

EASTERN REGIONAL POWER COMMITTEE

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AGENDA FOR 46th COMMERCIAL SUB-COMMITTEE MEETING OF ERPC SCHEDULED TO BE HELD ON 06.07.2022 (WEDNESDAY) AT 11:00 HRS THROUGH PHYSICAL AND ONLINE MS TEAMS PLATFORM

ITEM NO. A1: Confirmation of the minutes of the 45th Commercial Sub-Committee meeting held on 03.03.2022.

The minutes of the 45th Commercial Sub-Committee meeting were uploaded on ERPC website.

No request for amendment has been received by ERPC Secretariat.

Members may confirm the minutes of the 45th Commercial Sub-Committee Meeting.

PART B: ITEMS FOR DISCUSSION

ITEM NO. B.1: Safeguarding interests of non-surrendering beneficiaries during RSD (Reserve Shutdown)

With the onset of monsoon, nor-wester and heavy torrential downpour often visits Eastern Region. This leads to sudden fall in demand necessitating running units to go under RSD (Reserve Shutdown). However, such fall in demand are rarely of long duration. With revival of demand especially during peak hours such outage of generators often led to resource inadequacy issues affecting load generation balance & system frequency.

Recently on 23rd May 2022, it was observed that demand of various states in ER was on a much lower side due to the prevailing storm & rainy weather conditions. Therefore, FSTPP Unit 2 had been taken into reserve shutdown in Real Time at 12:22 Hrs. of 23.05.2022. West Bengal, Bihar, Gujarat & Jharkhand owns around 90% share in FSTPP I & II Plant and their requisition is mentioned in table below for date 23 May 2022.

1. Requisition of state before RSD are given below

State	Share allocation (%)	% Requisition from their entitlement before RSD
West Bengal	31.93%	55 % of their Ent.
Bihar	31.40%	57 % of their Ent.
Gujarat	15.95%	0 % of their Ent.
Jharkhand	8.50%	0 % of their Ent.

2. Requisition of state at 16:00 hrs of 24.05.2022 onward

State	Share allocation (%)	% Requisition from their on bar entitlement	% Requisition from their off bar entitlement
West Bengal	31.93%	100% of their On bar Ent.	100 % of their Off-bar Ent.
Bihar	31.40%	100% of their On bar Ent.	0 % of their Off-bar Ent.

Gujarat	15.95%	100% of their On bar Ent.	100 % of their Off-bar Ent.
Jharkhand	8.50%	100% of their On bar Ent.	0 % of their Off-bar Ent.

Based on the above details it is evident that due to full surrender of shares by some of the large states from ISGS, there may be situations where generator getting schedule well below technical minimum & unit(s) may go into RSD in Real Time. However, as demands picks up, the surrendering beneficiaries may seek full share from the remaining running units. This may affect the beneficiaries, who otherwise had maintained schedule at or above technical minimum during low demand period.

From the perspective of system reliability and generation adequacy, it may not be prudent to give full surrender of share of power by large shareholding states during lean or low demand period & resort to full requisition during peak periods. As such incidents affect the non-surrendering beneficiaries disproportionately and will also lead to outage of running units and put them under RSD. As in the above case, it was witnessed that Gujrat was taking above mentioned course of action, same may kindly be taken up with WRPC for future mitigation any such situations.

Further, West Bengal has expressed strong reservation on this and has requested to take up the matter with erring beneficiaries. In view of this, it is felt prudent that the matter may be taken up by ERPC through other RPCs.

It may be noted that beneficiaries of other regions are still not under purview of the URJA scheme (URS RESCHEDULING & JACKING-UP ASSISTANT). It is requested to extend URJA scheme to beneficiaries of other region, who have share allocation in ER ISGSS for providing technical minimum support at a discounted rate, while helping units to remain on bar.

ERLDC may explain. Members may discuss.

ITEM NO. B.2: Implementation of CERC (DSM & Related matters) Regulation'2022- Agenda by NHPC

CERC vide notification dated 14th March'2022 had issued Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2022. The regulation shall come into force on such date as may be notified by the Commission separately.

NHPC vide letter 03.06.2022 to Member Secretary, ERPC highlighted the implications of various provisions of DSM Regulation' 2022. **(Annexure B2)**

NHPC may explain. Members may discuss.

