresh consent from PSPCL, at an appropriate time.

This issues with approval of the competent authority.


Dy.CE/ISB-2
PSPCL, Patiala

CC:

1. EIC/PP&R for information please.

HARYANA POWER PURCHASE CENTRE
UHBVN Head Office, Sector-14, Panchkula
Ph. No. 0172-2583728
E-mail: cehppc@uhbvn.org.in

From

Chief Engineer
HPPC, Panchkula

To

General Manager (Comm.)
NHPC Office Complex,
Sector-33, Faridabad
Haryana- 121003

Memo No. Ch-63/CE/HPPC/SE/C&R-I/PPA-121

Dated: 14.11.2022

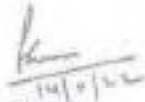
Subject: Consent for procurement of power from 500 MW Teesta-VI HEP, 120 MW Rangit-IV HEP, 2880 MW Dibang HEP, 850 MW Ratle HEP and 500 MW Dugar HEP

Please refer your office memo No. NH/Comm./new projects/2022/613-14 dated 02.06.2022 vide which consent of Haryana for procurement of Hydro Power from subject cited Hydro Electric Projects was sought.

In this regard, we hereby give our consent for procurement of 100 MW of power from Teesta-VI HEP, 100 MW of power from Rangit-IV HEP, 400 MW of power from Dibang HEP, 250 MW of power from Ratle HEP and 100 MW of power from Dugar HEP.

It may please be noted that the above consent is subject to the source approval of Haryana Electricity Regulatory Commission (HERC) which shall be taken after the allocation of quantum by Ministry of Power, Govt. of India.

This is for your kind information and necessary action please.


Chief Engineer,
HPPC, Panchkula

CC:

- 1.SPS to MD/UHBVN, Panchkula for kind information of MD/UHBVN, please.
- 2.SPS to Director/Finance, Panchkula for kind information of Director/Finance, please.

HARYANA POWER PURCHASE CENTRE
UHBVN Head Office, Sector-14, Panchkula
Ph. No. 0172-2583728
E-mail: cehppc@uhbvn.org.in

From

Chief Engineer
HPPC, Panchkula

To

General Manager (Comm.),
NHPC Office Complex,
Sector-33, Faridabad
Haryana- 121003

Memo No. Ch-64/CE/HPPC/SE/C&R-I/PPA-121

Dated: 14.11.2022

Subject: Consent for procurement of power from 1000 MW Pakaldul HEP and 540 MW Kwar HEP

Please refer your office memo No. NH/Comm./CVPPPL/2022/1044 dated 05.09.2022 vide which consent of Haryana for procurement of Hydro Power from subject cited Hydro Electric Projects was sought.

In this regard, we hereby give our consent for procurement of 250 MW of power from Pakaldul HEP and 200 MW of power from Kwar HEP.

It may please be noted that the above consent is subject to the source approval of Haryana Electricity Regulatory Commission (HERC) which shall be taken after the allocation of quantum by Ministry of Power, Govt. of India.

This is for your kind information and necessary action please.


Chief Engineer,
HPPC, Panchkula

CC:

1. SPS to MD/UHBVN, Panchkula for kind information of MD/UHBVN, please.
2. SPS to Director/Finance, Panchkula for kind information of Director/Finance, please.
3. SPS to MD/CVPPPL for kind information of MD/CVPPPL, please.

**M.P. POWER MANAGEMENT COMPANY LIMITED**

CIN: U40109MP2006SGC018637 (A Government of M.P. Undertaking)
Regional Office, MPPMCL, "Prakash Bhawan", E-4 Arera Colony, Near Bhojpur Club,
Bhopal-462016, Ph. 0755-2423044, 2423046 (fax), 4056770

No. 05-01-MPPMCL/RO/Dir (Com)/ 246

Bhopal, dated. 01-08-2022

To,

Mr. Omkar Yadav,
General Manager (Comml),
Commercial Division, NHPC Limited,
NHPC Office Complex, Sector-33, Faridabad,
121 003- Haryana

Mail- nhpc-pt@nhpc.nic.in

Sub: - Consent for procurement from upcoming Projects of NHPC reg.


Dear Sir,

1. This has reference to your letter no. NH/Comml/New Project/610 dated 02.06.2022 vide which consent for procurement of Hydro Power from upcoming Teesta VI, Rangit IV, Ratle, Dibang MPP and Dugar projects of NHPC has been sought.
2. We have examined the details of the projects given in your said letter dated 02.06.2022 and we are pleased to convey in principle approval for procurement of certain quantum of power from various projects of NHPC subject to confirmation by Board of Directors and approval by MP Electricity Regulatory Commission as under:-

Description	Teesta VI	Rangit IV	Ratle
State/UT	Sikkim	Sikkim	UT of J&K
Installed Capacity (MW)	500	120	850
Design Energy (MU)	2400	507.88	3136.77
Peaking Capacity	2.3 Hrs.	3.0 Hrs.	1.96 Hrs.
Expected Commissioning	March'2024	May'2024	Feb'2026
Levelised Tariff (Rs./kWh)	4.07	4.37	3.92
Status of Project	Under Construction	Under Construction	Under Construction
In-principle consent of MPPMCL for procurement of power	400 MW	120 MW	500 MW

Thanking you,

Yours Sincerely


(Rajeev Kesar)
Director (Commercial)



महाराष्ट्र राज्य वितरण

MAHAVITARAN
Maharashtra State Electricity Distribution Co. Ltd.
(A Government of Maharashtra Undertaking)
(CIN: U40109MH2005SGC153645)

DR. MURHARI KELE
Director (Commercial)

Ref. No.: MSEDCL/CE/PP/ 026085

Date: 03 OCT 2022

To,
The General Manager (Comm.),
Commercial Division,
NHPC Limited,
NHPC office Complex, Sector - 33,
Faidabad - 121 003, Haryana.

Subject: Consent for Procurement of Power from 1000 MW Pakaldul HEP & 540 MW Kwar HEP located in UT of J&K being developed by CVPPPL (JV of NHPC Ltd.).

Reference: 1) NH/Comm./CVPPPL/2022/1099 dated 13.09.2022
2) MSEDCL/CE/PP/23373 dated 7.09.2022
3) NH/Comm./CVPPPL/2022/1063 dated 5.09.2022

MSEDCL is in receipt of the NHPC's letters under reference requesting MSEDCL's consent for procurement of power from 1000 MW Pakaldul HEP & 540 MW Kwar HEP located in UT of J&K being developed by CVPPPL (JV of NHPC Ltd.).

In this regards, it is to intimate that MSEDCL is interested in procurement of

- 1) 100 MW (10%) power from 1000 MW Pakaldul HEP at the intimated levellised tariff of Rs. 4.28 per unit and
- 2) 54 MW (10%) power from 540 MW Kwar HEP at the intimated levellised tariff of Rs. 4.44 per unit.

Thanking you.


Director (Commercial)
MSEDCL

Copy s.w.rs. to:

Chairman & Managing Director, MSEDCL, CO, Mumbai

Copy to:

The Chief Engineer (Power Purchase), MSEDCL, Prakashgad, Mumbai

Maharashtra State Electricity Distribution Co. Ltd.

Office of the Director (Commercial)

'Prakashgad' 6th Floor, Station Road, Bandra (E), Mumbai-400 051. Tel.: (P) 26476743 (O) : 26474211 Extn.: 2066
Email: directorcomm@mahadiscom.in / directorcommstedcl@gmail.com • Website : www.mahadiscom.in



महाराष्ट्र राज्य वितरण



Maharashtra State Electricity Distribution Co. Ltd.
(A Government of Maharashtra Undertaking)
(CIN: U40109MH2005SGC153645)

DR. MURHARI KELE
Director (Commercial)

Ref. No.: Dir-Comm/PP/NHPC/021404

Date: 12th Aug. 2022

To,
The General Manager (Comm.),
Commercial Division, NHPC Limited,
NHPC office Complex, Sector - 33,
Faidabad - 121 003, Haryana.

Subject: Consent for Procurement of Power from upcoming Hydro Projects viz. (1) 850 MW Ratle HE Project developed by Ratle Hydroelectric Power Corporation Limited (Joint Venture of NHPC Limited & JKSPDC) (2) 500 MW Dugar HE Project, Himachal Pradesh of NHPC (3) 2880 MW Dibang Multipurpose Project of NHPC.

Reference: 1) NH/CommL/new project/Dugar/2022/573 dated 27.05.2022
2) MSEDCL/CE/PP/12567 dated 23.05.2022
3) NH/CommL/Dugar/2022/419 dated 29.04.2022
4) NH/CommL/new project/Ratle/2022/322 dated 30.03.2022
5) MSEDCL/CE/PP/6484 dated 16.03.2022
6) NH/CommL/new project/Ratle/2022/151 dated 18.02.2022
7) NH/CommL/new project/Dibang MPP/2021/1466 dated 30.12.2021
8) MSEDCL/CE/PP/31458 dated 28.12.2021
9) NH/CommL/new project/Dibang MPP/2021/1448 dated 27.12.2021

Sir,

MSEDCL is in receipt of a NHPC's letters under reference requesting consent for procurement of power through Long Term PPA basis from upcoming Hydro Projects of NHPC viz. (1) 850 MW Ratle HE Project developed by Ratle Hydroelectric Power Corporation Limited (Joint Venture of NHPC Limited & JKSPDC) (2) 500 MW Dugar HE Project, Himachal Pradesh of NHPC (3) 2880 MW Dibang Multipurpose Project of NHPC.

In this regards, it is to inform that MSEDCL is interested in procurement of:

- 1) 213 MW (25%) power from 850 MW Ratle Hydroelectric Project at the intimated levellised tariff of Rs. 3.92 per unit,
- 2) 50 MW (10%) power from 500 MW Dugar HE Project at the intimated levellised tariff of Rs. 4.46 per unit and
- 3) 288 MW (10%) power from 2880 MW Dibang Multipurpose Project at the intimated levellised tariff of Rs. 4.73 per unit.

Thanking you,


Director (Commercial), MSEDCL

Copy s.w.rs to:-

Chairman & Managing Director, MSEDCL, Mumbai

Maharashtra State Electricity Distribution Co. Ltd.

Office of the Director (Commercial)

'Prakashgad' 5th Floor, Station Road, Bandra (E), Mumbai-400 051. Tel.: (P) 26476743 (O) : 26474211 Extn.: 2666
Email: directorcomm@mahadiscom.in / directorcomm@sedcl@gmail.com • Website : www.mahadiscom.in



RAJASTHAN URJA VIKAS NIGAM LIMITED

(A Government of Rajasthan Undertaking)

Corporate Identity Number (CIN) - U40104RJ2015SGC048738

Regd. Office - Vidyut Bhawan, Janpath, Jyoti Nagar, Jaipur-302005

Work Office at: Shed No. 5/4, Vidyut Bhawan, Janpath, Jaipur-302005

E-mail: ce.ruvnl@rajasthan.gov.in; Website: www.energy.rajasthan.gov.in/ruvnl

No. CE/RUVNL/F./D.

121

Jaipur, Dated: 30/05/22

General Manager (Comml.)
Commercial Division, NHPC
NHPC complex, Sector-33,
Faridabad, Haryana-121003

Subject: Consent for procurement of Power from upcoming 850 MW Ratle HE project.

Ref.: Letter no. NH/ Comml./ new project/ Ratle/ 2022/ 136 dated 18.02.2022

Sir,

In reference to above cited subject and your letter under reference, Rajasthan Urja Vikas Nigam Limited on behalf of Rajasthan Discoms conveys its consent for procurement of power on long term basis from upcoming 850 MW Ratle hydroelectric project developed by Ratle Hydroelectric Power Corporation Limited at a tariff determined by CERC.

(M.C. Bansal)

Chief Engineer, RUVNL

Copy submitted to the following for information please:

1. Managing Director JVVNL/ AVVNL/ JdVVNL, Jaipur/Ajmer/ Jodhpur
2. The Director (PT/ Finance), RUVNL, Jaipur
3. TA to CMD, RUVNL, Jaipur
4. Superintending Engineer(PP/ Billing), RUVNL, Jaipur
5. O/c, M/f

Chief Engineer



OFFICE OF THE DIRECTOR (POWER)
NEW DELHI MUNICIPAL COUNCIL
PALIKA KENDRA - NEW DELHI

No. D-65/EE(SLDG)2022

Date: 28-12-2022

Sh. Onkar Yadav,
General Manager(Comm.)
NHPC Office Complex
Sector-33 Faridabad-121003,
Haryana.

Sub: Consent for procurement of 150MW Hydro Power for a period of 25 years from upcoming Hydro Projects of NHPC.

Sir,

With reference to your letter No. NH/Comm/Now Project/2021/1137 dated 07.10.2021 followed by letter No. NH/Comm/CVPPPL/2022/1045 dated 05.09.2022 & the list of upcoming projects of NHPC shared during the meeting held in the chamber of Director (Power) NDMC on dated 11.11.2022 the undersigned is directed to convey the 'in principle approval' of the Competent Authority of NDMC for providing the consent for procurement of 150MW Hydro Power for a period of 25 years from upcoming Hydro Projects of NHPC as per the order of preference given below.

DESCRIPTION	HATLE (Preference-I)	YEESTA VI (Preference-II)	RANGIT IV (Preference-III)
INSTALLED CAPACITY (MW)	850	500	120
PROJECT OWNERSHIP	RHPCL (Joint Venture of NHPC Limited & JKSPDC)	LTHPL (wholly owned subsidiary of NHPC)	JPCL (wholly owned subsidiary of NHPC)
LEVELLED TARIFF with the quantum to be allocated (RS/KWH)	3.92	4.07	4.37
EXPECTED COMMISSIONING	Feb 2026	July 2025	August 2024

The Power Purchase Agreement (PPA) will be signed after approval of Delhi Electricity Regulatory Commission and NDMC-Council.

Thanking you,

Signed by R P Sati
Date: 27-12-2022 16:32:03
Dir (Power) (IC)
NDMC



**OFFICE OF THE CHIEF ENGINEER (TRADING),
JAMMU AND KASHMIR POWER CORPORATION LIMITED**
Regd. Office :- SLDC Building Gladni Grid Complex Jammu/
PDD Complex Bemina Srinagar.
Email :- cejkpcl@gmail.com

General Manager (Planning),
CVPPPL.

No. CE/JKPCL/J/T-CVPPPL/ 2722-24

Dated:- 08.03.2023

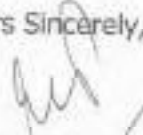
Subject: Power Purchase Agreements in respect of Pakal Dul & Kwar HEPs.

Dear Sir,

In continuation to this office comm. no. CE/JKPCL/J/T-CVPPPL/2711-13 dated: 06.03.2023, it is to intimate that the quantum of power @ 350 MW from Pakal Dul and @100 MW from Kwar HEP as approved by Finance Department, UT of J&K is exclusive of 13% (12% free power + 1% LADF) royalty power to the UT, details thereof are tabulated as under:

SNo.	Name of Power Station	Installed capacity (MW)	13% royalty power to the UT of J&K (@12% free power + 1% for LADF)	Quantum consented for procurement (MW)	Total quantum (MW)
1.	Pakal Dul	1000	130	350	480
2.	Kwar	540	70.2	100	170.2

Yours Sincerely,


Chief Engineer (Trading),
JK Power Corporation Limited,
Jammu.

Copy to the :-

1. Principal Secretary to Govt., JKPDD for information.
2. Managing Director, JKPCL for information.



**OFFICE OF THE CHIEF ENGINEER (TRADING),
JAMMU AND KASHMIR POWER CORPORATION LIMITED**
Regd. Office :- SLDC Building Gladni Grid Complex Jammu/
PDD Complex Bemina Srinagar.
Email :- cejkpci@gmail.com

CEO,
RHPCL.

No. CE/JKPCL/J/T- Ratle/ 2719-21

Dated:- 08.03.2023

Subject: Turnkey execution of 850 MW Ratle HE Project-Execution of Power Purchase Agreement (PPA) Regarding.

Dear Sir,

In continuation to this office comm. no. CE/JKPCL/J/T-Ratle/2716-18 dated: 06.03.2023, it is to intimate that the quantum of power @ 450 MW from Ratle as approved by Finance Department, UT of J&K is exclusive of 13% (12% free power + 1% LADF) royalty power to the UT, details thereof are tabulated as under :-

SNo.	Name of Power Station	Installed capacity (MW)	13% royalty power to the UT of J&K (@12% free power + 1% for LADF)	Quantum consented for procurement (MW)	Total quantum (MW)
1.	Ratle	850	110.5	450	560.5

Yours Sincerely,


Chief Engineer (Trading),
JK Power Corporation Limited,
Jammu.

Copy to the :-

1. Principal Secretary to Govt., JKPDD for information.
2. Managing Director, JKPCL for information.



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Jammu and Kashmir

e-Stamp

Certificate No.	IN-JK91606411425351U
Certificate Issued Date	15-Nov-2022 03:57 PM
Account Reference	NEWIMPACC (SV)/ JK12599104/ RAIL HEAD COMPLEX JAMMU/ JK-JM
Unique Doc. Reference	SUBIN-JKJK1259910477118557088305U
Purchased by	PADHIYAR ANISH H
Description of Document	Article 5 Agreement or Memorandum of an Agreement
Property Description	SUPPLEMENTARY PROMOTERS AGREEMENT OF CHENAB VALLEY POWER PROJECTS PRIVATE LIMITED (CVPPPL)
Consideration Price (Rs.)	0 (Zero)
First Party	JKSPDC AND JKPCDD
Second Party	NHPC LIMITED FARIDABAD
Stamp Duty Paid By	JKSPDC AND JKPCDD
Stamp Duty Amount(Rs.)	100 (One Hundred only)



SANJEEV KUMAR
STAMP VENDOR
License No. 458
Rail Head Complex, Jammu

Please write or type below this line

32

SUPPLEMENTARY PROMOTERS AGREEMENT

0029022035

1 of 21

Statutory Alert:

1. The e-stamp of this State Government shall be placed on the document required to be stamped. Stamp should appear on Stamp Pad only.
2. Any document is not valid unless the e-stamp is placed as required under the words: "Stamp is placed as it should".
3. The document lacking the e-stamp will be on the basis of the certificate.
4. In case of any violation, the government reserves the right to take any action.

SUPPLEMENTARY PROMOTERS AGREEMENT

This Agreement made on this 21st day of Nov 22 among the Lt. Governor of Jammu and Kashmir through Principal Secretary to Government, Power Development Department, Govt. of Jammu & Kashmir (hereinafter referred to as 'GOJK') which expression shall unless repugnant to the context or meaning thereof includes its successors, authorized representatives and permitted assigns of the First Part.

And

Jammu and Kashmir State Power Development Corporation Limited (CIN - U40101JK1995SGC001418) (hereinafter referred to as 'JKSPDC'), a company incorporated under the Companies Act, 1956 having its registered Office at Exhibition Ground, Srinagar-190009 through its Managing Director, which expression shall unless repugnant to the context or meaning thereof includes its successors, authorized representatives and permitted assigns of the Second part.

And

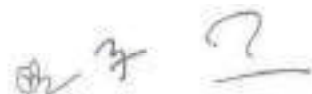
NHPC Limited (CIN - L40101HR1975GOI032564), a company incorporated under provisions of the Companies Act, 1956 having its Registered Office at NHPC Office Complex, Sector 33, Faridabad, 121003 (Haryana) (hereinafter referred to as "NHPC") through its Chairman and Managing Director, which expression shall unless repugnant to the context or meaning thereof includes its successors, authorized representatives and permitted assigns of the Third part

NHPC and JKSPDC shall in this agreement be individually referred to as 'party' and collectively as 'parties'. Whereas GOJK shall be referred to as 'confirming party'

Whereas, the Government of Jammu and Kashmir is committed to harness the hydroelectric potential of Pakal Dul (1000 MW), Kiru (624 MW), Kwar (540 MW), and Kirthai II (930 MW) hydroelectric projects with installed capacity of about 3094 MW in the Chenab River Basin in accordance with the provisions of Indus Waters Treaty and whereas the Ministry of Power, Government of India is keen to add new power generation capacity with a view to meet the gap between demand and supply in the country.

Whereas, the GoJK, JKSPDC, NHPC, and PTC have signed a Memorandum of Understanding (MoU) on 10th October, 2008, a copy of which is appended as Appendix- A.

Whereas, the parties had affirmed their joint commitment to manage and complete Pakal Dul and two other Hydroelectric Projects with aggregate installed capacity of



SECTION -7

Annexure B6

7.0 OBLIGATION OF PARTIES

- 7.1 The parties shall assist the Company by providing managerial, legal, commercial and technical support on mutually agreed consideration.
- 7.2 The Company shall not compete with either of the Parties, without the prior written consent of the Parties, as the case may be, in their respective areas of business activities. Such consent shall be granted at the sole discretion of the respective Parties, whose decision shall be final.
- 7.3 The lease hold rights of the land required for the Projects, against payment and land revenue as fixed by UT Government, shall be granted initially for a period of 40 years in accordance with UT laws. On expiry of that period, the lease shall be renewed for a further term not exceeding 40 years at a time subject to Maximum period of 90 years.
- 7.4 Each party agrees to keep in confidence and to use the same degree of care as it uses with respect to its own proprietary data to prevent disclosure to third parties of all technical information, data and confidential business information (hereinafter referred to as "Data"). Exchange, use and maintaining confidentiality of Data shall be mutually discussed and agreed to by the parties.

SECTION-8

8.0 SHARING OF BENEFITS

- 8.1 The benefits of Joint Venture shall be shared by respective parties in proportion to their actual contribution in share holding of Company.
- 8.2 The GoJK shall get 12% free power generated from the Projects. An additional 1% free power for local area development fund shall also be provided by the Company. The fund shall be operated as per the guidelines issued in the Hydro Power Policy 2008. Further, out of balance 87% power, the GoJK would have the right to purchase power from the Company in proportion to the share of JKSPDC in the equity of the Company at the price determined as per regulatory norms. After this, the balance power will be sold by NHPC at the market price to the purchaser with the first right of refusal being given to Jammu & Kashmir Power Development Department.

SECTION-9

9.0 RIGHTS AND OBLIGATIONS OF THE GOVERNMENT OF JAMMU & KASHMIR AND OF THE COMPANY

- 9.1 Revenue receipts on account of sale of timber, royalty on river bed materials etc. arising as a result of the submergence of areas by the Projects shall accrue to GoJK.