ITEM NO. B.3: Regarding LTA quantum of Odisha considered for calculation of PoC charges of Odisha for the month of March 2020.

As per the Validation Committee Meeting held on 19.12.2019, the quantum of LTA considered for Computation of PoC Rates of Odisha was 1223.69 MW, whereas in the RTA published by

ERPC for the month of Mar'20, the LTA quantum was considered as 1675.80 MW. This mismatch has resulted an increase in PoC charges of Odisha by an amount of Rs. 20 Crore approx. in the Month of Mar'20 compared to Jan'20 / Feb'20, which seems to be illogical and unreasonable.

Detail Analysis:

The PoC Slab Rates of all DICs, including Odisha, for the Quarter Q4 of 2019-20, was determined by NLDC, basing on the Sharing Regulations, 2010, and the same was approved vide order dated 04.02.2020 of CERC. The PoC Slab Rate of Odisha, as per the said order, was 4,49,682 in Rs. /MW/Month for the period 2019-20 (Q4) i.e., for the months Jan'20 to Mar'20. It may be noted that while computing the Slab Rates, the LTA of Odisha was considered as **1223.69 MW**, Generation of Darlipali STPS was not considered, as it was not commissioned at the time of VCM held during Dec'19, which has been clearly mentioned at para 6.2 (iv) (e) of the MoM. Accordingly, the Billing of PoC Charges of Odisha was **Rs. 55.52 Crore** each for the months of Jan'20 and Feb '20, as per RTA published by ERPC.

However, consequent upon CoD of 800MW Unit #1 of Darlipali Generating Station of NTPC on 01.03.2020, the LTA of Odisha was increased from 1234.65 MW to 1675.80 MW, due to addition of 441.15 MW of LTA on account of Darlipali CGS. As a result, the PoC Charges of Odisha (product of LTA and PoC Rate) got increased to **75.36 Crore**, as per the RTA published by ERPC.

It is requested to consider LTA as per validation Committee Meeting and **drawal as per actual**. Matter already intimated to PGCIL / NLDC / ERPC / CERC vide this Office letter dated 20.04.2020 followed by reminders on 29.05.2020 and 29.10.2020.

GRIDCO may explain. NLDC may respond.

<p>ITEM NO. B.4: Regarding action taken against resolution passed for Item No. B.28 in the 43rd TCC Meeting of ERPC held on 23.03.2021.</p>
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This is regarding double Billing of ISTS Charges for the month of Nov'20. The issue was discussed in detail in Agenda Item No B.28 of the 43rd TCC Meeting referred above.

It is learnt from Letter No. ERPC/Comm-I/2021-22/69 dated 08.04.2022 that, in the 3rd interaction meeting of Hon'ble Commission with Chairpersons and Member Secretaries of RPCs held on 17.11.2021, "Hon'ble Commission has directed its staff to take up the issue with CTU and resolve the same in accordance with the removal of difficulty order".

In line with the above observations, GRIDCO has communicated with CTUIL on the above matter vide letter dated 16.03.2022 and 05.05.2022 requesting PGCIL/CTUIL to provide updated status / action, but no response has yet been received from CTUIL.

It may be noted that there is possibility of over recovery of transmission elements due to double Billing during Nov'20 which may lead to huge financial loss to all utilities in India.

CTUIL may update.

ITEM NO. B.5: Issue regarding Letter of Credit furnished by PTC - JITPL

JITPL vide letter No. JITPL/ERPC/2022-23/92 dated 10.06.2022 submitted that JITPL had entered into a Pilot Scheme I Agreement for procurement of power (PAPP) with PTC for dated 26.10.2018 for supply of 125 MW Power to DISCOMs of Bihar under Medium Term (MTOA) for 3 years wherein the issue is regarding the Letter of Credit (LC) furnished by PTC is not in accordance with the format furnished in the PAPP.

JITPL had raised this issue and done several time remainders to PTC but still there is no reply and action has been taken on the aforesaid matter. JITPL is going to cut the power supply to PTC without any liability and penalty.

JITPL may explain. PTC may respond.

ITEM NO. B.6: Shifting of SEMs from LV to HV side of Tertiary Transformer at PGCIL Substations in ER.