B.14

No.10/1/2008-NHPC (Vol.V)
Government of India
Ministry of Power

SECRET



Government of Jammu and Kashmir
Power Development Department

Subject:- Implementation of 1000 MW Pakal Dul HEP- providing of concessions thereof.

Reference:- Cabinet Decision No. 114/09/2014 dated 19.06.2014

Government Order No. 130-PDD of 2014
Dated 20.06.2014

Sanction is hereby accorded to that:

- I. Exemption from VCT/entry tax and waiver of 12% free power as well as water user charges for a period of 10 years from the completion of the project in respect of 1000 MW Pakal Dul HEP.
- II. Purchase of 49% of power from the Pakal Dul HEP.

By order of the Government of Jammu and Kashmir

Sd/
(A. K. Mehta) IAS
Principal Secretary to Government
Power Development Department

No. PAD/IV/34/2008

Dated. 20.06.2014

Copy to the

1. Secretary, Ministry of Power, Government of India, Shram Shakti Bhawan, New Delhi.
2. Principal Secretary to Government, Planning & Dev. Department.
3. Principal Secretary to Govt. Finance Department.
4. Principal Secretary to Hon'ble Chief Minister.
5. Chairman, Chenab Valley Power Project's Public Limited, Jammu.
6. CMD, National Hydroelectric Power Corporation, NHPC Office Complex, Section 33, Faridabad 121003
7. Secretary to Government, General Administration Department.
8. Managing Director, J&K SPDC, Srinagar.
9. Secretary to Government, Law Department.

(4)

GOVERNMENT OF JAMMU & KASHMIR
Power Development Department,
Civil Secretariat, Jammu.

Subject: Implementation of 540 MW Kwar HE Project Annexure B. to the PIB Memo thereof; reg.
Ref: Administrative Council Decision No. 140/16/2021 dated 15.12.2021.

Government Order No: Z-8 -JK (PDD) of 2021.
Dated: 28 - 12 - 2021.

Sanction is hereby accorded to the partial modification of Government Order No 172-PDD of 2020 dated 11-11-2020 issued under endorsement No. PDD/IV/61/2008-I dated: 11.11.2020 as under:-

1. Para -A (i) is replaced by the following formulation

A. For 540 MW Kwar HEP :-

i) Exemption of free power in a decremental manner from the COD of the project upto 5th year. The exemption of free power will be 10% in the first year and will decrease by 2% every year upto 5th year after COD of the project. The share of free power will restore to 12% from 6th year onwards.

2. Para -A (viii) deleted.

3. The following para occurring after para B (ix) is deleted and replaced by the formulation as below :-

The concessions at (i), (ii) and (iii) being granted in respect of 540 MW Kwar HEP are conditional and are predicated on the understanding that corresponding concession(s) at (vii) will be accorded by the Government of India.

By order of the Lieutenant Governor.

Sd/-
(Nitishwar Kumar) IAS
Principal Secretary to the Government

PDD-PS/20 /2021-01-PDD

Dated 28.12.2021

Copy to the:

1. Secretary, Ministry of Power, Government of India, New Delhi.
2. Financial Commissioner, Finance.
3. Joint Secretary (J&K) Ministry of Home Affairs, Government of India.
4. Principal Secretary to Government, General Administration Department.

5. Secretary to the Government, Planning Development & Monitoring Department.
6. Secretary to the Government, Department of Law, Justice and Parliamentary Affairs.
7. CMD, National Hydroelectric Power Corporation, NHPC office complex, Sector-33, Faridabad.
8. Managing Director, JK Power Development Corporation Limited.
9. Director, Archives, Archeology and Museums, J&K, Jammu.
10. Director, Finance, Power Development Department.
11. Managing Director, CVPPPL, J&K Jammu.
12. Private Secretary to Chief Secretary, UT of J&K.
13. Private Secretary to Principal Secretary to Government, PDD.
14. I/C website, PDD.
15. Government Order file (w.2.s.c.).
16. Stock file.

Annexure B


(Dr. Tahir Firdous), JKAS

Additional Secretary to the Government

3

Government of Jammu and Kashmir
Power Development Department
Civil Secretariat, Jammu

Subject:- Implementation of 540 MW Kwar HE Project, 624 MWs Kiru HE Project and 1000 MW Pak Dul HE Project providing of concessions thereof.

Reference: Administrative Council Decision No. 133/22/2020 dated 21-10-2020.

Government Order No: 172 - PDD of 2020
D A T E D: 11 - 11 - 2020

Sanction is hereby accorded to the:-

A. For 540 MW Kwar HEP:-

- i) Exemption of 12% Free Power for a period of 10 years from the first year of Commercial Operation (CoD) of the Project.
- ii) Waiver of Water Usage Charges (WUC) for a period of 10 years from the first year of Commercial Operation (CoD) of the Project.
- iii) Reimbursement of SGST by the Union Territory of Jammu and Kashmir for all supplies to the project.
- iv) In principle consent to purchase 49% of power generated, (less 1% of the total power generation from Kwar HE Project for LADF), for a period of 10 years from the date of Commissioning of the Project.
- v) In principle consent to the purchase of 49% of power generated, (less 13% of the Total power generation from Kwar HE Project (1% for LADF and 12% Free Power)), after 10 years from the date of Commissioning of the Project.

Page 01/03

CGM (PKD) / GM (Kwar) / GM-S/C (Kiru)

GM (Kwar) / GM (Gin) / GM (plug)

for information & further nodal.

by
12/11/2020.

Consent with Com. Secy.

CVPP Limited
100 Secy.
Dated: 12/11/2020
4642

- 7
- vi) Approval for exercising first Right of Refusal for purchase of the balance power from Kwar HE Project. Decision in this regard shall be conveyed by the Power Development Department to M/S CVPPPL at appropriate time.
 - vii) Approval for taking up the matter with GoI for 'Sanction of JKSPDCL equity as Grant to M/S CVPPPL from GoI for implementation of Kwar HE Project.'
 - viii) Approval for taking up the matter with GoI for 'Sanction of Subordinate debt of Rs. 2000 Cr @ 1% interest after completion of the Project with repayment to start from the 7th year after completion of the Project and continue till the 18th year. There shall be no interest on Subordinate debt during construction and the interest will accrue and be paid annually after commissioning.'

B. For 1000 MW Pakal Dul HEP and 624 MW Kiru HEP:-

- ix) Reimbursement of SGST by the Union Territory of Jammu and Kashmir for all supplies to the Projects.

The concessions at (i), (ii) and (iii) being granted in respect of 540 MW Kwar HEP are conditional and are predicated on the understanding that corresponding concessions at (vii) and (viii) will be accorded by the Government of India.

By order of the Government of Jammu and Kashmir.

Sd/-
(Rohit Kansal) IAS
Principal Secretary to the Government
Dated: 11-11-2020

No. PDD/IV/61/2018-I
Copy to the:-

1. Secretary, Ministry of Power, Government of India, Shram Shakti Bhawan, New Delhi.
 2. Financial Commissioner, Finance.
- Page 02/02

3. Principal Secretary with the Hon'ble Lieutenant Governor.
4. Managing Director, J&K Power Development Corporation, Jammu.
5. Joint Secretary (J&K), Ministry of Home Affairs, Government of India, New Delhi.
6. Commissioner/Secretary to the Government, General Administration Department.
7. Secretary to the Government, Jal Shakti Department.
8. Secretary to the Government, Planning, Development and Monitoring Department.
9. Secretary to the Government, Department of Law, Justice & Parliamentary Affairs.
10. CMD, National Hydro Electric Power Corporation, NHPC Office Complex, Sector-33, Faridabad.
11. Director, Archives, Archaeology and Museums, J&K, Srinagar.
12. Director Finance, Power Development Department.
13. Managing Director, CVPPPL, J&K Jammu.
14. OSD to Advisor (BK) to the Hon'ble Lieutenant Governor, I/C PDD.
15. Private Secretary to the Chief Secretary.
16. Private Secretary to the Secretary to the Government, Power Development Department.
17. In-charge Website, PDD.
18. Government Order File (w.3.s.c).
19. Stock file.

(Dr. Tahir Firdous) KAS

Additional Secretary to the Government



सत्यमेव जयते

INDIA NON JUDICIAL Government of Jammu and Kashmir

e-Stamp

Certificate No.	: IN-JK05976911389503T
Certificate Issued Date	: 12-Apr-2021 09:51 AM
Account Reference	: NEWIMPACC (SV) / 12519204/ JAMMU/ JK-JM
Unique Doc. Reference	: SUBIN-JKJK1251920411517767580195T
Purchased by	: Sanjeev Arora
Description of Document	: Article 5 Agreement or Memorandum of an Agreement
Property Description	: Promoters agreement formation incorporation joint venture company Implementation Ralte HE Project
Consideration Price (Rs.)	: 0 (Zero)
First Party	: JKSPDC AND JKPDG
Second Party	: NHPC LTD Faridabad
Stamp Duty Paid By	: JKSPDC AND JKPDG
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)

Signature
RAJESH KOHLI
 Stamp Vendor
 Licence No. 310
 Mubarak Mandi, Jammu.



Please write or type below this line

PROMOTERS' AGREEMENT

Signature *Signature*

KC 0002281544

Statutory Alert

1. The authenticity of this Stamp certificate should be verified at www.e-stamp.gov.in or using e-Stamp Mobile App of State Hiding.
2. For transfer checking the legitimacy is via the back of the certificate.
3. In case of any discrepancy please inform the Complaint Number.

Hon'ble Lieutenant Governor of Union Territory of Jammu and Kashmir for and on behalf of the President of India, through Principal Secretary to Government, Power Development Department, Govt. of Union Territory of Jammu & Kashmir which expression shall unless repugnant to the context or meaning thereof includes its successors, authorized representatives and permitted assigns of the First Part.

And




Jammu and Kashmir State Power Development Corporation Limited (hereinafter referred to as 'JKSPDCL'), a company incorporated under the Companies Act, 1956 having its registered Office at Exhibition Ground, Srinagar-190001 through its Managing Director, which expression shall unless repugnant to the context or meaning thereof includes its successors, authorized representatives and permitted assigns of the Second part.

And

NHPC Limited, a company incorporated under provisions of the Companies Act, 1956 and also a Generating & Power Trading company within the meaning of the Electricity Act, 2003, having its Registered Office at NHPC Office Complex, Sector 33, Faridabad, 121003 (Haryana) (hereinafter referred to as "NHPC") through its Chairman and Managing Director, which expression shall unless repugnant to the context or meaning thereof includes its successors, authorized representatives and permitted assigns of the Third part

JKSPDCL and NHPC shall in this agreement be individually referred to as 'party' and collectively as 'parties'. Whereas Government of Union Territory of Jammu and Kashmir shall be referred to as 'confirming party'

Whereas, the Government of Jammu and Kashmir is committed to harnessing the hydroelectric potential of Chenab River through Ratle Hydroelectric Project of installed capacity 850 MW in the Chenab River Basin in accordance with the provisions of Indus Waters Treaty and whereas the Ministry of Power, Government of India is keen to add new power generation capacity with a view to meet the gap between demand and supply in the country.

SECTION - 7**7.0 OBLIGATION OF PARTIES**

- 7.1 The parties shall assist the Company by providing managerial, legal, commercial and technical support on mutually agreed consideration.
- 7.2 The Company shall not compete with either of the Parties, without the prior written consent of the Parties, as the case may be, in their respective areas of business activities. Such consent shall be granted at the sole discretion of the respective Parties, whose decision shall be final.
- 7.3 The lease hold rights of the land required for the Project, against payment as fixed by Government of Union Territory of Jammu and Kashmir, shall be granted for the life of the project as per applicable laws of Union Territory of Jammu and Kashmir.
- 7.4 Each party agrees to keep in confidence and to use the same degree of care as it uses with respect to its own proprietary data to prevent disclosure to third parties of all technical information, data and confidential business information (hereinafter referred to as "Data"). Exchange, use and maintaining confidentiality of Data shall be mutually discussed and agreed to by the parties.
- 7.5 The JVC will not be under obligation to bear any cost arisen from any arbitral/ contractual liability pending against the project prior to its takeover by the JVC from JKPDD.
- 7.6 The cost of work done on the project at the time of its taking over as assessed by IIT Delhi, who have already been appointed by the then GoJK, shall be booked to the JVC.

SECTION - 8**8.0 SHARING OF BENEFITS**

- 8.1 The benefits of Joint Venture shall be shared by respective parties in proportion to their actual contribution in share holding of Company.
- 8.2 In accordance with the extant National Hydro Policy of the GoI, the Government of Union Territory of Jammu and Kashmir is entitled to have 12% free power and additional 1% free power for the Local Area Development Fund(LADF). However, to make the Project viable, Government of Union Territory of Jammu and Kashmir has agreed to provide exemption for free power in a decremental manner (i.e the free power to the Government of Union Territory of Jammu and Kashmir would be 1% in the first year after the Commercial Operation Date (COD) rising

1% per year to 12% in the 12th year), exemption of water cess for 10 years from the Commercial Operation Date and local taxes including reimbursement of SGST during the construction period. However, UT of J&K shall get 1% free power for the Local Area Development Fund(LADF) from the first year after the Commercial Operation Date (COD) of the Project.

- 8.3 The Government of Union Territory of Jammu and Kashmir shall be entitled to have first right of refusal for purchase of power from the JVC in proportion to the share of JKSPDCL, in the equity of the JVC at the price determined as per regulatory norms.

SECTION - 9

9.0 RIGHTS AND OBLIGATIONS OF THE GOVERNMENT OF UNION TERRITORY OF JAMMU & KASHMIR/JKSPDCL AND OF THE COMPANY

- 9.1 The Government of Union Territory of Jammu and Kashmir / JKSPDCL shall facilitate the transfer of all clearances from the Government of India and Union Territory Government as would be mandatory for the Project implementation, in favour of JVC.
- 9.2 Revenue receipts on account of sale of timber, royalty on river bed materials etc. arising as a result of the submergence of areas by the Project shall accrue to Government of Union Territory of Jammu and Kashmir.
- 9.3 Rights in fisheries, navigation, exploitation of tourism potential etc. in respect of the ponds created by the Project shall vest with the Government of Union Territory of Jammu and Kashmir.
- 9.4 Government of Union Territory of Jammu and Kashmir will have the right to develop / allot other schemes proposed to be executed in the upstream and downstream as also in the vicinity of the Project provided design and execution of such schemes does not affect design & operation of the Project adversely.
- 9.5 Without prejudice to Government of Union Territory of Jammu and Kashmir land laws, the Company shall have exclusive rights over the Project.
- 9.6 The design, construction and operation of the Project would be as per provisions of the Indus Waters Treaty. Company shall also render all assistance needed by the Govt. of India in view of the provisions of the Treaty.
- 9.7 The Company would comply with conditions imposed by the Government of India from time to time in respect of clearances to the Project. It would also

**Government of Jammu and Kashmir
Power Development Department
Civil Secretariat, Jammu**

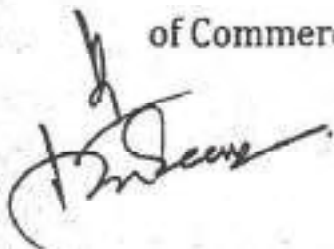
Subject:- Implementation of 850 MW Ratle HEP through a Joint Venture Company with NHPC Limited-Approval of Supplementary MoU and providing of concessions thereof.

Reference: Administrative Council Decision No138/24/2020 dated 27-11-2020

**Government Order No: 177 - PDD of 2020
D A T E : 01 - 12 - 2020**

Sanction is hereby accorded to the:-

- (I) Formation and incorporation of a Joint Venture Company (JVC) between NHPC and Jammu & Kashmir State Power Development Corporation Ltd. (JKSPDC) under the name "Jammu Hydroelectric Power Corporation Limited" with equity contribution of 51% and 49% by NHPC & JKSPDC, respectively, wherein the share of NHPC in the JV should not be brought below 51% and share of JKSPDC should not be brought below 49%.
- (II) Exemption of free power from 850 MW Ratle HEP in a decremental manner from first year of Commercial operation of project (CoD) upto 12th year. The exemption of free power will be 11% in the first year and will decrease by 1% every year upto 12th year after COD of the project. The share of free power will restore to 12% from 12th year onwards.
- (III) Waiver of water usage charges (WUC) for 850 MW Ratle HEP for a period of 10 years from the first year of Commercial operation (CoD) of the Project.



Page 01/03

(IV) Reimbursement of SGST by the Union Territory of Jammu and Kashmir for all supplies to the project.

(V) Signing of the Supplementary MoU between JKPDD, Government of Union Territory of J&K and JKSPDCL with NHPC Limited for implementation of 850 MW Ratle HEP in Kishtwar J&K. The supplementary MoU will be read along with the original MoU signed on Feb 3, 2019

(VI) Authorizing the Principal Secretary to the Government of Union Territory of J&K, PDD to take such actions and sign such documents as may be required in this regard for registration of the JV Company, signing of the MoU and all other consequential actions arising out of the above decisions.

By order of the Government of Jammu and Kashmir.

Sd-

(Rohit Kansal) IAS

Principal Secretary to the Government

Dated: -12-2020


No. PDD/IV/42/2019-I

Copy to the: -

1. Secretary, Ministry of Power, Government of India, Shram Shakti Bhawan, New Delhi.
2. Financial Commissioner, Finance.
3. Joint Secretary (J&K), Ministry of Home Affairs, Government of India, New Delhi.
4. Principal Secretary with the Hon'ble Lieutenant Governor.
5. Commissioner/Secretary to the Government, General Administration Department.
6. Secretary to the Government, Jal Shakti Department.
7. Secretary to the Government, Planning, Development and Monitoring Department.
8. Secretary to the Government, Department of Law, Justice & Parliamentary Affairs.

9. Managing Director, J&K Power Development Corporation, Jammu.
10. CMD, National Hydro Electric Power Corporation, NHPC Office Complex, Sector-33, Faridabad
11. Director, Archives, Archaeology and Museums, J&K, Srinagar.
12. Director Finance, Power Development Department.
13. Managing Director, CVPPPL, J&K Jammu.
14. OSD to Advisor (BK) to the Hon'ble Lieutenant Governor, I/C PDD
15. Private Secretary to the Chief Secretary.
16. Private Secretary to the Principal Secretary to the Government, Power Development Department.
17. In-charge Website, PDD.
18. Government Order File (w.3.s.c).
19. Stock file.


(Malik Waseem) KAS

 Deputy Secretary to the Government

HARYANA POWER PURCHASE CENTRE
UHBVN Head Office, Sector-14, Panchkula
Ph. No. 0172-2583728
E-mail: cehppc@uhbvn.org.in

From

Chief Engineer
HPPC, Panchkula

To

General Manager (Comm.)
NHPC Office Complex,
Sector-33, Faridabad
Haryana- 121003

Memo No. Ch-76/CE/HPPC/SE/C&R-I/PPA-121

Dated: 01.02.2023

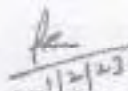
Subject: Regarding draft Power Purchase Agreements forwarded by NHPC.

- Ref: 1) NH/Comm./2022/1416 dated 29.12.2022
2) HPPC letter no. Ch-72/CE/HPPC/SE/C&R-I/PPA-121 dated 26.12.2022
3) NHPC letter no. NH/Comm./2022/1329 dated 16.11.2022
4) HPPC letter no. Ch-63/CE/HPPC/SE/C&R-I/PPA-121 dated 14.11.2022

Please refer your office memo No. NH/Comm./2022/1416 dated 29.12.2022 vide which Haryana is requested to confirm the modification/suggestion of NHPC in draft PPAs for subsequent signing of PPAs between NHPC and HPPC.

In this regard, it is intimated that consent for procurement of power from NHPC projects was given subject to the approval of HERC. HPPC has to take Source approval and PPA approval from HERC (Haryana Electricity Regulatory Commission) before signing the PPA. HPPC can approach HERC only after the firm allocation by MoP, GoI. It is pertinent to mention here that fee to be deposited in HERC for source approval and PPA approval is directly depends on the quantum to be procured.

Therefore, it is intimated that HPPC confirms the suggestion proposed by NHPC in draft PPAs. Further, it is also reiterated that HPPC can sign the PPA only after firm allocation by MoP, GoI and PPA approval by HERC.


11/2/23
Chief Engineer,
HPPC, Panchkula

CC:

1. SPS to MD/UHBVN, Panchkula for kind information of MD/UHBVN, please.
2. SPS to Director/Finance, Panchkula for kind information of Director/Finance, please.

HARYANA POWER PURCHASE CENTRE
IP 3 & 4, UHBVN Head Office, Sector-14, Panchkula
Ph. No. 0172-2583728
E-mail: cehppc@uhbvn.org.in

From

Chief Engineer
HPPC, Panchkula

To

General Manager (Comml.)
NHPC Office Complex,
Sector-33, Faridabad
Haryana- 121003

Memo No. Ch-80/CE/HPPC/SE/C&R-I/PPA-121

Dated: 30.05.2023

Subject: Regarding draft Power Purchase Agreements forwarded by NHPC for Pakaldul and Kwar HEP.

- Ref:** 1. NHPC office memo No. NH/Comml./CVPPPL/2022/1044 dated 05.09.2022
2. HPPC memo no. Ch-64/CE/HPPC/SE/C&R-I/PPA-121 dated 14.11.2022
3. NHPC office memo No. NH/Comml./ 2023/270-71 dated 12.04.2023

In reference to memo at S. No. 3, HPPC provides the approval of draft PPAs for Pakaldul and Kwar HEP. However, HPPC will sign the PPAs after MoP allocation and source & PPA approval by HERC.

This is for your kind information please.


30/5/23
Chief Engineer
HPPC, Panchkula

CC:

1. SPS to MD/UHBVN, Panchkula for kind information of MD/UHBVN, please.
2. SPS to Director/Finance, Panchkula for kind information of Director/Finance, please.
3. SPS to MD/CVPPPL for kind information of MD/CVPPPL, please.

Minutes of Special meeting to finalize the methodology for settlement of excess energy flown through the tertiary of ICT-I of Sundergarh S/s of PGCIL for the period 23rd Oct'2017 to Oct'2018 held on 24.02.2022 (Thursday) through MS Team platform.

List of participants is enclosed.

SE(Comml.) welcomed all the participants in the special meeting. He informed that as per the decision taken in the 41st Commercial Sub Committee Meeting of ERPC held on 27.11.2019 in the agenda item B14.2 : Billing of Auxiliary power consumption through tertiary of ICTs in Powergrid S/s of Odisha, Tertiary Energy Consumption SEM data in respect of ICT-I of Sundergarh Substation of PGCIL is much higher than the actual energy consumption due to CT & PT ratio considered by ERLDC and Actual ratio at site are different. It was decided that ERLDC will provide the necessary revised data after considering the corrected CT & PT ratios and DSM Account of GRIDCO will be revised accordingly. He further informed that ERLDC vide email dated 07th February, 2022 had sent the revised data to ERPC.

After detailed deliberation, the following methodologies were adopted for settlement of excess energy billed to GRIDCO:

1. ERLDC will provide the average monthly frequency data for the above period to ERPC.
2. Based on average monthly frequency data and revised drawl data, ERPC will revised the DSM Account of GRIDCO for the above period.

Meeting ended with a vote of thanks.

List of Participant:

1. Shri Shyam Kejriwal, SE(Comml), ERPC,
2. Shri S K Pradhan, AD(Comml), ERPC
3. Shri Madhusudan Sahoo, DGM, GRIDCO
4. Shri Sanjit Kumar Maharana, DGM, GRIDCO
5. Shri A K Sahu, DGM, PGCIL (Odisha Project)
6. Shri Nadim Ahmad, DGM, ERLDC
7. Shri Manas Das, CM, ERLDC
8. Shri Ranadip Das, DM, ERLDC

TERTIARY TRANSFORMER CONSUMPTION DATA OF PGCIL GRIS S/S'S IN ODISHA (In MU)

DISCOMs	TPCODL			TPSODL			TPNODL			TPWODL		
MONTH/STATION NAME	Angul Tertiary	Rengali Tertiary	Pandilabi Tertiary (415 V side)	Jaypur Tertiary (430 V)	Jaypur Statcom contd ter t/f-	Jaypur Statcom T/F(28KV)	Keonjhar Tertiary (33KV)	Baripada Tertiary	Sundargarh Tertiary (33 KV)	Bolangir Tertiary (415 V)	Rourkela Statcom Aux (33KV)	Rourkela Aux T/F for Statcom
Oct-17 (23.10.17-31.10.17)	NP5942-A (ES-95) 0.041913	ER1020-A ET-05 0.000000	NP7462-A (ES-39) 0.000000	NP5965-A (ET-10) 0.000300	ER1600-A (ET-64) 0.000000	ER1599-A (ET-65) 0.000000	NP7921-A (ET-11) 0.028911	ER1452-A (EM-69) 0.012014	ER1019-A ES-93 0.000000	NP7951-A (ET-03) 0.011718	ER1069-A (ET-49) 0.000000	ER1184-A ET-59 0.000000
Nov-17	0.134199	0.014189	0.000004	0.001061	0.000000	0.000000	0.094590	0.021206	0.205210	0.033671	0.000000	0.000000
Dec-17	0.137461	0.022652	0.026181	0.001302	0.000000	0.000000	0.101772	0.000000	0.375158	0.030444	0.000000	0.000000
Jan-18	0.121894	0.028409	0.028834	0.001391	0.000000	0.000000	0.095211	0.029166	0.326935	0.029881	0.000000	0.000000
Feb-18	0.122865	0.015973	0.026458	0.001192	0.000000	0.000000	0.091870	0.035878	0.387528	0.031322	0.023868	0.000000
Mar-18	0.130870	0.027649	0.037191	0.001643	0.000000	0.000000	0.101284	0.016446	0.453281	0.039966	0.025752	0.000000
Apr-18	0.140313	0.043806	0.038369	0.002169	0.000000	0.000000	0.110214	0.035047	0.522141	0.043230	0.010618	0.000000
May-18	0.159996	0.041079	0.044131	0.002891	0.000000	0.000000	0.122693	0.051715	0.584990	0.047667	0.031116	0.000000
Jun-18	0.152065	0.037358	0.044764	0.001828	0.014786	0.000000	0.109510	0.061723	0.561098	0.046102	0.034320	0.000000
Jul-18	0.155808	0.035807	0.045831	0.001337	0.065738	0.000000	0.127675	0.064423	0.570038	0.039012	0.070789	0.000000
Aug-18	0.166629	0.028359	0.060502	0.001518	0.065853	0.000000	0.137623	0.067127	0.573334	0.045464	0.053156	0.000000
Sep-18	0.162461	0.033656	0.045177	0.001658	0.073035	0.000000	0.129108	0.057858	0.361770	0.043587	0.066624	0.000000
Oct-18	0.163470	0.036374	0.040059	0.001565	0.068114	0.000000	0.155231	0.052222	0.163721	0.036859	0.067375	0.000000
Nov-18	0.151988	0.027892	0.034970	0.001121	0.060742	0.000000	0.108055	0.058697	0.172222	0.029777	0.048111	0.000000
Dec-18	0.135692	0.023205	0.015348	0.001357	0.044370	0.012281	0.111753	0.055738	0.146061	0.029261	0.056174	0.000000
Jan-19	0.131051	0.021510	0.032987	0.001432	0.006404	0.041069	0.119353	0.053702	0.145266	0.029158	0.057177	0.000000
Feb-19	0.121425	0.020158	0.031460	0.001242	0.048759	0.000763	0.110453	0.056466	0.160610	0.025445	0.052893	0.000000
Mar-19	0.148575	0.030852	0.036045	0.001411	0.073164	0.000000	0.131775	0.085692	0.137369	0.037190	0.104377	0.000000
Apr-19	0.154149	0.046664	0.040195	0.001586	0.018690	0.029732	0.152888	0.073376	0.127678	0.047620	0.102101	0.000000
May-19	0.167066	0.044019	0.042120	0.001721	0.000000	0.000000	0.154671	0.082725	0.146567	0.049852	0.085942	0.000000
Jun-19	0.163643	0.043919	0.043016	0.001474	0.031173	0.020451	0.152416	0.077891	0.135050	0.046557	0.000000	0.000000
Jul-19	0.150406	0.039682	0.038248	0.001263	0.038198	0.000000	0.132257	0.073355	0.133855	0.043194	0.000000	0.000000
Aug-19	0.138898	0.033980	0.023885	0.001328	0.040587	0.027137	0.138983	0.068631	0.119752	0.042991	0.033807	0.000000
Sep-19	0.138366	0.032701	0.046477	0.001510	0.056467	0.028317	0.120428	0.063062	0.127500	0.036984	0.039162	0.000000
Oct-19	0.113990	0.020798	0.037737	0.001540	0.058185	0.024610	0.108905	0.064433	0.090435	0.036068	0.066591	0.000000
Nov-19	0.100785	0.022720	0.040775	0.001395	0.063729	0.000000	0.089948	0.057965	0.089264	0.025182	0.012907	0.000000
Dec-19	0.092874	0.024717	0.039533	0.001227	0.031022	0.027945	0.095726	0.056452	0.089374	0.015406	0.001207	0.000000
Jan-20	0.092175	0.028653	0.041146	0.001136	0.032707	0.028890	0.097648	0.055008	0.093766	0.025784	0.003576	0.000000
Feb-20	0.105537	0.022715	0.033085	0.000765	0.044962	0.010564	0.094518	0.049805	0.092853	0.023000	0.000245	0.000000
Mar-20	0.110303	0.033432	0.041611	0.001124	0.063069	0.000000	0.102753	0.051748	0.111150	0.028527	0.000266	0.000000
Apr-20	0.111652	0.033887	0.038584	0.000000	0.029509	0.035198	0.123983	0.051477	0.100512	0.034971	0.049505	0.000000

May-20	0.134126	0.037417	0.039794	0.000000	0.046219	0.028094	0.145742	0.074400	0.131191	0.042001	0.071871	0.000000
Jun-20	0.132997	0.036382	0.037348	0.000000	0.018343	0.045088	0.144743	0.068854	0.126900	0.039724	0.058815	0.000000
Jul-20	0.132624	0.039498	0.038777	0.000490	0.004636	0.057019	0.147332	0.077163	0.139628	0.041691	0.061906	0.000000
Aug-20	0.140897	0.032081	0.040851	0.000611	0.005476	0.056069	0.150970	0.076369	0.113192	0.041517	0.010850	0.000000
Sep-20	0.138026	0.032292	0.037759	0.001382	0.005072	0.048907	0.142584	0.062309	0.104850	0.041262	0.000126	0.000000
Oct-20	0.112193	0.032959	0.034954	0.001349	0.004293	0.058654	0.139694	0.069523	0.102837	0.037085	0.000156	0.000000
Nov-20	0.105423	0.027918	0.033007	0.001134	0.002958	0.051837	0.123144	0.043795	0.086560	0.028871	0.000122	0.000000
Dec-20	0.077998	0.028867	0.031943	0.001228	0.002953	0.048950	0.123525	0.053302	0.093196	0.027830	0.000092	0.000000
Jan-21	0.077758	0.031328	0.033644	0.001335	0.019678	0.033854	0.123732	0.046962	0.101897	0.027153	0.000016	0.000000
Feb-21	0.087483	0.043111	0.031277	0.001345	0.022073	0.026021	0.114469	0.016424	0.090628	0.022896	0.004993	0.000000
Mar-21	0.113063	0.045485	0.039573	0.001172	0.031317	0.038340	0.145842	0.019610	0.113545	0.032007	0.000149	0.000000
Apr-21	0.118183	0.034948	0.039573	0.001549	0.021324	0.045721	0.149777	0.022624	0.112684	0.037277	0.006935	0.038145
May-21	0.112041	0.037882	0.039480	0.002235	0.045512	0.028264	0.159710	0.019834	0.106570	0.038138	0.011654	0.047806
Jun-21	0.113088	0.035149	0.041614	0.001387	0.042422	0.028501	0.165582	0.021554	0.108160	0.037039	0.008254	0.044270
Jul-21	0.088863	0.036532	0.043212	0.001318	0.009617	0.061904	0.177439	0.071692	0.103743	0.037108	0.004136	0.043497
Aug-21	0.095765	0.040139	0.043281	0.006220	0.044088	0.028189	0.165139	0.046084	0.111172	0.036462	0.006103	0.040624
Sep-21	0.051338	0.036732	0.038173	0.029387	0.063269	0.023473	0.043321	0.046842	0.109018	0.035334	0.006004	0.039051
Oct-21	0.049876	0.038220	0.039858	0.020164	0.053541	0.022838	0.042978	0.049273	0.108693	0.035144	0.004226	0.037807
Nov-21	0.040928	0.034675	0.030801	0.058128	0.035461	0.027134	0.035702	0.039839	0.093204	0.028704	0.003145	0.031639

UCC
33.12.21
A.G.M.(Elect.)
SLDC, Bhubaneswar

SLDC
33.12.21
D.G.M.(Comm.)
SLDC, Bhubaneswar

SLDC
33.12.21
Sr.G.M.(BSSR)
SLDC, Bhubaneswar

A.G.M.(E), SLDC
OPTCL, BBSR-17

Dy. General Manager (Elect.)
SLDC, OPTCL, Bhubaneswar

Sr. General Manager (Elect.)
SLDC, OPTCL, BBSR-17



812000000047

BILL OF SUPPLY FOR ELECTRICITY

Consumer Name	: M/S. POWERGRID CORPORATION OF INDIA LTD	Rebate Date	: 06/07/2023
Address Details	: Drawal of Auxillary Power through tertiary loading 765/400 KV Pooling station Station. SUNDARGARH, PINCODE:0	Due Date	: 10/07/2023
Email Id	: sundargarhss@powergrid.in	Consumer A/c No.	: 812000000047
Mobile No	: 9304382439	Consumer ID	: 142100011315
		Old Consumer No.	:
		Bill Number	: 812000007232324536
		Bill Issue Date	: 03/07/2023
		Bill Basis	: ACTUAL
		Last Bill Issue Date	: 02/06/2023
		Bill Month	: 2023/06

Area Details	Connection Details	Supply and Meter Details
Division : SED SUNDARGARH	Tariff Category : GENERAL PURPOSE >= 110 KVA	Power Factor : 0.9506
Sub-Division : SDO UJALPUR	Category Type : HT	Power ON Hour : 720
Section : ESO UJALPUR	Contract Demand : 410 KVA	Billable Demand-KVA : 328.000
DT No. :	Supply Voltage : 33 KV	Meter Sl. No. : ER1019
Pole No. :	Own Transformer : NO	Col. Meter No. :
MRU No. :	ED Exemption : NO	Bill Period : 01/06/2023 - 30/06/2023
Walking Sequence :	Date of Connection : 01/10/2021	Bill Days/Months : 30/1.0000
Organization Type :	Security Deposit : 12,00,152.00	Load Factor : 59.2400
Connection Type :	Metering Side : HT	Meter Reading : ACTUAL METER
	Consumer Status : Active	Main Meter MF : 3.77
	Transformer Rating : 0 KVA	

Meter Reading Details							
Parameter	Prev Reading	Current Reading	Diff	T.F Loss	Total		
KWH	20,18,536.3000	20,50,649.0000	32,112.7000	0.00	121,152.0000		
MD-KW	0.0000	0.0000		0.00	0.0000		
KVAH	21,56,850.8000	21,90,631.2000	33,780.4000	0.00	127,443.0000		
MD-KVA	405.6000	79.2000		0.00	298.7978		
Timing Slot	Slot-1	Slot-2	Slot-1	Slot-2	Slot-1	Slot-2	
Off Peak KWH	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Off Peak KVAH	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Off Peak MD-KW	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
Peak KWH	20,18,536.3000	20,50,649.0000	32,112.7000	0.0000	0.00	0.00	121,152.0000
Peak KVAH	21,56,850.8000	21,90,631.2000	33,780.4000	0.0000	0.00	0.00	127,443.3200
Peak MD-KW		0.0000	0.0000	0.0000	0.00	0.00	0.0000
Off Peak MD-KVA	0.0000	0.0000	0.0000	0.0000	0.00	0.00	0.0000
Peak MD-KVA	64.4000	79.2000	0.0000	0.0000	0.00	0.00	298.7978
KVARH	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.0000
KVARH Lead	0.0000	0.0000	0.0000	0.0000	0.0000	0.00	0.0000

Due Date: 10/07/2023
(Immediate for Arrears)
Total Amount Payable
Rs. 2,81,91,490.00
Net Current Payment after Digital
Rs. 8,81,928.11

Slot-1 Slot-2
Peak 06:00-14:00 18:00-00:00
OffPeak 14:00-18:00 00:00-06:00

Last Bill Amt(Rs.)	Pymt Rcvd(Rs.)	Rebate(Rs.)	Cr. Sundry Adj.(A)	Net Arrear(Rs.)	Net Payable Amount	
2,78,31,636.49	7,91,159.60	0	0.00	2,70,40,476.89	Before Rbt. Dt.(Rs.)	After Rbt. Dt.(Rs.)
Curr. Bill Amt(Rs.)	DPS(Rs.)	Misc Charges	Prov Adj.(Rs.)	Installments(Rs.)	2,81,83,192.00	2,81,91,490.00
8,90,226.03	2,60,787.72	0.00	-0.00	0.00		

Current Bill Details			
a. Energy Charges	7,45,541.55	1. Sundry Adjustment(B)	
Slab 1 - KVAH 127443@ 5.85 7,45,541.55		Debit	0.00
		Credit	0.00
		2. Interest on SD(After TDS)	0.00
a.1 Green Tariff Premium(GTP)	0.00	3. Total Current Bill(Aft Adj/Inst)	8,90,226.03
b. Incentive on TOD	0.00	4. Rebate Allowable	
c. Demand Charge / MMFC	82,000.00	Prompt Payment+Rural+Special Rebate	-8,297.92
d. Overdrawal penalty	0.00000	5. Net Current payment after Rebate	8,81,928.11
e. Penalty for Fall in PF 0%	0.00	Digital Payment Rebate	0.00
f. Power Factor Incentive	0.00	6.Net Current payment after Digital	8,81,928.11
g. Colony KvaH charge	0.00	7. Cross Subsidy Charges	0.00
h.Load Factor Rebate/ Special Discount	0.00 / 0.00	8. Disputed Amount	0.00
i. Electricity Charge	8,27,541.55	9. Last Rebate Allowed	0
(a-b+c+d+e-f+g+h)		10. ASD Claimed	0.00
j. Electricity Duty (8%)	59,643.32	Message	
k. Meter Rent	2,000.00	1. The connection shall be liable for disconnection on non-payment of all dues(including arrears of previous bill(s)) by due date, after notice as per Section 56(1) of the Electricity Act,2003. 2. Payment of Electricity Bill can be made by way of Cash/DD or Cheque. May please note that Dishonour of Cheque is a criminal offence and is punishable by imprisonment up to two years or with monetary penalty or with both. 3. Disputed amount is to be finalised on the outcome of the order of the respected court and the applicable. 4. ECS Opt-in. 5.Date wise last 5 payments detail with component wise adjustment are shown in annexure (second page). Payments has been clubbed in case of more than 5 payments from last billing cycle. 6.For FY 2020-21, final TCS amount will be intimated after reconciliation. From FY 2021-22, TCS shall be levied based on collection.	
l. Customer Service Charge	250.00		
m. R.I. Surcharge	0.00		
n. Tax Collection at Source	791.16		
o. Current Total (i+j+k+l+m+n)	8,90,226.03		

Division Office	Connect at	Connect us
EXECUTIVE ENGINEER (ELECT.), TPWODL, SUNDERGARH ELECTRICAL DIVISION, SUNDERGARH, AT-PHED ROAD, PO-SUNDERGARH, DIST-SUNDERGARH, PIN-770001	consumercare@tpwesternodisha.com	1912/ 1800 345 6798

NEFT/RTGS Bank Details Beneficiary Name :- TP Western Odisha Distribution Limited Beneficiary Branch :- HDFC Bank Limited Bank Account No :- TPWODLXXXXXXXXXXXXX
(Where XXXXXXXXXXXX denote your 12 Digit Consumer Number) IFSC Code :- HDFC0004989 Account Type :- Current Bank Branch :- Kanjurmarg Branch, Mumbai

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CA No. : 812000000047 **Invoice Number:** 812000007232324

ARREAR UPTO LAST MONTH						
	EC	ED	DPS	TCS / ISD	MISC	TOTAL
PY	0.00	0.00	0.00	0.00	0	0.00
CY	20,754,585.55	1,561,960.39	4,462,209.85	0.00	0	26,778,755.79
LM	794,348.57	56,807.89	259,400.10	0 / -57675.86	0	1,052,880.70
PX	0.00	0.00	0.00	0.00	0	0.00
Total						27,831,636.49

PAYMENT AND REBATE DETAILS						
SINo	Pmt Dt	Ref No	EC	ED	DPS	TCS / TDS
1	14-Jun-23	ICICH06164005838	738,355.60	52,804.00	0.00	0.00
Total Payment adjusted incl Rebate			738,355.60	52,804.00	0.00	0.00
						791,159.60

02-Jun-23	Bill Adjusted with ISD	53,822.68	3,853.18	0.00	0.00	57,675.86
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*Payment Adjusted inclusive of rebate/advances/excess amount paid if any.

CLOSING BALANCE OF ARREARS AFTER CONSIDERATION OF PAYMENTS						
	EC	ED	DPS	TCS	MISC	TOTAL
PY	0.00	0.00	0.00	0.00	0.00	0.00
CY	20756755.84	1562111.10	4721609.95	0.00	0.00	27,040,476.89
PX	0.00	0.00	0.00	0.00	0.00	0.00
Total						27,040,476.89

*Abbreviations: PY- Previous Year CY- Current Year LM- Last Month PX- Deferred Amount

DPS Details			
1	Dps On Rs. 20700762.87*(1.25/100)*(30)		258,759.54
2	Dps On Rs. 794348.57*(1.25/100)*(5)		1,654.89
3	Dps On Rs. 55992.97*(1.25/100)*(16)		373.29
TOTAL DPS CHARGED			260,787.72

Tariff Structure (Charges applicable from 01-04-2023)								
Consumer Category	Units per month	Energy Charge	MMFC first kW or part	MMFC on additional kW or	Consumer Category	Energy Charge(kVAH)	Demand Charge (kVA)	Customer Service Charge
LT Category					EHT Category			
Kutir Jyoti			80		General Purpose	As per Load Factor **	250	700
Domestic Others	<=50 units	3.00	20	20	Large Industry			
	>50, <=200	4.80			Railway Traction			
	>200, <=400	5.80			Heavy Industry			
	>400 units	6.20			Power Intensive Industry			
General Purpose <110 kVA	<=100 units	5.90	30	30	Mini Steel Plant	7.70		
	>100, <=300	7.00			Emergency Supply to CGP			
	>300 units	7.60			Colony consumption	4.85		
	Irrigation Pumping & Agri					Load Factor(%)		* HT
Allied Agri Activity		1.60	20	10	=<60%		5.85	5.80
Allied Agro-Industrial Activity		3.10	80	50	>60%		4.75	4.70
Public Lighting		6.20	20	15	HT Category			
LT Industrial (S) <22 kVA		6.20	80	35	Bulk Supply - Domestic	4.90	20	250
LT Industrial (M) >=22 KVA, <110 kVA		6.20	100	80	Irrigation Pumping & Agri	1.40	30	
Specified Public Purpose		6.20	50	50	Allied Agri Activity	1.50	30	
Public Water Works & Sewage Pumping <110 kVA		6.20	50	50	Allied Agro-Industrial Activity	3.00	50	
Public Water Works & Sewage Pumping >=110		6.20	200 (Demand Charges)	30 (Customer Service Charges)	Emergency Supply to CGP	7.80		
General Purpose >=100 kVA					Colony consumption	4.90		
Large Industry					HT Industrial (M) Supply		150	250
Customer Complaint Management					General Purpose >70, <=110 kVA	As per Load Factor *	250	250
The President, Grievance Redressal Forum,TPWODL, Qtr No.SD-6/2, Near NAC College, Burla, Sambalpur, Pin: 768017, Ph No.0663-2950601, E-mail: grf.burla@tpwesternodisha.com The President, Grievance Redressal Forum, TPWODL, Guest House. In front of Children's Park, Bolangir, Ph.06652-235741, E-mail: grf.bolangir@tpwesternodisha.com The President, Grievance Redressal Forum, Plot No. UU/9, Civil Township, Rourkela-769004, Ph.No.0661-2664241, E-mail: grf.rourkela@tpwesternodisha.com					General Purpose >110 kVA			
					Public Water Works & Sewage			
					Large Industry			
					Power Intensive Industry			
					Mini Steel Plant Railway Traction			
Energy Saving & Safety TIPS					Give a missed call at 7411 77 9783 for availing New connection services.			
Turn off all lights / appliances when not in use. Replace Incandescent Bulb by LED, and Energy Efficient Tube Light, Electric Fan etc. Use energy efficient star rated appliances. Never touch electrical lines whether inside house or outside. This is dangerous to your life. Never do construction work near or under electrical lines and Don't use electrical lines for drying cloths.								