Auxiliary consumption of PGCIL is met through tertiary winding (as alternate supply for reliability). In 35th CCM, it was decided that the drawal of auxiliary power from tertiary winding by Powergrid substations would be treated as state drawl for inter-regional accounting. Powergrid and the states would make back-to-back commercial arrangements for this power. As per the discussion in 138th OCC at ERPC, drawl through PGCIL Tertiary has been accounted in respective state drawl wef 23.10.17. In Eastern Region there are total 52 nos of meters which are installed at PGCIL Tertiary Transformers, out of those, 37 SEMs are installed at HV side of Tertiary Transformer and remaining 15 meters are installed at LV side (i.e 415 or 400 V side). These LV side meters needs to be shifted to HV side of Tertiary transformers. The details are as below:

S. No	METER NO.	CTR	PTR	PLACE OF INSTALLATION	Remarks
1	ER-1452-A	1200	3.6363636	400 V SIDE OF 800 KVA AUX TRSF (TERT OF BARIPADA)	
2	NP-7462-A	1000	3.7727272	415 V SIDE OF 33/0.415 PANDIABILI TERTIARY.	
3	ER-1019-A	1000	3.7727272	415 V SIDE OF 33/0.415 SUNDERGARH(PG) TERT TRF(PG)	
4	NP-7951-A	1000	3.7727272	415 V SIDE OF 33/0.415 BOLANGIR(PG) TERT TRF(PG)	
5	ER-1020-A	200	3.7727272	415 V SIDE OF 33/0.415 RENGALI(PG) TERT TRF(PG)	
6	ER-1899-A	1000	3.9363636	433 V SIDE OF 33/0.433 JEYPORE(PG) TERTIARY TRF(PG)-1	
7	NP-7921-A	1000	3.7727272	415 V SIDE OF 33/0.415 KEONJHAR(PG) TERTIARY TRF(PG)	Odhisa (7)
8	ER-	100	3.7727272	415 V SIDE OF 33/0.415 SUBHASGRAM(PG)	West

	1105-A	0	2	TERT(PG) ICT-1	Bengal (5)
9	ER-1081-A	100 0	3.772727 2	415 V SIDE of MALDA(PG) TERTIARY-1(500MVA ICT#3)	
10	NP-6024-B	200	3.772727 2	415 V SIDE OF 33/0.415 DURGAPUR(PG) TERT TRF(PG)	
11	ER-1670-A	100 0	3.772727 2	415 V SIDE OF 33/0.415 MAITHON(PG) TERT TRF(PG)	
12	NP-5880-A	100 0	3	440 V SIDE BINAGURI(PG) TERTIARY TRANSFORMER	
13	ER-1265-A	100 0	3.772727 2	415 V SIDE OF 33/0.415 BIHARSHARIFF(PG) TERT TRF(PG)	Bihar (3)
14	NP-6016-B	20	3.772727 2	415 V SIDE OF 11/0.415 PUSAULI(PG) 63 KVA(ST LIGHT) T/F -1	
15	NP-5231-A	100 0	3.772727 2	415 V SIDE OF 33/0.415 MUZAFFARPUR(PG) TERT TRF(PG)	

In 45th CCM, it was advised that Powergrid to explore the possibility of shifting the meters from LV to HV side of tertiary transformers at the proposed 15 nos. of locations. In case, shifting at a location is not possible due to space constraint, the respective State (where the Substation is located) shall furnish the relevant extract of relevant SERC regulations to ERLDC/ERPC for accounting of transformer losses while computation of their drawal.

Powergrid may update.

ITEM NO. B.7: LAN integration of DCU's installed at various S/s at ER for SEM data transmission to ERLDC – Cost Proposal.

In continuation with agenda B14 of 190th OCC meeting regarding cost approval for further LAN integration of various DCU's installed across various SS of Eastern Region, followings may be noted: -

1. As per original LOA- 40 Locations integrated.
2. As per amendment of LOA- 69 Locations integrated.

TCS has successfully completed all the 109 LAN integration work under scope vide LOA (Ref: ER-II/KOL/CS/I-2446/P-2420/AMEND-II/4374) dated- 05/07/2021. Now, the following 63 locations where LAN setup is present and AMR LAN integration is possible using that channel. Among these 41 locations can be integrated as regular connection through Normal CAT-6 cabling and TCS has agreed to carry out the work on prevailing rate of existing LOA and further 22 locations require additional financial implication in regard to converter and Optical cables. Further 08 locations are yet to provide any information about connectivity but included in totality. Total location count comes to 71. Location details attached separately.