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BILL OF SUPPLY FOR ELECTRICITY

Consumer Name	: POWER GRID CORPORATION INDIA	Rebate Date	: 05/07/2023
Address Details	: 400/220KV GRID,NARANPURKEONJHAR	Due Date	: 10/07/2023
	, PINCODE:0	Consumer A/c No.	: 621000000053
		Consumer ID	: 6210000025
		Old Consumer No.	: GP195
Email Id	: onmkeonjhar@powergrid.co.in	Bill Number	: 621000007231015845
Mobile No	: 8333991374	Bill Issue Date	: 01/07/2023
		Bill Basis	: ACTUAL
		Last Bill Issue Date	: 01/06/2023
		Bill Month	: 2023/06

Area Details	Connection Details	Supply and Meter Details
Division : KED KEONJHAR	Tariff Category : GENERAL PURPOSE >= 110 KVA	Power Factor : 0.9076
Sub-Division : SDO-II KEONJHAR	Category Type : HT	Power ON Hour : 720
Section : ESO KEONJHAR RE-I	Contract Demand : 213 KVA	Billable Demand-KVA : 170.400
DT No. :	Supply Voltage : 33 KV	Meter Sl. No. : TPN64923
Pole No. :	Own Transformer : NO	Col. Meter No. :
MRU No. :	ED Exemption : NO	Bill Period : 01/06/2023 - 30/06/2023
Walking Sequence :	Date of Connection : 01/05/2019	Bill Days/Months : 30/1.0000
Organization Type :	Security Deposit : 6,23,494.00	Load Factor : 67.8400
Connection Type :	Metering Side : HT	Meter Reading : ACTUAL METER
	Consumer Status : Active	Main Meter MF : 3773.00
	Transformer Rating : 630 KVA	

Meter Reading Details							
Parameter	Prev Reading	Current Reading	Diff	T.F Loss	Total		
KWH	52.1605	61.4710	9.3105	0.00	35,129.0000		
MD-KW	0.0000	0.0000		0.00	0.0000		
KVAH	56.0120	66.2695	10.2575	0.00	38,702.0000		
MD-KVA	0.0680	0.0210		0.00	79.2330		
Timing Slot	Slot-1	Slot-2	Slot-1	Slot-2	Slot-1	Slot-2	
Off Peak KWH	2.0860	18.8905	3.6925	21.3125	1.6065	2.4220	0.00
Off Peak KVAH	2.2740	19.5430	4.0735	22.1290	1.7995	2.5860	0.00
Off Peak MD-KW	0.0000	0.0000	0.0000				0.00
Peak KWH	27.8655	3.3185	30.4910	5.9750	2.6255	2.6565	0.00
Peak KVAH	30.6740	3.5210	33.7220	6.3450	3.0480	2.8240	0.00
Peak MD-KW			0.0000	0.0000			0.00
Off Peak MD-KVA	0.0222	0.0186	0.0210	0.0188			0.00
Peak MD-KVA	0.0179	0.0202	0.0175	0.0194			0.00
KVARH		18.9865		23.1445		4.1580	0.00
KVARH Lead		0.0010		0.0010		0.0000	0.0000

Due Date: 10/07/2023
(Immediate for Arrears)
Total Amount Payable
Rs. 2,11,04,192.00
Net Current Payment after Digital
Rs. 2,75,868.97

Slot-1 Slot-2
Peak 06:00-14:00 18:00-00:00
OffPeak 14:00-18:00 00:00-06:00

Last Bill Amt(Rs.)	Pymt Rcvd(Rs.)	Rebate(Rs.)	Cr. Sundry Adj.(A)	Net Arrear(Rs.)	Net Payable Amount	
2,09,43,393.69	2,70,607.94	0	0.00	2,06,72,785.75	Before Rbt. Dt.(Rs.)	After Rbt. Dt.(Rs.)
Curr. Bill Amt(Rs.)	DPS(Rs.)	Misc Charges	Prov Adj.(Rs.)	Installments(Rs.)	2,11,01,582.00	2,11,04,192.00
2,78,479.22	1,52,927.52	0.00	-0.00	0.00		

Current Bill Details			
a. Energy Charges	2,21,484.60	1. Sundry Adjustment(B)	
Slab 1 - KVAH 34227.36@ 5.85 2,00,230.06		Debit	0.00
Slab 2 - KVAH 4474.64@ 4.75 21,254.54		Credit	0.00
		2. Interest on SD(After TDS)	0.00
a.1 Green Tariff Premium(GTP)	0.00	3. Total Current Bill(Aft Adj/Inst)	2,78,479.22
b. Incentive on TOD	-3,309.40	4. Rebate Allowable	
c. Demand Charge / MMFC	42,600.00	Prompt Payment+Rural+Special Rebate	-2,610.25
d. Overdrawal penalty	0.00000	5. Net Current payment after Rebate	2,75,868.97
e. Penalty for Fall in PF 0%	0.00	Digital Payment Rebate	0.00
f. Power Factor Incentive	0.00	6.Net Current payment after Digital	2,75,868.97
g. Colony KvaH charge	0.00	7. Cross Subsidy Charges	0.00
h.Load Factor Rebate/ Special Discount	0.00 / 0.00	8. Disputed Amount	0.00
i. Electricity Charge	2,60,775.20	9. Last Rebate Allowed	0
(a-b+c+d+e-f+g+h)		10. ASD Claimed	0.00
j. Electricity Duty (8%)	17,454.02	Message	
k. Meter Rent	0.00	1. The connection shall be liable for disconnection on non-payment of all dues(including arrears of previous bill(s) by due date, after notice as per Section 56(1) of the Electricity Act,2003. 2. Cheque/Bank draft is to be issued in favour of TP Northern Odisha Distribution Ltd. RTGS/NEFT/IMPS payment can be made to TP Northern Odisha Distribution Limited by putting Payee Account No. TPNODLXXXXXXXXXXXX (Where XXXXXXXXXXXX denotes your 12 digit Consumer Account Number). For Example. If Consumer Account no. is 123456789101 then Payee Account No. would be TPNODL123456789101.IFSC Code (11 digit) : UTIB0CCH274. You can also pay through Paytm/PhonePe/Google Pay/Amazon Pay/MobiKwik App or Bill Desk/Paytm Gateway.(Net Banking option) available on Odisha Discoms/TPNODL Website. 3. Disputed amount is to be finalised on the outcome of the order of the respected court and the applicable. 4. ECS Opt-in. 5.Date wise last 5 payments detail with component wise adjustment are shown in annexure (second page). Payments has been clubbed in case of more than 5 payments from last billing cycle. 6.For FY 2020-21, final TCS amount will be intimated after reconciliation. From FY 2021-22, TCS shall be levied based on collection.	
l. Customer Service Charge	250.00		
m. R.I. Surcharge	0.00		
n. Tax Collection at Source	0.00		
o. Current Total (i+j+k+l+m+n)	2,78,479.22		

Division Office	Connect at	Connect us
THE MANAGER (ELECT) KED, KEONJHAR PIN: 758001, Client Manager - Mr. Ajit Vikram Singh, E-Mail - ajit.singh@tpnodl.com; Contact No.9438906074	www.tpnodl.com	1912 / 1800 345 6718

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CA No. : 621000000053

Invoice Number: 621000007231015

ARREAR UPTO LAST MONTH						
	EC	ED	DPS	TCS / ISD	MISC	TOTAL
PY	12,223,601.69	933,146.99	2,280,064.69	0.00	0	15,436,813.37
CY	8,838.08	578.96	5,043,864.28	0.00	0	5,053,281.32
LM	256,109.20	17,060.74	180,129.06	0.00	0	453,299.00
PX	0.00	0.00	0.00	0.00	0	0.00
Total						20,943,393.69

PAYMENT AND REBATE DETAILS						
SINo	Pmt Dt	Ref No	EC	ED	DPS	TCS / TDS
1	08-Jun-23	HTEHT621JUN23KED01	253,706.94	16,901.00	0.00	0.00
Total Payment adjusted incl Rebate			253,706.94	16,901.00	0.00	0.00

*Payment Adjusted inclusive of rebate/advances/excess amount paid if any.

CLOSING BALANCE OF ARREARS AFTER CONSIDERATION OF PAYMENTS						
	EC	ED	DPS	TCS	MISC	TOTAL
PY	12223601.69	933146.99	2280064.69	0.00	0.00	15,436,813.37
CY	11240.34	738.70	5223993.34	0.00	0.00	5,235,972.38
PX	0.00	0.00	0.00	0.00	0.00	0.00
Total						20,672,785.75

*Abbreviations: PY- Previous Year CY- Current Year LM- Last Month PX- Deferred Amount

DPS Details	
1	Dps On Rs. 12223601.69*(1.25/100)*(8/30) 40,745.34
2	Dps On Rs. 12223601.69*(1.25/100)*(22/30) 112,049.68
3	Dps On Rs. 8838.08*(1.25/100)*(30) 110.48
4	Dps On Rs. 2402.26*(1.25/100)*(22) 22.02
TOTAL DPS CHARGED	

Tariff Structure (Charges applicable from 01-04-2023)								
Consumer Category	Units per month	Energy Charge	MMFC first kW or part	MMFC on additional kW or	Consumer Category	Energy Charge(kVAH)	Demand Charge (kVA)	Customer Service Charge
LT Category					EHT Category			
Kutir Jyoti			80		General Purpose	As per Load Factor **	250	700
Domestic Others	<=50 units	3.00	20	20	Large Industry			
	>50, <=200	4.80			Railway Traction			
	>200, <=400	5.80			Heavy Industry			
	>400 units	6.20			Power Intensive Industry			
General Purpose <110 kVA	<=100 units	5.90	30	30	Mini Steel Plant	7.70		
	>100, <=300	7.00			Emergency Supply to CGP			
	>300 units	7.60			Colony consumption		4.85	
Irrigation Pumping & Agri		1.50	20	10	Load Factor(%)		* HT	**EHT
Allied Agri Activity		1.60	20	10	=<60%		5.85	5.80
Allied Agro-Industrial Activity		3.10	80	50	>60%		4.75	4.70
Public Lighting		6.20	20	15	HT Category			
LT Industrial (S) <22 kVA		6.20	80	35	Bulk Supply - Domestic	4.90	20	250
LT Industrial (M) >=22 KVA, <110 kVA		6.20	100	80	Irrigation Pumping & Agri	1.40	30	
Specified Public Purpose		6.20	50	50	Allied Agri Activity	1.50	30	
Public Water Works & Sewage Pumping <110 kVA		6.20	50	50	Allied Agro-Industrial Activity	3.00	50	
Public Water Works & Sewage Pumping >=110		6.20	200 (Demand Charges)	30 (Customer Service Charges)	Emergency Supply to CGP	7.80		
General Purpose >=100 kVA					Colony consumption	4.90		
Large Industry					HT Industrial (M) Supply		150	250
Customer Complaint Management					General Purpose >70, <=110 kVA	As per Load Factor *	250	250
The Ombudsman (I & II), Ors. No. -3RS/2, Gridco Colony, P.O. Bhoi Nagar Bhubaneswar - 751022, Ph.: 0674-2543825					General Purpose >110 kVA			
					Public Water Works & Sewage			
					Large Industry			
					Power Intensive Industry			
GRF, BALASORE The President GRF, Vivekananda Marg, Near Kali Mandir, Dist. Balasore - 756 001. Ph No. (06782)-269579, email- grfbals@rediffmail.com					Mini Steel Plant Railway Traction			
GRF, JAIPUR ROAD The President GRF, Jaipur Road, TTS Colony, Dhabalagiri PO Sobra, Dist. Jajpur 755 019. Ph- (06726)-224668,grfjrd@nescodisha.com								
Energy Saving & Safety TIPS								
Turn off all lights / appliances when not in use. Replace Incandescent Bulb by LED, and Energy Efficient Tube Light, Electric Fan etc. Use energy efficient star rated appliances. Never touch electrical lines whether inside house or outside. This is dangerous to your life. Never do construction work near or under electrical lines and Don't use electrical lines for drying cloths.								

Annexure B8

BOQ FOR PROCUREMENT OF REGIONAL RECATOR SPARES EASTERN REGION										
SL No.	Item Description	Unit	Qty	Unit Price (Excl. GST)	Erection Cost (Excl. GST)	GST @ 18%	Unit Price (Incl. GST)	Freight/Insurance/ Loading/ Unloading	Erection Cost (Incl. GST)	TOTAL Unit Price
1	420KV , 3Ph , 125 MVAR Reactor without Insulating Oil	EA	1	97135829	1793135	18%	114620278.2	3885433.16	2115899.3	120621610.7
2	Online Dissolved Gas & Moisture Analyser	EA	0	0	0	18%	0	0	0	0
3	Online Insulating Oil Drying System (Cartridge type)	EA	0	0	0	18%	0	0	0	0
4	SPARE FOUNDATION	EA	1	3500000	0	18%	4130000	0	0	4130000
								TOTAL		124751610.7
1	420KV , 3Ph , 80 MVAR Reactor without Insulating Oil	EA	1	76150900	1817900	18%	89858062	3046036	2145122	92904098
2	Online Dissolved Gas & Moisture Analyser	EA	0	0	0	18%	0	0	0	0
3	Online Insulating Oil Drying System (Cartridge type)	EA	0	0	0	18%	0	0	0	0
4	SPARE FOUNDATION	EA	1	3000000	0	18%	3540000	0	0	3540000
								TOTAL		96444098
1	420KV , 3Ph , 63 MVAR Reactor without Insulating Oil	EA	0	70651703	1758567	18%	83369009.54	2826068.12	2075109.06	86195077.66
2	Online Dissolved Gas & Moisture Analyser	EA	0	0	0	18%	0	0	0	0
3	Online Insulating Oil Drying System (Cartridge type)	EA	0	0	30046	18%	0	0	35454.28	0
4	SPARE FOUNDATION	EA	1	2700000	0	18%	3186000	0	0	3186000
								TOTAL		89381077.66
1	220KV , 3Ph , 31.5MVAR Reactor without Insulating Oil	EA	1	69477655	1650333	18%	81983632.9	2779106.2	1947392.94	84762739.1
2	Online Dissolved Gas & Moisture Analyser	EA	0	0	0	18%	0	0	0	0
3	Online Insulating Oil Drying System (Cartridge type)	EA	0	0	30046	18%	0	0	35454.28	0
4	SPARE FOUNDATION	EA	1	2000000	0	18%	2360000	0	0	2360000
								TOTAL		87122739.1

STATE	VOLTAGE	SIZE	STORAGE PLACE	COST IMPLICATIONS
WEST BENGAL	400 KV	125 MVAR	DURGAPUR SS	124751610
		80 MVAR	BINAGURI SS	96444098
		63 MVAR	BINAGURI SS	89381077
SIKKIM	400 KV	80 MVAR	RANGPO SS	96444098
	220 KV	31.5 MVAR	NEW MELLI SS	87122739
BIHAR	400 KV	125 MVAR	BIHARSARIFF SS	124751610
		80 MVAR	PATNA SS	96444098
		63 MVAR	MUZAFFARPUR SS	89381077
JHARKHAND	400 KV	125 MVAR	NEW RANCHI SS	124751610
		80 MVAR	RANCHI SS	96444098
ODHISSA	400 KV	63 MVAR	ROURKELLA SS	89381077
TOTAL				1115297192

TOTAL= RS. ONE HUNDRED AND ELEVEN CRORE FIFTY TWO LACS NINETY SEVEN THOUSAND ONE HUNDRED NINETY TWO ONLY

ELECTROMECHANICAL LBB RELAY INSTALLED AT **400/220 KV BINAGURI SUBSTATION**

SL NO.	FEEDER NAME	RELAY MODEL
1	401 TALA-4 MAIN BAY	MCTI
2	402 TALA-3 & 4 TIE BAY	MCTI
3	403 TALA-3 (MALBASE) MAIN BAY	MCTI
4	404 ICT-2 MAIN BAY	MCTI
5	405 TALA-2 & ICT-2 TIE BAY	MCTI
6	406 TALA-2 MAIN BAY	MCTI
7	407 ICT-1 MAIN BAY	RAICA
8	408 TALA-1 & ICT-1 TIE BAY	RAICA
9	409 TALA-1 MAIN BAY	RAICA
10	410 RANGPO-1 MAIN BAY	2DAB
11	411 RANGPO-1 & BONG-1 TIE BAY	RAICA
12	412 BONGAIGAON-1 MAIN BAY	RAICA
13	413 RANGPO-2 MAIN BAY	2DAB
14	414 RANGPO-2 & BONG-2 TIE BAY	MCTI
15	415 BONGAIGAON-2 MAIN BAY	MCTI
16	416 KISHANGANJ-1 MAIN BAY	MCTI
17	417 KISHANGANJ-1 & BR-1 TIE BAY	MCTI
18	418 BUS REACTOR-1 MAIN BAY	MCTI
19	419 KISHANGANJ-2 MAIN BAY	MCTI
20	420 KISHANGANJ-2 & BR-2 TIE BAY	MCTI
21	421 BUS REACTOR-2 MAIN BAY	MCTI
22	422 PURNEA-1 MAIN BAY	MCTI
23	423 PURNRA-1 & ALPD-1 TIE BAY	MCTI
24	425 PURNEA-2 MAIN BAY	MCTI
25	426 PURNRA-2 & ALPD-2 TIE BAY	7SV6001
26	201 ICT-1 220KV SIDE	RAICA
27	203 ICT-2 220 KV SIDE	MCTI
28	205 SILIGURI -1	RAICA
29	206 SILIGURI-2	RAICA
30	207 BUS COUPLER	RAICA
31	208 TRANSFER BUS	RAICA
32	209 BIRPARA -1	RAICA
33	210 BIRPARA-2	RAICA
34	213 M1 BUS SECTION-1	RAICA
35	213 M2 BUS SECTION-2	RAICA

TOTAL QUANTITY OF MCTI RELAY	18
TOTAL QUANTITY OF RAICA RELAY	14
TOTAL QUANTITY OF EASUN REYROLLE RELAY	2

TOTAL QUANTITY OF 7SV6001 RELAY	1
TOTAL	35 NOS

ELECTROMECHANICAL LBB RELAY INSTALLED AT 400/220 KV MAITHON SUBSTATION

SL NO.	FEEDER NAME	RELAY MODEL
1	MAITH-MAIN_BAY_406	VAJSM43SF102B
2	MAITH-MAIN_BAY_407	VAJSM43SF102B
3	MAITH-TIE__BAY_408	RAICA
4	MAITH-MAIN_BAY_409	RAICA
5	MAITH-TIE__BAY_411	RAICA
6	MAITH-MAIN_BAY_412	RAICA
7	MAITH-MAIN_BAY_413	RAICA
8	MAITH-TIE__BAY_414	RAICA
9	MAITH-MAIN_BAY_415	RAICA
10	MAITH-MAIN_BAY_416	RAICA
11	MAITH-TIE__BAY_417	RAICA
12	MAITH-TIE__BAY_420	RAICA
13	MAITH-MAIN_BAY_421	RAICA
14	MAITH-TIE__BAY_423	RAICA
15	MAITH-MAIN_BAY_424	RAICA
16	200KV Maithon-DHN-1_205	RAICA
17	200KV Maithon-DHN-2_204	RAICA
18	500MVA ICT-1_206	RAICA
19	220KV TBC_209	RAICA
20	220KV Bus Coupler_210	RAICA
21	500MVA ICT-2_213	RAICA
22	220KV Kalensawari-1_214	RAICA
23	220KV Kalensawari-2_215	RAICA

TOTAL QUANTITY OF VAJSM RELAY	2
TOTAL QUANTITY OF RAICA RELAY	21
TOTAL	23 NOS

TOTAL	58 NO'S RELAY
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Annexure B12

Tariff under section 63 & section 62		Dec-22 (till 14th)	Dec-22 (15th and onwards)**	Jan-23	Feb-23	Mar-23	Apr-23
GKEL-PTC-Haryana Discom (tariff under Section-63)	PTC-HPPC Quoted Energy Charge	1.226	1.226	1.226	1.226	1.226	1.257
	CIL	0.44	0.44	0.44	0.45	0.44	0.47
	Total Energy Charge in Rs./kWh	1.666	1.666	1.666	1.676	1.666	1.727
		Dec-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
GKEL-Bihar Discom (tariff under Section-63)	Bihar Discom Quoted Energy Charge	1.206	1.206	1.206	1.206	1.206	1.206
	CIL	0.35	0.35	0.34	0.34	0.33	0.35
	Total Energy Charge in Rs./kWh	1.556	1.556	1.546	1.546	1.536	1.556
		Dec-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
GKEL-PTC-TANGEDCO (tariff under Section-63)	PTC-TANGEDCO Quoted Energy Charge	2.16	2.16	2.16	2.16	2.16	2.21
	CIL	-	-	-	-	-	-
	Total Energy Charge in Rs./kWh	2.16	2.16	2.16	2.16	2.16	2.21
		Dec-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
Reference Charge Rate (RCR) at plant bus	GMRKEL-CTU	1.616	1.686	1.682	1.686	1.678	1.721

Note: **Commencement of power supply to PTC-TANGEDCO w.e.f 15.12.2022 under medium term PPA dated 28.06.2022, VC is Rs. 2.16/kWh for FY 2022-23 and Rs. 2.21/kWh for FY 2023-24

Date	WL Avg. DSM Rate (Hybrid Gen) / VApplicable (p/MWh)
05-12-2022	162.94
06-12-2022	163.55
07-12-2022	163.55
08-12-2022	163.55
09-12-2022	163.55
10-12-2022	163.40
11-12-2022	163.19
12-12-2022	163.51
13-12-2022	163.88
14-12-2022	178.07
15-12-2022	200.42
16-12-2022	207.47
17-12-2022	212.76
18-12-2022	205.64
19-12-2022	221.26
20-12-2022	216.77
21-12-2022	213.66
22-12-2022	217.58
23-12-2022	223.18
24-12-2022	219.57
25-12-2022	209.41
26-12-2022	226.83
27-12-2022	227.09
28-12-2022	219.84
29-12-2022	222.73
30-12-2022	225.68
31-12-2022	229.84
01-01-2023	207.03
02-01-2023	221.20
03-01-2023	214.77
04-01-2023	220.53
05-01-2023	232.10
06-01-2023	235.81
07-01-2023	241.91
08-01-2023	218.22
09-01-2023	242.73
10-01-2023	246.77
11-01-2023	254.48
12-01-2023	251.09
13-01-2023	252.43
14-01-2023	243.68
15-01-2023	226.64
16-01-2023	225.16
17-01-2023	222.06
18-01-2023	218.01
19-01-2023	221.70
20-01-2023	230.60
21-01-2023	285.33
22-01-2023	192.49
23-01-2023	219.86
24-01-2023	204.39
25-01-2023	204.55
26-01-2023	190.72
27-01-2023	201.89
28-01-2023	204.97
29-01-2023	193.73
30-01-2023	207.58
31-01-2023	201.41
01-02-2023	198.31
02-02-2023	219.11
03-02-2023	210.41
04-02-2023	203.41
05-02-2023	195.86
06-02-2023	207.00
07-02-2023	196.99
08-02-2023	201.65
09-02-2023	206.81
10-02-2023	212.42
11-02-2023	1716.42
12-02-2023	168.54
13-02-2023	168.60
14-02-2023	239.99
15-02-2023	249.41
16-02-2023	250.98
17-02-2023	257.42
18-02-2023	260.66
19-02-2023	168.61
20-02-2023	169.12
21-02-2023	169.28
22-02-2023	169.18
23-02-2023	169.17
24-02-2023	169.33
25-02-2023	169.29
26-02-2023	170.85
27-02-2023	173.83
28-02-2023	167.81
01-03-2023	169.10
02-03-2023	169.10
03-03-2023	169.27
04-03-2023	169.31
05-03-2023	173.30
06-03-2023	169.00
07-03-2023	168.93
08-03-2023	173.68
09-03-2023	167.11
10-03-2023	167.60
11-03-2023	168.86
12-03-2023	168.84
13-03-2023	169.10
14-03-2023	169.09
15-03-2023	169.76
16-03-2023	220.82
17-03-2023	168.85
18-03-2023	168.82
19-03-2023	169.46
20-03-2023	412.26
21-03-2023	333.64
22-03-2023	347.64
23-03-2023	381.88
24-03-2023	386.77
25-03-2023	410.15
26-03-2023	388.75
27-03-2023	475.41
28-03-2023	515.27
29-03-2023	548.28
30-03-2023	512.23
31-03-2023	362.74
01-04-2023	397.91
02-04-2023	366.60
03-04-2023	367.70
04-04-2023	351.11
05-04-2023	371.23
06-04-2023	367.18
07-04-2023	405.84
08-04-2023	434.65
09-04-2023	503.43
10-04-2023	0.00
11-04-2023	694.76
12-04-2023	733.36
13-04-2023	728.70
14-04-2023	819.14
15-04-2023	803.09
16-04-2023	735.00

CTU PPA quantum					CTU PPA Energy charge								
Haryana (MW)	Bihar (MW)	Tangedco	Exchange /Bi lateral sale (MW)	Balance power available (MW)	Haryana (Rs/kwh)	Bihar (Rs/kwh)	Tangedco (Rs/kwh)	Exchange price/unit (Rs/kwh)	Exchange bilateral price (CR)	Exchange bilateral M/s sale	Weighted Energy cost (as per GREL calculation)	Weighted Energy cost (as per EPPC calculation)	Difference
312	260	0	0.00	84.25	1.666	1.556	0	0	0.000	0.000	1.616	1.629	0.013
312	260	0	0.00	84.25	1.666	1.556	0	0	0.000	0.000	1.616	1.636	0.020
312	260	0	0.00	84.25	1.666	1.556	0	0	0.000	0.000	1.616	1.636	0.020
312	260	0	0.00	84.25	1.666	1.556	0	0	0.000	0.000	1.616	1.636	0.020
312	260	0	0.00	84.25	1.666	1.556	0	0	0.000	0.000	1.616	1.634	0.018
312	260	0	0.00	84.25	1.666	1.556	0	0	0.000	0.000	1.616	1.632	0.016
312	260	0	0.00	84.25	1.666	1.556	0	0	0.000	0.000	1.616	1.635	0.009
312	260	0	0.00	84.25	1.666	1.556	0	0	0.000	0.000	1.616	1.636	0.023
312	260	0	29.14	84.25	1.666	1.556	0	4.922	0.344	0.699	1.776	1.781	0.004
312	260	84	0.00	0.25	1.666	1.556	2.16	0	0.000	0.000	1.686	2.004	0.319
312	260	84	0.00	0.25	1.666	1.556	2.16	0	0.000	0.000	1.686	2.075	0.389
312	260	84	0.00	0.25	1.666	1.556	2.16	0	0.000	0.000	1.686	2.128	0.442
312	260	84	0.00	0.25	1.666	1.556	2.16	0	0.000	0.000	1.686	2.056	0.371
312	260	84	0.07	0.25	1.666	1.556	2.16	7.340	0.001	0.002	1.686	2.213	0.526
312	260	84	0.13	0.25	1.666	1.556	2.16	6.996	0.002	0.003	1.687	2.168	0.481
312	260	84	0.11	0.25	1.666	1.556	2.16	6.632	0.002	0.003	1.686	2.137	0.450
312	260	84	0.12	0.25	1.666	1.556	2.16	6.751	0.002	0.003	1.687	2.176	0.489
312	260	84	0.12	0.25	1.666	1.556	2.16	7.659	0.002	0.003	1.687	2.212	0.545
312	260	84	0.12	0.25	1.666	1.556	2.16	7.872	0.002	0.003	1.687	2.196	0.509
312	260	84	0.12	0.25	1.666	1.556	2.16	7.120	0.002	0.003	1.687	2.094	0.407
312	260	84	0.12	0.25	1.666	1.556	2.16	8.222	0.002	0.003	1.687	2.268	0.581
312	260	84	0.13	0.25	1.666	1.556	2.16	8.101	0.002	0.003	1.687	2.271	0.584
312	260	84	0.15	0.25	1.666	1.556	2.16	6.966	0.002	0.004	1.687	2.198	0.512
312	260	84	0.14	0.25	1.666	1.556	2.16	7.223	0.002	0.003	1.687	2.227	0.545
312	260	84	0.13	0.25	1.666	1.556	2.16	7.339	0.002	0.003	1.687	2.257	0.570
312	260	84	0.13	0.25	1.666	1.556	2.16	7.992	0.002	0.003	1.687	2.298	0.612
312	260	84	0.11	0.25	1.666	1.546	2.16	6.015	0.002	0.003	1.682	2.070	0.388
312	260	84	0.14	0.25	1.666	1.546	2.16	6.992	0.002	0.003	1.683	2.212	0.529
312	260	84	0.13	0.25	1.666	1.546	2.16	6.132	0.002	0.003	1.683	2.148	0.465
312	260	84	0.13	0.25	1.666	1.546	2.16	7.180	0.002	0.003	1.683	2.205	0.523
312	260	84	0.13	0.25	1.666	1.546	2.16	8.377	0.003	0.003	1.683	2.321	0.638
312	260	84	0.14	0.25	1.666	1.546	2.16	8.515	0.003	0.003	1.683	2.358	0.675
312	260	84	0.13	0.25	1.666	1.546	2.16	9.501	0.003	0.003	1.683	2.419	0.736
312	260	84	0.14	0.25	1.666	1.546	2.16	6.071	0.002	0.003	1.683	2.182	0.500
312	260	84	0.15	0.25	1.666	1.546	2.16	8.729	0.003	0.004	1.683	2.427	0.744
312	260	84	0.16	0.25	1.666	1.546	2.16	8.875	0.003	0.004	1.683	2.468	0.784
312	260	84	0.16	0.25	1.666	1.546	2.16	9.652	0.004	0.004	1.684	2.545	0.861
312	260	84	0.16	0.25	1.666	1.546	2.16	9.383	0.004	0.004	1.684	2.511	0.827
312	260	84	0.15	0.25	1.666	1.546	2.16	9.799	0.004	0.004	1.684	2.524	0.841
312	260	84	0.14	0.25	1.666	1.546	2.16	9.116	0.004	0.003	1.683	2.437	0.753
312	260	84	0.12	0.25	1.666	1.546	2.16	7.735	0.002	0.003	1.683	2.266	0.584
312	260	84	0.13	0.25	1.666	1.546	2.16	7.356	0.002	0.003	1.683	2.252	0.569
312	260	84	0.12	0.25	1.666	1.546	2.16	7.911	0.002	0.003	1.683	2.221	0.538
312	260	84	0.13	0.25	1.666	1.546	2.16	7.181	0.002	0.003	1.683	2.180	0.497
312	260	84	0.14	0.25	1.666	1.546	2.16	7.420	0.002	0.003	1.683	2.217	0.534
312	260	84	0.13	0.25	1.666	1.546	2.16	8.295	0.003	0.003	1.683	2.306	0.625
312	260	84	0.00	0.25	1.666	1.546	2.16	0	0.000	0.000	1.682	2.853	1.172
312	260	84	1.84	0.25	1.666	1.546	2.16	4.277	0.019	0.044	1.689	1.925	0.236
312	260	84	0.05	0.25	1.666	1.546	2.16	5.893	0.001	0.001	1.682	2.199	0.517
312	260	84	0.10	0.25	1.666	1.546	2.16	6.139	0.002	0.002	1.682	2.044	0.362
312	260	84	0.08	0.25	1.666	1.546	2.16	6.984	0.001	0.002	1.682	2.046	0.363
312	260	84	0.06	0.25	1.666	1.546	2.16	5.292	0.001	0.001	1.682	1.907	0.225
312	260	84	0.07	0.25	1.666	1.546	2.16	6.400	0.001	0.002	1.682	2.019	0.337
312	260	84	0.10	0.25	1.666	1.546	2.16	6.235	0.001	0.002	1.682	2.050	0.367
312	260	84	0.07	0.25	1.666	1.546	2.16	4.763	0.001	0.002	1.682	1.937	0.255
312	260	84	0.10	0.25	1.666	1.546	2.16	6.346	0.002	0.002	1.682	2.076	0.393
312	260	84	0.07	0.25	1.666	1.546	2.16	5.632	0.001	0.002	1.682	2.014	0.312
312	260	84	0.04	0.25	1.676	1.546	2.16	6.621	0.001	0.001	1.687	1.983	0.296
312	260	84	0.08	0.25	1.676	1.546	2.16	6.812	0.001	0.002	1.687	2.191	0.504
312	260	84	0.08	0.25	1.676	1.546	2.16	6.462	0.001	0.002	1.687	2.104	0.417
312	260	84	0.12	0.25	1.676	1.546	2.16	6.166	0.002	0.002	1.687	2.087	0.347
312	260	84	0.09	0.25	1.676	1.546	2.16	4.877	0.001	0.002	1.687	1.959	0.272
312	260	84	0.10	0.25	1.676	1.546	2.16	6.307	0.002	0.003	1.687	2.070	0.383
312	260	84	0.13	0.25	1.676	1.546	2.16	5.158	0.002	0.003	1.687	1.970	0.283
312	260	84	0.14	0.25	1.676	1.546	2.16	5.788	0.002	0.003	1.687	2.017	0.329
312	260	84	0.14	0.25	1.676	1.546	2.16	6.251	0.002	0.003	1.687	2.068	0.381
312	260	84	0.13	0.25	1.676	1.546	2.16	6.640	0.002	0.003	1.687	2.124	0.447
312	260	84	0.16	0.25	1.676	1.546	2.16	6.986	0.003	0.004	1.688	2.164	0.476
312	260	84	0.12	0.25	1.676	1.546	2.16	6.089	0.002	0.003	1.687	1.685	-0.002
312	260	84	0.14	0.25	1.676	1.546	2.16	7.614	0.003	0.003	1.688	1.686	-0.002
312	260	84	0.17	0.25	1.676	1.546	2.16	7.812	0.003	0.004	1.688	2.400	0.712
312	260	84	0.17	0.25	1.676	1.546	2.16	7.295	0.004	0.004	1.688	2.484	0.808
312	260	84	0.20	0.25	1.676	1.546	2.16	7.468	0.004	0.005	1.688	2.510	0.822
312	260	84	0.20	0.25	1.676	1.546	2.16	8.109	0.004	0.005	1.688	2.574	0.886
312	260	84	0.19	0.25	1.676	1.546	2.16	8.647	0.004	0.005	1.688	2.607	0.918
312	260	84	0.18	0.25	1.676	1.546	2.16	5.931	0.003	0.004	1.688	1.686	-0.001
312	260	84	0.15	0.25	1.676	1.546	2.16	6.999	0.003	0.004	1.691	1.691	0.000
312	260	84	0.70	0.25	1.676	1.546	2.16	7.751	0.013	0.017	1.693	1.693	0.000
312	260	84	0.69	0.25	1.676	1.546	2.16	6.888	0.011	0.017	1.692	1.692	0.000
312	260	84	0.66	0.25	1.676	1.546	2.16	7.487	0.012	0.016	1.692	1.692	-0.001
312	260	84	0.70	0.25	1.676	1.546	2.16	7.818	0.013	0.017	1.693	1.693	0.000
312	260	84	0.70	0.25	1.676	1.546	2.16	8.403	0.014	0.017	1.694	1.693	-0.001
312	260	84	0.64	0.25	1.676	1.546	2.16	7.939	0.012	0.017	1.693	1.709	0.016
312	260	84	0.00	0.25	1.676	1.546	2.16	0	0.000	0.000	1.686	1.738	0.052
312	260	84	0.23	0.25	1.676	1.546	2.16	7.291	0.004	0.005	1.688	1.678	-0.010
312	260	84	0.64	0.25	1.666	1.536	2.16	5.554	0.008	0.015	1.681	1.691	0.010
312	260	84	0.80	0.25	1.666	1.536	2.16	6.031	0.012	0.019	1.685	1.691	0.006
312	260	84	0.80	0.25	1.666	1.536	2.16	7.395	0.014	0.018	1.685	1.685	0.000
312	260	84	0.74	0.25	1.666	1.536	2.16	8.310	0.015	0.018	1.685	1.693	0.008
312	260	84	0.72	0.25	1.666	1.536	2.16	6.216	0.011	0.017	1.683	1.733	0.050
312	260	84	0.57	0.25	1.666	1.536	2.16	5.461	0.007	0.014	1.681	1.690	0.009
312	260	84	0.60	0.25	1.666	1.536	2.16	5.691					

Reconciliation summary as per ERPC (published energy charge) vs GKEL Calculations (calculated energy Charge)										Back up day wise calculation link for reporting week	Remarks
S no.	Date	ERPC Energy cost Published (paisa/Kwh) (A)	GKEL Energy Charge/Reference Charge Rate (Paisa/Kwh) (B)	Net Deviation Charge in As per ERPC calculation (Rs.) (C)	Net Deviation Charge As per GKEL calculation with ERPC published energy cost (Rs.) (D)	Difference in Rs E= (C-D)	Net Deviation Charge in As per GKEL calculation @ ECR revision (Rs.) (F)	Difference (Receivable) G=(C-F)	Calculations methodology as per CERC regulations		
1	05-Dec-22	162.94	161.60	58,096	58,096	0	57,618	478	OLD DSM FORMULA AS PER REGULATION (5-12-2022- 27-12-2022)	1	
2	06-Dec-22	163.55	161.60	27,596	27,595	1	27,266	330			
3	07-Dec-22	163.55	161.60	76,592	76,592	(0)	76,036	556			
4	08-Dec-22	163.55	161.60	66,729	66,729	0	65,933	796			
5	09-Dec-22	163.55	161.60	76,392	76,393	(1)	75,485	907			
6	10-Dec-22	163.40	161.60	58,853	58,854	(1)	58,251	602			
7	11-Dec-22	163.19	161.60	94,544	94,544	0	93,832	712		2	
8	12-Dec-22	163.51	161.60	1,13,036	1,13,036	0	1,11,941	1,095			
9	13-Dec-22	163.88	161.60	1,64,296	1,64,296	0	1,62,714	1,582			
10	14-Dec-22	178.07	177.63	4,55,978	4,55,978	(0)	4,55,703	275			
11	15-Dec-22	200.42	168.57	2,21,351	2,21,351	(0)	1,98,015	23,336			
12	16-Dec-22	207.47	168.57	2,01,103	2,01,103	0	1,63,812	37,291		3	
13	17-Dec-22	212.76	168.57	1,46,626	1,46,627	(1)	1,16,170	30,456			
14	18-Dec-22	205.64	168.57	1,11,958	1,11,958	(0)	91,774	20,184			
15	19-Dec-22	221.26	168.63	2,17,341	2,17,341	0	1,70,569	46,772			
16	20-Dec-22	216.77	168.67	1,35,678	1,35,679	(1)	1,05,573	30,105			
17	21-Dec-22	213.66	168.65	2,17,847	2,17,847	0	1,74,723	43,124		4	
18	22-Dec-22	217.58	168.66	2,10,483	2,10,484	(1)	1,65,590	44,893			
19	23-Dec-22	223.18	168.67	1,54,585	1,54,585	(0)	1,21,758	32,827			
20	24-Dec-22	219.57	168.68	36,584	36,583	1	29,320	7,264			
21	25-Dec-22	209.41	168.67	79,738	79,738	0	64,224	15,514		5	
22	26-Dec-22	226.83	168.68	98,325	98,325	(0)	75,770	22,555			
23	27-Dec-22	227.09	168.69	43,756	43,756	(0)	32,504	11,252			
24	28-Dec-22	219.84	168.68	65,650	65,651	(1)	50,374	15,276	Petition No. 16/SM/2022	6	
25	29-Dec-22	222.73	168.68	2,37,898	2,37,898	0	2,16,146	21,752			
26	30-Dec-22	225.68	168.68	1,08,475	1,08,475	(0)	88,013	20,462			
27	31-Dec-22	229.84	168.69	1,10,620	1,10,620	0	86,479	24,141			
28	01-Jan-23	207.03	168.24	63,836	63,611	225	52,801	11,035		7	
29	02-Jan-23	221.20	168.28	81,961	81,961	(0)	62,555	19,406			
30	03-Jan-23	214.77	168.26	41,159	41,159	0	32,318	8,841		8	
31	04-Jan-23	220.53	168.27	51,255	51,254	1	39,249	12,006			
32	05-Jan-23	232.10	168.30	93,178	93,178	0	67,566	25,612			
33	06-Jan-23	235.81	168.32	65,732	65,732	(0)	46,919	18,813			
34	07-Jan-23	241.91	168.33	75,020	75,020	0	52,201	22,819			
35	08-Jan-23	218.22	168.26	1,61,677	1,61,677	(0)	1,25,277	36,400		9	
36	09-Jan-23	242.73	168.33	23,54,103	23,54,103	(0)	23,20,680	33,423			
37	10-Jan-23	246.77	168.35	73,857	73,858	(1)	50,386	23,471			
38	11-Jan-23	254.48	168.36	96,350	96,350	0	63,743	32,607			
39	12-Jan-23	251.09	168.35	63,172	63,172	(0)	42,356	20,816			
40	13-Jan-23	252.43	168.36	1,08,482	1,08,482	(0)	72,351	36,131			
41	14-Jan-23	243.68	168.33	1,08,197	1,08,197	(0)	76,765	31,432		10	
42	15-Jan-23	226.64	168.28	77,885	77,885	(0)	57,830	20,055			
43	16-Jan-23	225.16	168.28	93,750	93,750	0	74,402	19,348			
44	17-Jan-23	222.06	168.28	38,149	38,149	(0)	28,910	9,239			
45	18-Jan-23	218.01	168.27	60,745	60,746	(1)	47,300	13,445			
46	19-Jan-23	221.70	168.29	76,658	76,658	(0)	58,191	18,467			
47	20-Jan-23	280.60	168.30	(29,197)	(29,197)	(0)	(17,265)	(11,932)			
48	21-Jan-23	285.33	168.17	34,500	34,499	1	20,333	14,167			
49	22-Jan-23	192.49	168.89	58,783	58,784	(1)	53,239	5,544			
50	23-Jan-23	219.86	168.20	1,06,946	1,06,946	0	85,344	21,602			
51	24-Jan-23	204.39	168.24	97,104	97,104	0	79,929	17,175			
52	25-Jan-23	204.55	168.24	48,246	48,246	0	39,681	8,565			
53	26-Jan-23	190.72	168.20	98,454	98,454	(0)	89,012	9,442			
54	27-Jan-23	201.89	168.22	78,065	78,065	0	65,503	12,562			

55	28-Jan-23	204.97	168.24	69,531	69,532	(1)	57,071	12,460		9	
56	29-Jan-23	193.73	168.20	31,911	31,911	(0)	27,783	4,128			
57	30-Jan-23	207.58	168.24	1,26,747	1,26,746	1	1,08,898	17,849			
58	31-Jan-23	201.41	168.21	1,99,169	1,99,170	(1)	1,81,763	17,406			
59	01-Feb-23	198.31	168.68	93,761	93,760	1	84,497	9,264			
60	02-Feb-23	219.11	168.71	24,94,533	24,94,532	1	24,32,280	62,253			
61	03-Feb-23	210.41	168.70	1,05,937	1,05,937	0	92,899	13,038			
62	04-Feb-23	203.41	168.73	41,760	41,759	1	34,639	7,121			
63	05-Feb-23	195.86	168.69	49,878	49,878	0	42,958	6,920			
64	06-Feb-23	207.00	168.72	46,274	46,274	(0)	37,716	8,558			
65	07-Feb-23	196.99	168.71	86,949	86,949	0	74,468	12,481		10	
66	08-Feb-23	201.65	168.73	1,83,644	1,83,644	(0)	1,74,191	9,453			
67	09-Feb-23	206.81	168.74	1,28,125	1,28,125	0	1,16,448	11,677			
68	10-Feb-23	212.42	168.74	2,13,690	2,13,690	0	1,74,005	39,685			
69	11-Feb-23	216.42	168.77	6,21,033	6,21,033	0	5,27,529	93,504			
70	12-Feb-23	168.54	168.73	4,68,076	4,68,076	(0)	4,68,596	(520)			
71	13-Feb-23	168.60	168.77	5,89,778	5,89,778	(0)	5,90,230	(452)			
72	14-Feb-23	239.99	168.80	4,96,496	4,96,497	(1)	3,94,911	1,01,585			
73	15-Feb-23	249.41	168.82	8,53,952	8,48,448	5,504	7,10,178	1,43,774			
74	16-Feb-23	250.98	168.82	7,15,052	7,15,052	0	5,68,236	1,46,816		11	
75	17-Feb-23	257.42	168.84	8,03,345	8,03,345	(0)	6,40,079	1,63,266			
76	18-Feb-23	260.66	168.85	5,65,012	5,65,012	0	4,21,289	1,43,723			
77	19-Feb-23	168.61	168.76	4,47,406	4,47,405	1	4,47,725	(319)			
78	20-Feb-23	169.12	169.09	5,87,458	5,87,458	(0)	5,87,392	66			
79	21-Feb-23	169.28	169.29	4,19,594	4,19,593	1	4,19,602	(8)			
80	22-Feb-23	169.18	169.19	4,91,988	4,91,988	(0)	4,92,014	(26)			
81	23-Feb-23	169.17	169.23	5,60,522	5,60,522	(0)	5,60,668	(146)			
82	24-Feb-23	169.33	169.30	37,52,152	37,52,152	0	37,52,118	34			
83	25-Feb-23	169.29	169.36	71,059	71,060	(1)	71,077	(18)			
84	26-Feb-23	170.85	169.26	61,053	61,053	(0)	60,683	370		12	
85	27-Feb-23	173.83	168.65	12,147	12,147	0	12,214	(67)			
86	28-Feb-23	167.81	168.84	51,461	51,461	0	51,582	(121)			
87	01-Mar-23	169.10	168.15	95,163	95,163	(0)	94,727	436			
88	02-Mar-23	169.10	168.30	62,540	62,540	(0)	62,284	256			
89	03-Mar-23	169.27	168.47	1,31,962	1,31,963	(1)	1,31,658	304			
90	04-Mar-23	169.31	168.52	65,465	65,465	(0)	65,295	170			
91	05-Mar-23	173.30	168.27	21,264	21,263	1	20,921	343			
92	06-Mar-23	169.00	168.10	62,021	62,021	0	61,751	270			
93	07-Mar-23	168.93	168.14	67,087	67,087	0	66,966	121			
94	08-Mar-23	173.68	167.82	14,541	10,410	4,131	10,130	4,411		14	
95	09-Mar-23	167.11	167.77	2,665	2,665	0	2,675	(10)			
96	10-Mar-23	167.60	167.86	77,784	77,784	(0)	77,851	(67)			
97	11-Mar-23	168.86	168.09	75,077	75,077	(0)	74,884	193			
98	12-Mar-23	168.84	168.07	48,126	48,126	(0)	48,095	31			
	13-Mar-23								Petition No. 01/SW/2023	15	Minor Schedule is mismatched in bill and SEM data , for GKEL calculation SEM ERLDC site data is used
99		169.10	168.29	32,995	31,981	1,014	31,835	1,160			
100	14-Mar-23	169.09	168.27	1,46,520	1,46,520	0	1,46,050	470			
101	15-Mar-23	169.76	168.39	9,28,317	9,28,317	0	9,21,114	7,203			
102	16-Mar-23	220.82	168.34	98,411	98,411	0	76,911	21,500			
103	17-Mar-23	168.85	168.10	78,218	78,218	(0)	77,984	234			
104	18-Mar-23	168.82	168.08	1,34,123	1,34,123	0	1,33,945	178			
105	19-Mar-23	169.46	168.01	46,352	46,352	(0)	46,010	342			
106	20-Mar-23	412.26	167.91	1,209	1,209	0	1,405	(196)			
107	21-Mar-23	333.64	167.83	20,725	20,726	(1)	13,935	6,790			
	22-Mar-23									16	Minor Schedule is mismatched in bill and SEM data , for GKEL calculation SEM ERLDC site data is used
108		347.64	167.88	22,006	22,179	(173)	21,542	464			
109	23-Mar-23	381.88	167.94	52,184	52,184	0	24,312	27,872			
110	24-Mar-23	386.77	167.99	64,847	64,846	1	41,407	23,440			

111	25-Mar-23	410.15	168.06	(80,140)	(81,781)	1,641	(27,465)	(52,675)		16	Minor Schedule is mismatched in bill and SEM data , for GKEL calculation SEM ERLDC site data is used
112	26-Mar-23	388.75	167.91	51,776	(1,70,201)	2,21,977	(73,088)	1,24,864			Major Schedule is mismatched in bill and SEM data , for GKEL calculation SEM ERLDC site data is used
113	27-Mar-23	475.41	167.84	92,261	92,260	1	35,728	56,533		17	
114	28-Mar-23	515.27	167.87	1,63,789	1,63,789	0	1,09,655	54,134			
115	29-Mar-23	548.28	167.89	26,708	26,709	(1)	31,472	(4,764)			
116	30-Mar-23	512.23	167.86	2,05,640	2,05,639	1	79,157	1,26,483			
117	31-Mar-23	362.74	167.81	78,646	78,646	0	39,942	38,704			
118	01-Apr-23	397.91	172.16	97,861	97,861	0	59,949	37,912			
119	02-Apr-23	366.60	172.12	66,697	66,698	(1)	45,415	21,282		18	
120	03-Apr-23	367.70	172.14	(11,033)	(11,033)	(0)	7,612	(18,645)			
121	04-Apr-23	351.11	172.15	47,159	47,160	(1)	32,566	14,593			
122	05-Apr-23	371.23	172.17	1,74,586	1,74,586	0	1,03,341	71,245			
123	06-Apr-23	367.18	172.19	2,83,292	2,83,292	0	2,04,565	78,727			
124	07-Apr-23	405.84	172.18	2,53,687	2,53,687	0	1,31,442	1,22,245			
125	08-Apr-23	434.65	172.21	94,254	94,253	1	38,123	56,131			
126	09-Apr-23	503.43	172.20	1,61,758	1,61,758	0	69,064	92,694			
127	10-Apr-23	0.00	172.23	20,783	20,783	0	4,709	16,074			
128	11-Apr-23	694.76	172.11	18,886	18,886	0	29,441	(10,555)			
129	12-Apr-23	733.36	172.11	1,17,170	1,17,170	0	39,395	77,775		19	
130	13-Apr-23	728.70	172.11	47,346	47,346	0	40,278	7,068			
131	14-Apr-23	819.14	172.11	95,388	95,388	0	48,423	46,965			
132	15-Apr-23	803.09	172.11	1,15,627	1,15,627	(0)	51,103	64,524			
133	16-Apr-23	735.00	172.11	77,577	77,577	(0)	41,727	35,850			
				2,78,57,010	2,76,22,690	2,34,320	2,47,35,151	31,21,859			

Annexure-B15.1

SUMMARY OF DEVIATION CHARGE RECEIPT AND PAYMENT STATUS

BILL UPTO 02-07-2023 (W-14 of FY 2023-24)
Last Payment Disbursement Date - 21-07-2023

Figures in ₹ Lakhs

CONSTITUENTS	Net outstanding for 2022-23	Receivable by Pool	Received by Pool	Payable From Pool	Paid From Pool	Outstanding for 2023-24	Total Outstanding
BSPTCL	2,547.54813	2,071.06534	0.00000	4,298.76836	0.00000	-2,227.70302	319.84511
JUVNL	114.52322	2,651.70050	0.00000	494.12634	0.00000	2,157.57416	2,272.09738
DVC	0.00000	2,870.17302	2,679.00064	934.28409	934.28409	191.17238	191.17238
GRIDCO	0.00000	2,104.78633	1,951.01988	3,755.41409	3,727.29494	125.64730	125.64730
WBSETCL	0.00000	61.11621	4.39569	10,875.32550	10,818.60498	0.00000	0.00000
Sikkim	1,186.22267	1,304.68716	0.00000	106.16568	0.00000	1,198.52148	2,384.74415
NTPC	0.00000	8,206.50245	7,594.39047	0.00000	0.00000	612.11198	612.11198
NHPC	0.00000	1.90652	1.37824	236.37415	235.84587	0.00000	0.00000
MPL	0.00000	6.80808	4.23679	386.32044	383.74914	-0.00001	-0.00001
APNRL	0.00000	126.88932	61.53893	53.31578	53.31578	65.35039	65.35039
CHUZACHEN	0.00000	96.99039	96.98223	9.85620	9.84804	0.00000	0.00000
NVVN-BD	0.00000	157.93448	136.71076	363.77660	342.55288	0.00000	0.00000
GMR	0.00000	115.31327	97.98844	51.86122	59.17948	24.64309	24.64309
JITPL	0.00000	246.59236	242.72021	243.68542	239.81329	0.00000	0.00000
TPTCL (Dagachu)	0.00000	250.83522	239.07708	47.56495	43.34110	7.53429	7.53429
JLHEP	0.00000	46.33794	0.00000	85.48328	85.48328	46.33794	46.33794
NVVN-NEPAL	0.00000	3,801.02156	3,766.25531	101.86572	101.86572	34.76625	34.76625
BRBCL	0.00000	250.18031	244.56963	46.63215	46.15635	5.13488	5.13488
PGCIL SASARAM	0.00000	20.60875	20.60875	1.05532	1.05532	0.00000	0.00000
TUL (Teesta-III)	0.00000	927.93879	905.32444	370.91258	370.91258	0.00000	0.00000
Dikchu	0.00000	240.78298	240.78296	116.55890	116.55890	0.00002	0.00002
PGCIL-Alipurduar	0.00000	5.65515	0.73550	1.82916	1.82916	4.91965	4.91965
Tashiding(THEP)	0.00000	0.00000	0.00000	81.41900	81.41900	0.00000	0.00000
RONGNICHU	0.00000	9.05377	9.05377	180.92948	180.92948	0.00000	0.00000
NVVN Bhutan	0.00000	344.85483	342.04881	242.94282	240.13680	0.00000	0.00000
ECR	0.00000	0.22709	0.00000	229.33773	229.11064	0.00000	0.00000
Total	3,848.29402	25,919.96182	18,638.81853	23,315.80496	18,303.28682	2,246.01078	6,094.30480

Receivable: Receivable by ER Payable: Payable by ER POOL
Received: Received by ER P Paid: Paid by ER POOL
'- ve' Payable by ER pool '+ ve' Receivable by ER pool

Annexure -B15.2

STATUS OF REACTIVE CHARGES

AS ON 25.07.23

Figures in ₹ Lakhs

Name of Parties	Receivable Amount by pool	Received Amount by pool	Payable Amount by pool	Paid Amount by pool	Outstanding Amount Receivable(+Ve) / Payable by pool(-Ve)
BSPHCL	76.29	50.97	32.86	7.54	0.00
JUVNL	147.22	128.11	3.54	0.00	15.57
DVC	9.35	6.67	9.41	9.41	2.67
GRIDCO	24.27	19.61	35.30	35.29	4.65
SIKKIM	0.00	0.00	5.45	5.45	0.00
WBSETCL	76.86	39.99	18.41	3.60	22.06

Receivable:

Receivable by ER POOI Payable:

Payable by ER POOL

Received:

Received by ER POOL Paid:

Paid by ER POOL

'- ve' Payable by ER pool

'+ ve' Receivable by ER pool

Deviation Interest Bill due to delay payment

Annexure-B15.3

All figs in ₹

Sl No.	Constituent Name	Interest outstanding till Q4_2020-21	Interest Received by Pool against outstanding	Interest Paid by pool against Outstanding	Net Interest outstanding till Q4_2020-21
1	BSPTCL	91,05,608	91,05,608		0
2	DVC	23,718		23,718	0
3	GRIDCO	-2,79,466		2,79,466	0
4	JUVNL	4,34,61,973	4,34,61,973		0
5	Sikkim	11,76,865	11,76,865		0
6	WBSETCL	21,415	21,415		0
7	NHPC	-54,745		54,745	0
8	NTPC	0			0
9	APNRL	11,33,748	11,33,748		0
10	BRBCL	-1,316		1,316	0
11	JLHEP	1,28,853	1,15,968	12,885	0
12	CHUZACHEN	-3,119		3,119	0
13	GMR	1,73,96,828	1,73,96,828		0
14	IBEUL	26,67,585			26,67,585
15	JITPL	8,589	8,589		0
16	KBUNL	40	40		0
17	MPL	-33,428		33,428	0
18	NPGC-Infirm	0			0
19	NPGC	-10,953		10,953	0
20	NVVN-BD	24,603		24,603	0
21	NVVN-NEPAL	0			0
22	OPGC	24,209			24,209
23	PGCIL-Alipurduar	1,72,257	1,72,258		0
24	PGCIL SASARAM	1,686	1,686		0
25	Tashiding(THEP)	1,57,661	1,57,661		0
26	Dikchu	28,701	28,701		0
27	TPTCL (Dagachu)	0			0
28	TUL (Teesta-III)	-1,134		1,134	0

'- ve' Payable by ER pool

'+ ve' Receivable by ER pool

Note: Ind-bharath interest is calculated till 29.05.2019

RRAS interest details				
Constituents	Amount in ₹ Lacs	Interest Paid in 1st Quarter 2021-22	Balance	Payment Date
NTPC	-4.85430	4.85430	0.00000	16.06.2020
BRBCL	-0.60400	0.60400	0.00000	16.06.2020
KBUNL	-3.22746	3.22746	0.00000	16.06.2020
MPL	-2.22505	2.22505	0.00000	16.06.2020
NPGC	-0.79683	0.79683	0.00000	16.06.2020
Total	-11.70764	11.70764		

Current Status of Letter of Credit (LC) amount against DSM charges for ER constituents*Figures in Lacs of Rupees*

SI No	ER Constituents	No. of weeks in which Deviation Charge payable	No of times payment was delayed during 2022-23	Total Deviation charges payable to pool during 2022-23	Average weekly Deviation Charge liability (C)/52 weeks	LC Amount 110% of (B)	Defaulting Weeks	Due date of expiry	Remarks
		(A)	(B)	(C)	(D)	(E)	(G)	(F)	(G)
1	Bihar State Power Holding Corporation Limited/ बिहार	37	37	19124.44	367.78	404.55551	ALL Weeks	12-11-2023	LC opened for ₹ 213,53,049 /-
2	Jharkhand State Electricity Board / झारखंड	36	36	16432.86	316.02	347.61817	ALL Weeks	14-03-2024	LC opened for ₹ 139,64,455 /-
3	Damodar Valley Corporation / डीवीसी	39	2	12559.02	241.52	265.67154	25, 38	No Valid LC	
4	Power Deptt, Govt. of Sikkim / सिक्किम	28	28	2176.42	41.85	46.03970	ALL Weeks	No Valid LC	
5	APNRL	39	39	1226.93	23.59	25.95437	ALL Weeks	No Valid LC	
6	Gati Chuzachen / चुजाचेन	18	13	116.69	2.24	2.46842	All weeks Except 25, 32, 41, 49, 50	No Valid LC	
7	GMR / जीएमआर	45	37	948.14	18.23	20.05681	All week except 9, 10, 11, 12, 14, 15, 17, 18	No Valid LC	
8	Jindal India Thermal Power Ltd.	33	6	1422.66	27.36	30.09467	2, 3, 38, 50	No Valid LC	
9	TPTCL Dagachu/ डगगचु	45	6	3812.86	73.32	80.65675	36, 38, 39, 40, 44, 45	31-03-2024	LC opened for ₹ 80,65,675 /-
10	JLHEP	35	31	1192.36	22.93	25.22302	All weeks Except 2, 6, 19, 27	No Valid LC	
11	BRBCL /बीआर बीसीएल	42	2	1738.40	33.43	36.77389	29, 46	No Valid LC	
12	PGCIL-Sasaram / सासाराम	30	3	38.17	0.73	0.80735	43, 52	31-03-2024	LC opened for ₹ 80,735 /-
13	Dikchu	18	8	185.40	3.57	3.92202	30, 37, 38, 41, 43, 45, 46, 50	01-08-2023	LC opened for ₹ 174,484 /-
14	PGCIL-Alipurduar / अलीपुरदुआर	15	8	23.14	0.44	0.48940	1, 2, 3, 4, 7, 8	31-12-2023	LC opened for ₹ 86763/-
15	Tashiding	23	17	396.09	7.62	8.37890	All weeks Except 1, 2, 4, 6, 19, 27	No Valid LC	

SI No	Nature of Amount	Amount transferred to PSDF (Rs in Lac)	Date of Disbursement	Remarks
	Opening Balance (upto 31.03.2019)	95896.17		
1	Reactive Energy Charge	105.79202	04.04.19	Reactive Charges_18-19
2	Reactive Energy Charge	287.48448	03.05.19	Reactive Charges_18-19 & 19-20
3	Reactive Energy Charge	129.69559	03.06.19	Reactive Charges_19-20
4	Reactive Energy Charge	207.83840	04.07.19	Reactive Charges_19-20
5	Reactive Energy Charge	94.91703	02.08.19	Reactive Charges_19-20
6	Reactive Energy Charge	188.53681	02.09.19	Reactive Charges_19-20
7	Surplus DSM amount transferred	32210.51998	24.09.19	DSM Charges_19-20
8	Reactive Energy Charge	173.06004	01.10.19	Reactive Charges_19-20
9	Reactive Energy Charge	273.15002	01.11.19	Reactive Charges_19-20
10	Reactive Energy Charge	401.09564	04.12.19	Reactive Charges_19-20
11	Reactive Energy Charge	252.53573	02.01.20	Reactive Charges_19-20
12	Reactive Energy Charge	148.65520	07.02.20	Reactive Charges_19-20
13	Reactive Energy Charge	205.22437	04.03.20	Reactive Charges_19-20
14	Bank interest from Reactive acct	0.21706	03.04.20	Bank interest from Reactive acct
15	Reactive Energy Charge	843.03166	03.06.20	Reactive Charges_19-20 & 20-21
16	Reactive Energy Charge	507.80481	07.07.20	Reactive Charges_17-18,18-19 & 20-21
17	Reactive Energy Charge	309.41068	06.08.20	Reactive Charges_17-18,18-19 & 20-21
18	Reactive Energy Charge	83.23955	02.09.20	Reactive Charges_19-20 & 20-21
19	Bank interest of DSM A/C-TDS portion	251.65235	18.09.20	Bank interest TDS portion transferred from POSOCO,CC
20	Bank interest of DSM A/C-TDS portion	15.64788	22.09.20	Bank interest TDS portion transferred from POSOCO,CC
21	Reactive Energy Charge	118.85979	06.10.20	Reactive Charges_20-21
22	Reactive Energy Charge	101.42971	04.11.20	Reactive Charges_20-21
23	Reactive Energy Charge	82.34791	04.12.20	Reactive Charges_20-21
24	Reactive Energy Charge	500.95333	06.01.21	Reactive Charges of_19-20 & 20-21
25	Reactive Energy Charge	92.51486	03.02.21	Reactive Charges of_19-20 & 20-21
26	Reactive Energy Charge	50.22963	04.03.21	Reactive Charges of_19-20 & 20-21
27	Reactive Energy Charge	32.15331	07.04.21	Reactive Charges of_19-20 & 20-21
28	Reactive Energy Charge	39.59760	05.05.21	Reactive Charges of_19-20 & 20-21
29	Reactive Energy Charge	18.96069	01.06.21	Reactive Charges of_20-21 & 21-22
30	Reactive Energy Charge	392.24613	12.07.21	Reactive Charges of_20-21 & 21-22
31	Reactive Energy Charge	214.22298	22.07.21	Reactive Charges 21-22
32	Addl. Dev	392.94201	25.08.21	DSM Charges of 19-20 received from Jharkhand
33	Addl. Dev	5.99326	03.09.21	DSM Charges of 19-20 received from Jharkhand
34	Reactive Energy Charge	330.73064	09.09.21	Reactive Charges 21-22
35	Addl. Dev	1334.97939	23.09.21	DSM Charges of 20-21 received from Bihar
36	Addl. Dev	500.00000	27.09.21	DSM Charges of 20-21 received from Bihar
37	Addl. Dev	1500.00000	29.09.21	DSM Charges of 20-21 received from Bihar
38	Addl. Dev	500.00000	01.10.21	DSM Charges of 20-21 received from Bihar
39	Addl. Dev	1000.00000	05.10.21	DSM Charges of 20-21 received from Bihar
40	Addl. Dev	402.60050	05.10.21	DSM Charges of 20-21 received from Jharkhand
41	Reactive Energy Charge	131.05971	07.10.21	Reactive Charges 21-22
42	Addl. Dev	1000.00000	22.10.21	DSM Charges of 20-21 received from Bihar
43	Addl. Dev	1000.00000	26.10.21	DSM Charges of 20-21 received from Bihar
44	Addl. Dev	539.21266	28.10.21	DSM Charges of 20-21 received from Bihar
45	Reactive Energy Charge	224.70676	03.11.21	Reactive Charges 21-22
46	Reactive Energy Charge	366.25533	03.12.21	Reactive Charges 21-22
47	Reactive Energy Charge	5.33816	09.12.21	Interest Amount received in Reactive Account
48	Addl. Dev	489.56759	04.01.22	DSM Charges of 20-21 received from Jharkhand
49	Reactive Energy Charge	449.70232	04.01.22	Reactive Charges 21-22
50	Reactive Energy Charge	547.40910	04.02.22	Reactive Charges 21-22
51	Addl. Dev	7182.00679	08.02.22	Excess amount after clearing Wk-43
52	Addl. Dev	103.38490	28.02.22	DSM Charges of 20-21 received from Jharkhand and POSOCO CC (REC)
53	Reactive Energy Charge	22.28702	04.03.22	Reactive Charges 21-22
54	Reactive Energy Charge	978.22379	08.03.22	Reactive Charges 21-22
55	Reactive Energy Charge	502.63132	04.04.22	Reactive Charges 21-22
56	Addl. Dev	13586.90110	02.05.22	Addl Dev Charge 21-22
57	Reactive Energy Charge	91.67842	02.05.22	Reactive Charges 21-22
58	Addl. Dev	323.72543	17.05.22	DSM Charges of 21-22 received from Jharkhand
59	Addl. Dev	223.19034	31.05.22	DSM Charges of 21-22 received from Jharkhand
60	Addl. Dev	17070.55890	02.06.22	DSM charges
61	Reactive Energy Charge	104.77973	02.06.22	Reactive Charges 21-22
62	Addl. Dev	700.00000	10.06.22	DSM Charges of 21-22 received from Jharkhand and DVC (Bhutan)
63	Addl. Dev	230.65522	24.06.22	DSM Charges of 21-22 received from Jharkhand and DVC (Bhutan)
64	Addl. Dev	200.00000	28.06.22	DSM Charges of 21-22 received from Jharkhand
65	Addl. Dev	200.00000	01.07.22	DSM Charges of 21-22 received from Jharkhand
66	Reactive Energy Charge	491.14301	08.07.22	Reactive Charges 21-22 received from Bihar
67	Addl. Dev	200.00000	14.07.22	DSM Charges of 21-22 received from Jharkhand
68	Addl. Dev	900.00000	20.07.22	DSM Charges of 21-22 received from Sikkim and Bihar
69	Addl. Dev	300.00000	25.07.22	DSM Charges of 21-22 received from Jharkhand
70	Addl. Dev	200.00000	26.07.22	DSM Charges of 21-22 received from Jharkhand
71	Addl. Dev	400.00000	28.07.22	DSM Charges of 21-22 received from Jharkhand
72	Addl. Dev	553.96908	08.08.22	DSM Charges of 21-22 received from Bihar
73	Reactive Energy Charge	56.45017	08.08.22	Reactive Charges 22-23
74	Reactive Energy Charge	586.61896	07.09.22	Reactive Charges 22-23
75	Reactive Energy Charge	152.77578	07.10.22	Reactive Charges 22-23
76	Addl. Dev	15507.63580	07.11.22	DSM Charges 22-23
77	Reactive Energy Charge	94.63234	07.11.22	Reactive Charges 22-23
78	Reactive Energy Charge	89.18883	02.12.22	Reactive Charges 22-23
79	Reactive Energy Charge	162.52773	05.01.23	Reactive Charges 22-23
80	Reactive Energy Charge	3.93158	07.02.23	Reactive Charges 22-23
81	Reactive Energy Charge	292.70498	06.03.23	Reactive Charges 22-23
82	Reactive Energy Charge	321.80291	30.03.23	Reactive Charges 22-23
83	Addl. Dev	10079.39783	06.04.23	DSM Charges 22-23
84	Reactive Energy Charge	716.65397	04.05.23	Reactive Charges 23-24
85	Reactive Energy Charge	508.35350	07.06.23	Reactive Charges 23-24
86	Reactive Energy Charge	83.11163	05.07.23	Reactive Charges 23-24
	Total	218170.61053		

DSM account Reconciliation Status of ER constituents

Annexure-B15.6

	2019-20				2020-21				2021-22				2022-23			
Name of The Utility	Q1 (17.07.19)	Q2 (21.10.19)	Q3 (13.01.20)	Q4 (15.04.20)	Q1 (15.07.20)	Q2 (23.10.20)	Q3 (20.01.21)	Q4 (28.04.21)	Q1 (06.07.21)	Q2 (07.10.21)	Q3 (11.01.22)	Q4 (18.04.22)	Q1 (15.07.22)	Q2 (21.10.22)	Q3 (19.01.23)	Q4 (28.04.23)
BSPHCL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
JUVNL	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
DVC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO
GRIDCO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
WBSETCL	YES	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO
SIKKIM	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NTPC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NHPC	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	NO
MPL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES
APNRL	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHUZACHEN(GATI)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NVVN(Ind-Bng)	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	NO
NVVN(Ind-Nep)	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	NO
GMR	YES	YES	YES	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
JITPL	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	NO	NO	YES	NO
INBEUL	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA
TPTCL (DAGACHU)	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES
JLHEP(DANS ENERGY)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES
BRBCL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
POWERGRID (ER-I)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
POWERGRID (ER-II)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
TUL (TEESTA-III)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	NO
DIKCHU	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO
SHIGA (TASHIDING)	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES	YES	NO	NO	YES	YES
OPCC	NO	NO	NO	NO	NO	NO	NO	NO	NA	NA	NA	NA	NA	NA	NA	NA
Rongnichu	NA				NA				NA				NO	NO	NO	YES
NVVN Bhutan					NA								NA	NA	NA	NO

(1)The dates in the bracket indicates the date of sending the Reconciliation statements by ERLDC to utilities.

(2) YES Indicates that signed reconciliation statement received by ERLDC

(3) NO Indicates that signed reconciliation statement is not received by ERLDC

Reactive Account Reconciliation Status

Annexure-B15.7

	2019-20				2020-21				2021-22				2022-23			
Reactive account Reconciliation Status of ER constituents																
Name of The Utility	Q1 (17.07.19)	Q2 (21.10.19)	Q3 (13.01.20)	Q4 (15.04.20)	Q1 (15.07.20)	Q2 (23.10.20)	Q3 (20.01.21)	Q4 (28.04.21)	Q1 (06.07.21)	Q2 (07.10.21)	Q3 (11.01.22)	Q4 (18.04.22)	Q1 (15.07.22)	Q2 (21.10.22)	Q3 (19.01.23)	Q4 (28.04.23)
BSPHCL	YES	NA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
JUVNL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
DVC	YES	N/A	N/A	N/A	YES	NO	NO	YES	YES	YES	YES	YES	NO	NO	NO	NO
GRIDCO	YES	YES	YES	YES	YES	YES	YES	YES	Yes	YES	YES	YES	YES	YES	NO	YES
WBSETCL	YES	YES	NO	NO	YES	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO
SIKKIM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RRAS Account Reconciliation Status

	2019-20				2020-21				2021-22				2022-23			
RRAS account Reconciliation Status																
Name of The Utility	Q1 (17.07.19)	Q2 (21.10.19)	Q3 (13.01.20)	Q4 (15.04.20)	Q1 (15.07.20)	Q2 (23.10.20)	Q3 (20.01.21)	Q4 (28.04.21)	Q1 (06.07.21)	Q2 (07.10.21)	Q3 (11.01.22)	Q4 (18.04.22)	Q1 (15.07.22)	Q2 (21.10.22)	Q3 (19.01.23)	Q4 (28.04.23)
NTPC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
BRBCL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
KBUNL	NA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES

AGC Account Reconciliation Status

	2019-20				2020-21				2021-22				2022-23		
Name of The Utility	Q1 (17.07.19)	Q2 (21.10.19)	Q3 (13.01.20)	Q4 (15.04.20)	Q1 (15.07.20)	Q2 (23.10.20)	Q3 (20.01.21)	Q4 (28.04.21)	Q1 (06.07.21)	Q2 (07.10.21)	Q3 (11.01.22)	Q4 (18.04.22)	Q1 (15.07.22)	Q2 (21.10.22)	Q3 (19.01.23)
NTPC	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES
MPL	NA				NA				NA	YES	YES	YES	YES	YES	YES
NHPC									NA	NO		NO	YES	YES	YES

SRAS Account Reconciliation Status

2022-23		
Name of The Utility	Q3 (19.01.23)	Q4 (28.04.23)
NTPC	YES	YES
MPL	YES	YES
NHPC	YES	NO

Reconciliation Between Open Access department of ERLDC and SLDCs, STUs and CTU

Sl. No.	STUs / SLDCs Name	Quarter-I (2022-23)	Quarter-II (2022-23)	Quarter-III (2022-23)	Quarter-IV (2022-23)
	Date of Issuance	28-07-2022	26-10-2022	30-01-2023	18-04-2023
1	West Bengal - SLDC and STU	NO	NO	NO	NO
2	DVC - SLDC	NO	NO	YES	YES
3	OPTCL-SLDC and STU	YES	YES	YES	YES
4	Jharkhand STU and SLDC	NO	NO	NO	NO
5	Bihar-SLDC and STU	YES	NO	NO	NO
6	Andhra Pradesh	NO	NO	NO	NO
7	CHHATTISGARH	NO	NO	NO	NA
8	Delhi	NO	NO	NO	NA
9	HIMACHAL PRADESH	NO	NO	NO	NO
10	JAMMU & KASHMIR	NO	NA	NA	NA
11	KARNATAKA	NO	NO	NO	NO
12	MADHYA PRADESH	NO	NO	NO	NO
13	MAHARASTRA	NO	NO	NO	NO
14	RAJASTHAN	NO	NO	NO	NO
15	Gujarat	NA	NO	NO	NA
16	Uttar Pradesh	NA	NO	NO	NO
17	Telangana	NA	NA	NO	NO
18	CTU	NO	NO	NO	NO

Reconciliation Between Open Access department of ERLDC and Applicants					
Sl. No.	Applicants Name	Quarter-I (2022-23)	Quarter-II (2022-23)	Quarter-III (2022-23)	Quarter-IV (2022-23)
	Date of Issuance	28-07-2022	26-10-2022	30-01-2023	18-04-2023
1	Bihar State Power Holding Company Limited	NA	NA	NA	NA
2	Calcutta Electric Supply Company	NA	NA	NA	NA
3	GRIDCO Ltd	YES	YES	NA	NA
4	Jindal India Thermal Power Limited	NO	NO	NO	NO
5	Jharkhand Bijli Vitaran Nigam Limited	NO	NO	NO	NO
6	NHPC Limited	NA	NA	NA	NA
7	West Bengal State Electricity Distribution Company Limited	NO	NO	NA	NA
8	ADANI HYBRID ENERGY JAISALMER THREE LIMITED AHS	YES	YES	NA	NA
9	ADANI HYBRID ENERGY JAISALMER THREE LIMITED AHW	YES	YES	NA	NA
10	Arunachal Pradesh Power Corporation Private Limited	NO	NO	NO	NO
11	Clean Solar Power (Jodhpur) Private Limited	YES	YES	YES	NA
12	DALMIA CEMENT (BHARAT) LIMITED (RCW)	NA	NA	NA	NO
13	HINDUSTAN POWER EXCHANGE LIMITED	NA	YES	YES	YES
14	INDIAN ENERGY EXCHANGE LIMITED	NO	NO	NO	YES
15	India Power Corporation Limited	NO	NO	NO	NO
16	ITC Limited Dairy Plant	NO	NO	NA	NA
17	ITC Limited ITD Munger	YES	YES	NA	NA
18	ITC LTD Kidderpore	NO	NO	NO	NA
19	I T C LIMITED, Sonar and Royal Bengal	NA	NO	NA	NA
20	KREATE ENERGY(I) PRIVATE LIMITED	NO	NO	NO	NO
21	NATIONAL ALUMINIUM COMPANY LIMITED AP	NA	NA	NA	NO
22	NATIONAL ALUMINIUM COMPANY LIMITED-OD	NA	NA	NA	NO
23	NTPC VIDYUT VYAPAR NIGAM LIMITED	YES	NA	NA	NA
24	POWER EXCHANGE INDIA LIMITED	NO	YES	YES	YES
25	PTC INDIA LIMITED	YES	YES	NO	NA
26	TATA POWER TRADING COMPANY LIMITED	NO	NO	NO	NO
27	TATA STEEL LIMITED @132kV	NO	NA	NA	NA
28	Saranyu Power Trading Private Limited	NA	NO	NA	NO
29	OSTRO KANNADA POWER PRIVATE LIMITED	NA	NO	NA	NA

ERLDC Fees & Charges

Annexure-B15.9

Sl No	Entity Name	2021-22				2022-23			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	Adhunik PNRL	Yes	Yes				Yes		Yes
2	Alipurduar HVDC								
3	Alipurduar Transmission Limited								
4	BARH STG-I	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	BARH-II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6	Bharatiya Rail Bijlee Company Ltd.	Yes				Yes	Yes		
7	Bihar State Power Transmission Company Ltd.								
8	Darbhanga-Motihari Transmission Company Ltd.	Yes	Yes						
9	Darlipali Super Thermal Power Project	Yes	Yes						
10	DVC								
11	DVC Seller								
12	ENICL								
13	FSTPP-I - II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14	FSTPP-III	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
15	GATI INFRASTRUCTURE PVT. LTD					Yes	Yes		
16	GMR Kamalanga Energy Ltd.								
17	GRIDCO	Yes	Yes	Yes	Yes				
18	HVDC SASARAM								
19	Jharkhand Bijli Vitran Nigam Limited								
20	JINDAL INDIA THERMAL POWER LTD.								
21	Jorethang Loop HEP								
22	Kanti Bijlee Utpadan Nigam limited	Yes	Yes	Yes	Yes			Yes	Yes
23	KHSTPP-I	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
24	KHSTPP-II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25	Maithon Power Limited	Yes	Yes		Yes				
26	Nabinagar Power Generation Corporation Ltd.					Yes		Yes	Yes
27	NORTH KARANPURA TRANSCO LIMITED								
28	NVVN						Yes		
29	Odisha Generation Phase-II Transmission Limited								
30	PMJTL								
31	PMTL								
32	POWERGRID ISTS								
33	POWERLINK ISTS								
34	Purulia & Kharagpur Transmission Comp. Ltd.								
35	RANGEET HEP								
36	Rognichu HEP					Yes			
37	Shiga Energy Private Ltd								
38	SIKKIM								
39	Sneha Kinetic Power Project Private Ltd								
40	TALCHER SOLAR PV POWER STATION,NTPC LIMITED	Yes	Yes						
41	Tata Power Trading Company Limited		Yes	Yes		Yes			
42	TEESTA HEP								
43	Teesta Urja Ltd.(Teesta -III HEP)	Yes							
44	Teestavalley Power Transmission Ltd.								
45	TSTPP-I	Yes	Yes						
46	WBSEDCL				Yes		Yes		

C/CP/PA2122-07-0P-IA015

October 04, 2021

MEMORANDUM

SUB: INVESTMENT APPROVAL FOR "PROVISION OF SPARE ICT's IN EASTERN REGION"

Investment approval for "**PROVISION OF SPARE ICT's IN EASTERN REGION**" has been accorded by the Competent Authority on October 01, 2021 as per the details given below:

1. SCOPE OF PROJECT

Broad Scope of works:

Procurement of 05 nos. transformer as regional spare for Eastern Region as per details given below:

400kV

i) ~~500MVA~~ 400/220kV 3-Phase Auto transformer as regional spare for Bihar, Odisha & West Bengal (one in each state): 3 nos

- a) 1 No. 500MVA,400/220kV ICT at 400/220 kV Pusauli Sub Station
- b) 1 No. 500MVA,400/220kV ICT at 400/220 kV Pandiabili Sub Station
- c) 1 No. 500MVA,400/220kV ICT at 400/220 kV Maithon Sub Station

220kV

i) 160MVA, 220/132kV 3-Phase Auto transformer as regional spare for Jharkhand & Odisha (one in each state): 2 nos

- a) 1 No. 160MVA, 220/132kV ICT at 400/220/132kV Daltonganj Sub Station
- b) 1 No. 160MVA, 220/132kV ICT at 400/220/132kV Baripada Sub Station

2. PROJECT COST & FUNDING

The estimated cost of the project based on June, 2021 price level is **₹94.56 crore** including IDC of **₹4.62 crore**. The abstract cost estimate is attached as **Annexure - I**.

The project is proposed to be implemented through Debt (70%) and Equity (30%) with loan component from domestic borrowing/ bonds/ External Commercial Borrowing (ECB) etc. and equity component through internal resources.



3. COMMISSIONING SCHEDULE

The project is scheduled to be commissioned within 24 months from the date of investment approval.


(Priti Nahar)
DGM (CP)

ABSTRACT COST ESTIMATE		
PROVISION OF SPARE ICT's IN EASTERN REGION		
(JUNE 2021 price level)		
Sl. No.	DESCRIPTION	AMOUNT (Rs. in crore)
A	Civil Works	
	i) Infrastructure for substations	1.00
B	Equipment Cost	
	a) Sub-Stations	78.07
	Sub Total A TO B	79.07
C	Incidental Expenditure During construction (IEDC) @ 10.75% of C	8.50
D	Contingencies @ 3% of C	2.37
	Sub Total (A TO D)	89.94
E	Interest During Construction(IDC)	4.62
	GRAND TOTAL	94.56



वितरण /Distribution:

1. CMD, Power System Operation Corporation Limited, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi -11001
2. Chairman, BSEB, Bidyut Bhawan, Bailey Road, Patna – 800 001
3. Chairman, WBSEB, Bidyut Bhawan, Bidhan Nagar, Block- DJ, Sector-II, Salt Lake City, Kolkata – 700 091
4. Chairman, Jharkhand UrjaVikas Nigam Ltd. Ranchi, Engineering Building, H.E.C Dhurwa, Ranchi – 834 004
5. Secretary (Power), Power Department, Govt. of Sikkim, Gangtok – 727 102
6. CMD, GRIDCO, Vidyut Bhawan, Janpath, Bhubaneswar – 751 007

प्रति विनम्र सूचनार्थ /Copy for kind information, please:

1. PS to Secretary (Power), MoP, Shram Shakti Bhawan, New Delhi- 110 001
2. PS to Addl. Secretary & Financial Advisor, MoP, Shram Shakti Bhawan, New Delhi- 110 001
3. Chairperson, CEA, Sewa Bhawan, R.K. Puram, New Delhi- 110 066
4. Secretary, CERC, 3rd & 4th Floor, Chanderlok building, 36, Janpath, New Delhi- 110 001
5. CEO, NITI Aayog, Yojana Bhawan, New Delhi- 110 001
6. Advisor, PAMD, NITI Aayog, Yojana Bhawan, New Delhi
7. Member Secretary, NRPC, 18/A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi- 110 016
8. Member (Power Systems), CEA, Sewa Bhawan, R.K.Puram, New Delhi- 110 066
9. Secretary, CEA, Sewa Bhawan, R.K.Puram, New Delhi- 110 066 – 03 copies
10. Joint Secretary, Ministry of Statistics & Programme Implementation, Sardar Patel Bhawan, New Delhi-110001
11. Joint Secretary (Transmission), MoP, Shram Shakti Bhawan, New Delhi- 110 001
12. Joint Secretary (Plan Finance Div.-II), Ministry of Finance, North Block, New Delhi- 110 001
13. Director (Transmission), MoP, Shram Shakti Bhawan, New Delhi- 110 001
14. Director, Ministry of Finance (Plan finance Div.), North Block, New Delhi- 110 001
15. Deputy Secretary, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi- 110 001
16. Under Secretary, Finance & Budget Section, MoP, Shram Shakti Bhawan, New Delhi- 110 001
17. CMD, Power System Operation Corporation Limited, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi -11001


(Priti Nahar)
DGM (CP)

Important Note:

As per approval, following critical activities may be monitored:

- (i) Timely Award of major package(s).
- (ii) Timely supply of major equipment.
- (iii) Risk Management Matrix indicating various milestones to be monitored for the subject project is attached at **Annexure-II**.

Distribution:

COO : IB, BDD & EMD

ED : ESMD & CSR/ CMG / TBCB/ Engg.- SS, TL, Civil, CE, FQA/ CS & MM / DMS/ Finance/ ERP & IT Cell/ HR/ Commercial & RC/ AM , LD&C & Safety Cell /TD/ Engg-HVDC & QA&I/ Telecom/ ERTS-I/ ERTS-II/PHTL

Chief GM : NTAMC/ PUTL/ Admin-IR/ HRD, RB & Corp. Comm

Sr.GM : CCC

Company Secretary

DGM: Law

For kind information of:

Director (Operations)/ Director (Personnel)/ Director (Finance)/Director (Projects)/CVO


(Priti Nahar)
DGM (CP)

RISK MANAGEMENT MATRIX FOR "PROVISION OF SPARE ICT'S IN EASTERN REGION"

Sl. No.	Risk Parameters	Broad Mitigation steps		Responsibility Centre**
		Mitigation-1	Mitigation-2	
1	Delay in commencement of project	Award of major contracts to be placed within 1 month of Investment Approval & Contract Agreement to be signed within 2 months thereafter.	Kick-off meeting within 1 month of Letter of Award	CS/CMG
2	Restriction of additional cost by CERC in absence of RCE	RCE-I to be prepared within 1 month of award of all major packages (Transmission line and substation)	RCE-II to be prepared when actual Capex is > 50% & thereafter regular review of project cost and completion schedule to ascertain requirement, if any, of further RCE requirement	Site Project Head / Cost. Engg.
3	Restriction of IDC/IEDC by CERC due to lack of / insufficiency in documentary evidence of time overrun	Regular records to be maintained regarding constraints in project progress and documented for support.	Hindrance register to be maintained in SAP and reviewed regularly by Project Head	Site Project Head / Commercial
4	Failure of equipments due to non-resolution of quality issue resulting in delay in projects	All major equipment quality checks to be maintained at per standard practice.	Quality to be ensured at different stages of manufacture as per standard practice.	QA & I Group
5	Non-compliance to statutory requirement of legal safety/ social/ environmental etc.	preparation of check-list at RHQ level and monitoring of same		Site Project Head
6	Timely Implementation of the Project			
a.	Commencement			
1	Finalization of L2	Within 1 month of CA		CMG
2	Site Mobilisation	As per L2		Site Project Head
3	Survey	As per L2		Site Project Head
4	Statutory Approvals/NOC (i.e. PTCC, Civil Aviation, Defence Establishment, Railways, Roadways, Waterways etc)	Application to be submitted within 1 month of completion of survey	Complete within 3 months before completion schedule	Site Project Head
b.	Physical Progress			
1	Foundation for Cold spare ICT	As per L2	Completion 2 months before Receipt of ICT at site.	Site Project Head
2	Supply of ICTs & other major equipment	As per L2	Commencement of supply 5 months before completion schedule and Completion of supply 1 months before completion schedule	CC: Head (Engg. - S/s) Site Project Head
c.	Commissioning	As per L2		Site Project Head

** Overall In-charge for Responsibility Centre is Head of the respective Region / Department

सन्दर्भ सं: ओडिशा/पी.इ.एस.एम./डी.ओ.सी.ओ./22-23/1047

दिनांक: 31-03-2023

NOTIFICATION OF DOCO

व्यवसायिक प्रचालन तिथि अधिसूचना

This is for Notification that consequent to successful installation & completion of pre-commissioning tests/checks, the following asset under "Provision of Spare ICTs in Eastern Region" have been put under Commercial Operation w.e.f. 00:00 Hrs of 31-03-2023 in terms of Clause-5 of CERC (Terms & Conditions of Tariff) Regulations 2019.

➤ **1 No. 160MVA, 220/132KV, 3-Ph ICT at 400/220/132KV Baripada Substation (Regional SPARE ICT for Odisha)**

Transmission charges of the above Asset is payable w.e.f. 31-03-2023.

सफल स्थापना और प्री-कमीशनिंग परीक्षणों/जांचों के बाद, केंद्रीय विद्यूत विनियामक आयोग नियमावली 2019 खंड-5 के अनुसार यह सूचित किया जाता है कि "Provision of Spare ICTs in Eastern Region" के अंतर्गत 1 नंबर 160MVA, 220/132KV, 3-Ph ICT (ओडिशा के लिए क्षेत्रीय स्पेयर ट्रांसफार्मर) को 400/220/132KV बारीपदा उपकेन्द्र में दिनांक 31-03-2023, 00.00 Hrs से व्यवसायिक प्रचालन के लिए शामिल किया गया है।

उपरोक्त परिसम्पत्ति से संबंधित विद्यूत प्रसारण शुल्क दिनांक 31-03-2023 से लागू होगा।



(वाई. के. दीक्षित)

कार्यपालक निदेशक

ओडिशा परियोजनाएँ, भुवनेश्वर

प्रतिलिपि : विनम्र सूचना के लिए:

1. The Member Secretary,
Eastern Region Power Committee
14, Golf Club Road, Tollygunj, Kolkata-700033
2. General Manager,
ERLDC (POSOCO)
14, Golf Club Road, Tollygunj
Kolkata-700033.
3. Chairman
Damodar Valley Corporation,
DVC Tower, VIP Road, Kolkata-700054
4. Chairman & Managing Director
West Bengal State Electricity Distribution Co. Limited,
DJ block, Vidyut Bhawan, Salt Lake City,
Kolkata-700091
5. Chairman & Managing Director, BSP(H)CL,
Bihar State Power Holding Company Limited,
Vidyut Bhavan, Bailey Road,
Patna: 800 001
6. Chairman,
Jharkhand State Electricity Board,
HEC Building,
Ranchi: 834 002
7. The Chairman and Managing Director,
Grid Corporation of Orissa Limited
Vidyut Bhavan, 4th Floor, Saheed Nagar
Bhubaneswar- 751 007
8. Secretary (Power), Power Department,
Govt. of Sikkim, Kaji Road,
Gangtok: 727 101
9. The Chief Executive Officer
Maithon Power Limited
MA-5, Gogna Colony, Maithon Dam Post Office,
District : Dhanbad, Jharkhand: 828 207
10. General Manager(Power Generation Project),
Generation Office (W-175),
M/s Tata Steel Limited,
Jamshedpur-831001, Jharkhand
11. Managing Director, WBSETCL,
West Bengal State Elect. Transmission Co. Ltd.,
DJ Block, Vidyut Bhavan, Salt Lake City
Kolkata: 700 091

प्रतिलिपि:

ED (CMG), CC Gurgaon

ED, ER-II, Kolkata

ED, ER-I, Patna

ED, Commercial, CC, Gurgaon

CGM (AM), Bhubaneswar/ ER-II, Kolkata/ ER-I, Patna /

CGM (Projects), ER-II, Kolkata/ ER-I, Patna

Sr.GM (Projects & Commercial), Bhubaneswar

CGM (F&A), ER-II, Kolkata/ Sr.GM(F&A)ER-I, Patna / DGM(F), Bhubaneswar

CGM (Commercial), ER-I, Patna

DGM, Baripada

प्रतिलिपि : विनम सूचना के लिए:

Director (Projects)

Director (Operation)

ORIGINAL

NOA Ref. No.: CC-CS/1087-ER1/TR-4256/3/G5/NOA-I/ER1-250005

Date: 15/11/2021

To,

M/s. Toshiba Transmission & Distribution Systems (India) Pvt. Ltd (TOSHIBA)

Rudraram Village, Patancheru Mandal,
Sangareddy District, Telangana - 502329

Kind Attention: Mr. Srikanth Iyengar, Vice President

Email: srikanth.iyengar@toshiba-ttdi.com

Subject: Notification of Award for Supply of Goods Contract for Spare Transformer package TR03 for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC";
Spec No: CC-CS/1087-ER1/TR-4256/3/G5.

Bidding: Domestic Competitive Bidding

Bidding Process: Single Stage Two Envelope Bidding through E-Procurement.

Project Funding: Domestic.

(SUPPLY OF GOODS CONTRACT)

Dear Sir,

1.0 REFERENCE

This has reference to the following:

- 1.1** Our Invitation for Bids (IFB) dated 07/07/2021.
- 1.2** Bidding documents for the subject package downloaded by you from e-procurement portal <https://pgcileps.buyjunction.in>, comprising the following:
- | | | |
|----|----------------------------|------------|
| a) | Conditions of Contract | Volume-I |
| b) | Technical Specifications | Volume-II |
| c) | Bid Form & Price Schedules | Volume-III |

- 1.2.1 Amendment No-I & Clarification No-I to the Bidding Documents issued through e-procurement portal <https://pgcileps.buyjunction.in> vide our Letter Ref. No. CC-CS/1087-ER1/TR-4256/3/G5/Amend-I & Clar I dated 09/08/2021.
- 1.2.2 Amendment No-II & Clarification No-II to the Bidding Documents issued through e-procurement portal <https://pgcileps.buyjunction.in> vide our Letter Ref. No. CC-CS/1087-ER1/TR-4256/3/G5/Amend-II & Clar II dated 10/08/2021.
- 1.3 First Envelope (Techno-Commercial) of your bid for subject package under Bid Proposal Reference No. TTDI/EPC/DOM/PGCIL/TRANSFORMER PACKAGE/TR-03/2021-22/TCP dated 12/08/2021, uploaded on portal <https://pgcileps.buyjunction.in> was opened electronically on 20/08/2021.
- 1.4 Intimation for opening of second Envelope issued to you through <https://pgcileps.buyjunction.in> on 18/10/2021.
- 1.5 Second Envelope of your bid for subject package under Bid Proposal Reference no. TTDI/EPC/DOM/PGCIL/TRANSFORMER PACKAGE/TR-03/2021-22/TCP dated 13/08/2021, uploaded on portal <https://pgcileps.buyjunction.in> was opened on 18/10/2021.
- 1.6 The Intimation for conducting e-Reverse Auction was issued to you by M/s mjunction on behalf of POWERGRID to participate in e-Reverse Auction scheduled on 27/10/2021.
- 1.6.1 Your participation in the e-Reverse Auction for the subject package which was held on 27/10/2021 on portal <https://pgcileps.buyjunction.in>
- 1.6.2 Your Confirmation of Price Breakup on Price Schedules after e-RA submitted vide your letter Ref. No. NIL dated 27/10/2021.

2.0 AWARD OF CONTRACT AND ITS SCOPE

- 2.1 We confirm having accepted your Bid (referred to at para 1.3, 1.5 & 1.6.2 above) read in conjunction with all the specifications, terms & conditions of the Bidding Documents (referred to at para 1.2, 1.2.1 and 1.2.2 above) and award on you the 'Supply of Goods Contract' (also referred to as the 'First Contract') covering inter-alia Supply of Goods of all equipment and materials including Type Testing to be conducted as per Technical Specifications, required for the complete execution of the **Spare Transformer package TR03** for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC; Spec No: CC-CS/1087-ER1/TR-4256/3/G5, as detailed in the documents referred hereinabove.



[Supply of Goods Contract for Spare Transformer package TR03 for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC"]

The scope of work covered under the subject contract shall include Design, Engineering, Manufacture, testing at manufacturer's works and supply of 500MVA, 400/220/33kV 3- phase Transformers & 160MVA, 220/132kV 3-phase Transformers, along with all fittings, accessories including individual marshaling box for each Auto-Transformer, foundation bolts (if any), cables as per Technical specification for the following:

- 1 x 500 MVA, 400/220/33kV Transformer at Pusauli ss
- 1 x 500 MVA, 400/220/33kV Transformer at Pandiabili ss
- 1 x 500 MVA, 400/220/33kV Transformer at Maithon ss
- 1 x 160 MVA, 220/132kV Transformer at Baripada ss
- 1 x 160 MVA, 220/132kV Transformer at Daltonganj ss

The above scope of work is indicative and the detailed scope of work is given in the Technical Specification (Volume-II) of the Bidding Documents.

The scope of work under this Notification of Award (NOA) shall also include all such items which are not specifically mentioned in the Bidding Documents and/or your bid but are necessary for successful completion of your scope under the Contract for the execution of **Spare Transformer package TR03** for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC"; Spec No: CC-CS/1087-ER1/TR-4256/3/G5, unless otherwise specifically excluded in the Bidding Documents or in this Notification of Award (NOA).

- 2.2 The notification for award of Contract for performance of all other activities, as set forth in the documents, viz. Inland Transportation, Delivery and unloading at site including insurance & storage, handling, erection, testing & Pre-commissioning and documentation of all equipment and material required for complete execution of contract for **Spare Transformer package TR03** for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC"; Spec No: CC-CS/1087-ER1/TR-4256/3/G5 has been issued on you vide our NOA Ref. No. CC-CS/1087-ER1/TR-4256/3/G5/NOA-II/ER1-250006 dated 15/11/2021 (hereinafter called the "Supply of Services Contract" or "Second Contract").



[Supply of Goods Contract for Spare Transformer package TR03 for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC"]

Notwithstanding the award of work under two separate Contracts in the aforesaid manner, you shall be overall responsible to ensure the execution of both the Contracts to achieve successful completion and taking over of the works under the package by the Employer as per the requirements stipulated in the Bidding Documents. It is expressly understood and agreed by you that any default or breach under the 'Second Contract' shall automatically be deemed as a default or breach of this 'First Contract' also and vice-versa, and any such default or breach or occurrence giving us a right to terminate the 'Second Contract', either in full or in part, and/or recover damages there under, shall give us an absolute right to terminate this Contract, at your risk, cost and responsibility, either in full or in part and/or recover damages under this 'First Contract' as well. However, such default or breach or occurrence in the 'Second Contract', shall not automatically relieve you of any of your obligations under this 'First Contract'. It is also expressly understood and agreed by you that the equipment/materials supplied by you under this 'First Contract', when erected, installed & commissioned by you under the 'Second Contract' shall give satisfactory performance in accordance with the provisions of the Contract.

3.0 CONTRACT PRICE

- 3.1 The total contract price for the entire scope of work under this Contract shall be **INR 57,85,51,783/- (Indian Rupees Fifty Seven Crore Eighty Five Lakh Fifty One Thousand Seven Hundred and Eighty Three Only)** as per the following break-up:

Sl. No.	Price Component	Amount
	Ex-Works Price component	INR 57,85,51,783/-
	Total for Supply of Goods Contract	INR 57,85,51,783/-

The above award price is exclusive of reimbursable GST, which shall be reimbursable / payable by POWERGRID in line with the provisions of Bidding Documents.

- 3.2 Notwithstanding the break-up of the Contract Price, the Contract shall, at all times, be construed as a single source responsibility Contract and any breach in any part of the Contract shall be treated as a breach of the entire Contract.
- 4.0 You are required to furnish at the earliest a Performance Security(ies), in line with the provisions of the Bidding Documents for an amount of **INR 1,73,56,554/- (Indian Rupees One Crore Seventy Three Lakh Fifty Six Thousand Five Hundred Fifty Four Only)** i.e. equal to 03% (Three percent) of the Ex-works Price of 400 kV Class /220 kV Class Transformers, and valid upto and including 31/08/2028 (18m+60m+90days) and any other securities as per the Bidding Documents.



- 5.0 For release of advance payment (admissible as per the Bidding Documents) for an amount of **INR 5,78,55,179/- (Indian Rupees Five Crore Seventy Eight Lakh Fifty Five Thousand One hundred Seventy Nine Only)** i.e. equal to 10% of the Ex-works price component, you are, inter-alia, required to furnish a Bank Guarantee for 110% (One Hundred Ten Percent) of the advance amount i.e. for an amount of **INR 6,36,40,697/- (Indian Rupees Six Crore Thirty Six Lakh Forty Thousand Six Hundred Ninety Seven Only)**. The validity of the Advance Bank Guarantee shall be up to and including **31/08/2023 (18m+90days)**. Further please note that furnishing of all the Contract Performance Securities under the 'First Contract' and 'Second Contract' shall be one of the conditions precedent to release of advance under this Contract.
- 6.0 All the bank guarantees shall be furnished from an eligible bank as described in the Bidding Documents.
- 7.0 The schedule for Taking Over/Completion of Facilities by the Employer upon successful completion of the **Spare Transformer package TR03** for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabali SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC"; Spec No: CC-CS/1087-ER1/TR-4256/3/G5 shall be **18(Eighteen months)** from the date of issue of this Notification of Award for all contractual purposes.
- 8.0 This Notification of Award constitutes formation of the Contract and comes into force with effect from the date of issuance of this Notification of Award.
- 9.0 You shall enter into a Contract Agreement with us within twenty-eight (28) days from the date of this Notification of Award.
- 10.0 This Notification of Award is being issued to you in duplicate. We request you to return its duplicate copy duly signed and stamped on each page as a token of your acknowledgement.

Please take the necessary action to commence the work and confirm action.

Yours faithfully,

For and on behalf of
POWER GRID CORPORATION OF INDIA LTD.

(Neeraj Kumar)
DGM (CS-G5)

नीराज कुमार / NEERAJ KUMAR
उप-प्रबंधक (सिद्धि सेवा) / Dy. General Manager (Contract Services)
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Ltd.
(भारत सरकार का उपक्रम / A Govt. of India Enterprise)
प्लॉट नं०-2, सेक्टर-29, गुरुग्राम-122 001 (हरियाणा)
Plot No.-2, Sector-29, Gurgaon-122 001 (Haryana)

ORIGINAL

NOA Ref. No.: CC-CS/1087-ER1/TR-4256/3/G5/NOA-II/ ER1-250006 Date: 15/11/2021

To,

M/s. Toshiba Transmission & Distribution Systems (India) Pvt. Ltd (TOSHIBA)

Rudraram Village, Patancheru Mandal,
Sangareddy District, Telangana - 502329

Kind Attention: Mr. Srikanth Iyengar, Vice President
Email: srikanth.iyengar@toshiba-ttdi.com

Subject: Notification of Award for Supply of Services Contract for Spare Transformer package TR03 for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC"; Spec No: CC-CS/1087-ER1/TR-4256/3/G5.

Bidding: Domestic Competitive Bidding

Bidding Process: Single Stage Two Envelope Bidding through E-Procurement.

Project Funding: Domestic.

(SUPPLY OF SERVICES CONTRACT)

Dear Sir,

REFERENCE

This has reference to the following:

- 1.1 Our Invitation for Bids (IFB) dated 07/07/2021.
- 1.2 Bidding documents for the subject package downloaded by you from e-procurement portal <https://pgcileps.buyjunction.in>, comprising the following:
 - a) Conditions of Contract Volume-I
 - b) Technical Specifications Volume-II
 - c) Bid Form & Price Schedules Volume-III



- 1.2.1 Amendment No-I & Clarification No-I to the Bidding Documents issued through e-procurement portal <https://pgcileps.buyjunction.in> vide our Letter Ref. No. CC-CS/1087-ER1/TR-4256/3/G5/Amend-I & Clar I dated 09/08/2021.
- 1.2.2 Amendment No-II & Clarification No-II to the Bidding Documents issued through e-procurement portal <https://pgcileps.buyjunction.in> vide our Letter Ref. No. CC-CS/1087-ER1/TR-4256/3/G5/Amend-II & Clar II dated 10/08/2021.
- 1.3 First Envelope (Techno-Commercial) of your bid for subject package under Bid Proposal Reference No. TTDI/EPC/DOM/PGCIL/TRANSFORMER PACKAGE/TR-03/2021-22/TCP dated 12/08/2021, uploaded on portal <https://pgcileps.buyjunction.in> was opened electronically on 20/08/2021.
- 1.4 Intimation for opening of second Envelope issued to you through <https://pgcileps.buyjunction.in> on 18/10/2021.
- 1.5 Second Envelope of your bid for subject package under Bid Proposal Reference no. TTDI/EPC/DOM/PGCIL/TRANSFORMER PACKAGE/TR-03/2021-22/TCP dated 13/08/2021, uploaded on portal <https://pgcileps.buyjunction.in> was opened on 18/10/2021.
- 1.6 The Intimation for conducting e-Reverse Auction was issued to you by M/s mjunction on behalf of POWERGRID to participate in e-Reverse Auction scheduled on 27/10/2021.
- 1.6.1 Your participation in the e-Reverse Auction for the subject package which was held on 27/10/2021 on portal <https://pgcileps.buyjunction.in>
- 1.6.2 Your Confirmation of Price Breakup on Price Schedules after e-RA submitted vide your letter Ref. No. NIL dated 27/10/2021.

2.0 AWARD OF CONTRACT AND ITS SCOPE

- 2.1 We confirm having accepted your Bid (referred to at para 1.3, 1.5 & 1.6.2 above) read in conjunction with all the specifications, terms & conditions of the Bidding Documents (referred to at para 1.2, 1.2.1 and 1.2.2 above) and award on you the 'Supply of Services Contract' (also referred to as the 'Second Contract') for performance of all other activities, as set forth in the documents, viz. Inland transportation, delivery and unloading at site including insurance & storage, handling, erection, testing and Pre-commissioning at site and documentation of all equipment and material inter alia includes Auto transformers along with all fittings, accessories including Marshalling box for each Auto Transformer as per Technical Specifications required for the complete execution of the contract for Spare Transformer package TR03 for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC; Spec No: CC-CS/1087-ER1/TR-4256/3/G5.



The scope of work under this Notification of Award (NOA) shall also include all such items which are not specifically mentioned in the Bidding Documents and/or your bid but are necessary for successful completion of your scope under the Contract for the execution of **Spare Transformer package TR03** for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC; Spec No: CC-CS/1087-ER1/TR-4256/3/G5, unless otherwise specifically excluded in the Bidding Documents or in this Notification of Award (NOA).

- 2.2 The Notification for Award of Contract for Ex-works Supply of all equipment and materials including Type Testing to be conducted as per Technical Specifications, as set forth in the bidding documents, viz. Design, Engineering, Manufacture, testing at manufacturer's works and supply of Auto transformers along with all fittings, accessories including individual Marshalling box for each Auto Transformer, cables and mandatory spares as per Technical specifications or the following:

- 1 x 500 MVA, 400/220/33kV Transformer at Pusauli ss
- 1 x 500 MVA, 400/220/33kV Transformer at Pandiabili ss
- 1 x 500 MVA, 400/220/33kV Transformer at Maithon ss
- 1 x 160 MVA, 220/132kV Transformer at Baripada ss
- 1 x 160 MVA, 220/132kV Transformer at Daltonganj ss

for **Spare Transformer package TR03** for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC; Spec No: CC-CS/1087-ER1/TR-4256/3/G5, has been issued on you vide our NOA no. CC-CS/1087-ER1/TR-4256/3/G5/NOA-I/ER1-250005 dated 15/11/2021 (hereinafter called the "Supply of Goods Contract" or "First Contract").

Notwithstanding the award of contract under two separate contracts in the aforesaid manner, you shall be overall responsible to ensure the execution of both the contracts to achieve successful completion and taking over of the works under the package by the Employer as per the requirements stipulated in the Bidding documents. It is expressly understood and agreed by you that any default or breach under the 'First Contract' shall automatically be deemed as a default or breach of this 'Second Contract' also and vice-versa, and any such default or breach or occurrence giving us a right to terminate the 'First Contract', either in full or in part, and/or recover damages there under, shall give us an absolute right to terminate this Contract, at your risk, cost and responsibility, either in full or in part and/or recover damages under this 'Second Contract' as well.



However, such default or breach or occurrence in the 'First Contract', shall not automatically relieve you of any of your obligations under this 'Second Contract'. It is also expressly understood and agreed by you that the equipment/materials supplied by you under the 'First Contract', when erected, installed & commissioned by you under this 'Second Contract' shall give satisfactory performance in accordance with the provisions of the Contract.

3.0 CONTRACT PRICE

- 3.1 The total Contract Price for the entire scope of work under this Contract shall be INR 3,60,89,212/- (Indian Rupees Three Crore Sixty Lakh Eighty Nine Thousand Two Hundred Twelve Only) as per the following breakup:

S. N.	Price Component	Amount (INR)
1	Local Transportation, In-transit Insurance, loading & Loading and unloading Charges (including GST, if any)	2,96,96,912
2	Installation Charges	63,92,300
	Total for Supply of Services Contract	3,60,89,212

The above award prices are exclusive of reimbursable GST (except for Local Transportation, In-transit insurance, loading and unloading), which shall be reimbursable/payable by POWERGRID in line with provisions of Bidding Documents. Further, prices for Local Transportation, In-transit insurance, loading and unloading (i.e. F&I Charges), are inclusive of GST, if applicable and in such case, the contractor shall raise GST invoice in such a manner that total liability to POWERGRID on account of F&I Charges including applicable GST (if any) thereon (mentioned in the Invoice) remain equal to F&I Charges as indicated above.

- 3.2 Notwithstanding the break-up of the Contract Price, the Contract shall, at all times, be construed as a single source responsibility Contract and any breach in any part of the Contract shall be treated as a breach of the entire Contract.
- 4.0 You are/is required to furnish at the earliest a Performance Security(ies), as per the Bidding Documents, for an amount of INR 10,82,677/- (Indian Rupees Ten Lakh Eighty Two Thousand Six Hundred Seventy Seven only) i.e. equal to 03% (Three percent) of the Contract Price, and valid upto and including 31/08/2024 (18m+12m+90days) and any other securities as per the Bidding Documents.
- 5.0 All the bank guarantees shall be furnished from an eligible bank as described in the Bidding Documents.
- 6.0 The schedule for Taking Over/Completion of Facilities by the Employer upon successful completion of the Spare Transformer package TR03 for Procurement of Transformers i.e. 1x500MVA, 400/220/33kV, 3-phase Transformer at Pusauli SS, 1x500MVA, 400/220/33kV, 3-phase Transformer at Pandiabili SS, 1x500MVA, 400/220/33kV, 3-





phase Transformer at Maithon SS, 1x160MVA, 220/132/33kV, 3-phase Transformer at Baripada SS and 1x160MVA, 220/132/33kV, 3-phase Transformer at Daltonganj SS under "Procurement of spare Transformers approved by ERPC"; Spec No: CC-CS/1087-ER1/TR-4256/3/G5 shall be 18 (Eighteen months) from the date of issue of this Notification of Award for all contractual purposes.

- 7.0 This Notification of Award constitutes formation of the Contract and comes into force with effect from the date of issuance of this Notification of Award.
- 8.0 You shall enter into a Contract Agreement with us within twenty-eight (28) days from the date of this Notification of Award.
- 9.0 This Notification of Award is being issued to you in duplicate. We request you to return its duplicate copy duly signed and stamped on each page as a token of your acknowledgement.

Please take the necessary action to commence the work and confirm action.

Yours faithfully,

For and on behalf of
POWER GRID CORPORATION OF INDIA LTD.

(Neeraj Kumar)

DGM (CS-G5)

नीरज कुमार / NEERAJ KUMAR
वर महाप्रबंधक (सीएस गेजेट) / Dy. General Manager (Contract Services)
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Ltd.
(शा.स. संपत्ति का कर्मा / A Govt. of India Enterprise)
प्लॉट नं०-2, सेक्टर-29, गुडगाँव-122 001 (हरियाणा)
Plot No.-2, Sector-29, Gurgaon-122 001 (Haryana)