Total Cost Calculation as below, based on TCS's proposal submitted.

Item	Type	Qty	Unit Price	Total Price (INR)
LAN Integration Service at Sub Station**	Services	71	15564	11,05,044.00
Additional Charges for LAN Integration at Kiosk Sites	Services	22	17830	3,92,260.00
Fiber Optical Cable with Converters and other accessories.	HW Supply	18000	94.50	17,01,000.00

Total Price: 31,98,304/- INR (without GST).

** Unit price for LAN Integration Service is same as per the existing LOA of AMR Phase-4.

In view of above, it is proposed to provide in-principal approval to POWERGRID such that LOA can be issued for LAN integration to TCS on Single Tender (ST) basis on urgent basis.

The location details and Techno Commercial proposal are provided at **Annexure B7**.

In the 191st OCC Meeting, Powergrid representative submitted that few locations in Jharkhand and Sikkim do not have fiber connectivity.

Sikkim representative submitted that fiber connectivity is available at Sagbari.

Jharkhand representative submitted that OPGW installation work is in progress in Chandil and Daltonganj S/s.

GMR representative agreed to provide the port opening details within 5 days.

West Bengal representative submitted that a separate meeting may be convened between the communication departments of WBSETCL, Powergrid, ERLDC and ERPC for further deliberation in this regard.

OCC advised all the states to provide the port opening details to Powergrid at the earliest.

OCC further advised Powergrid to give the status update of LAN integration to ERPC on weekly basis.

OCC gave in-principle approval for the cost proposal of Rs. 31,98,304/- INR (without GST) and referred it to the next Commercial Committee Meeting.

Powergrid may update. Members may discuss.

ITEM NO. B.8: Amendment of 4th Phase AMR of Eastern Region – Powergrid.

The existing scope of 4th Phase AMR project scope is completed and since then many new locations have been came up and presently data taken from those locations/SEM manually. As per condition of contract, there is a scope for deviation and maximum 54 No's new SEM can be integrated afresh.

Rate & other Terms/Conditions shall be remained same and confirmation received from M/S. TCS. Final amendment value comes to **Rs. 2, 08, 00,706/- (Rs. Two crore eight lacs seven hundred six only) against initial LOA of Rs. 1,60,00,559/- (Rs. One crore sixty lacs five hundred fifty-nine only).**

By this amendment fresh 54 SEM can be integrated in 4th phase AMR, including AMC and this will be final amendment as no quantity remains in the LOA.

In 192nd OCC meeting, Powergrid representative submitted that as per the provisions laid in the contract, 54 nos. of additional SEM's could be integrated in the 4th Phase AMR as per the existing terms and conditions of LOA.

OCC referred to the upcoming Commercial Sub Committee meeting of ERPC.

Powergrid may update.

ITEM NO. B.9: Status of Non-communication of meters in AMR:

Presently **163 Locations with 1228 meters are connected through AMR** system in ER. ERLDC is receiving data from **150 locations** out of total 163 locations through AMR. The status of data receipt from the locations as on 26.06.2022 is as below:

Status Report of PGCIL AMR AMC (Phase I , II & III)	
Summary	
Total Substation	163
Communicating Sub Station	150
Non-communicating Sub Station	13
Total Meter	1228
Communicating meter	1181
Non-communicating Meter	47

There have been issues with the GPRS communication/DCU/Meter replacement for around **13 locations having 47 meters** as mentioned above. The details of Non communicating substations along with probable reasons are attached in **Annexure-B9**.

In 45th CCM, POWERGRID representative opined that Non-communicating meters can be divided into two categories, New Issues (For recently replaced SEMs) & Old issues (For GPRS or other reasons). At present 08 sub-stations having 35 meters are non-communicating due to

old issues and only 05 Sub-stations having 11 meters are non-communicating due new issues. After detailed discussion, the Commercial Sub-Committee requested POWERGRID to resolve the Old issues (For GPRS or other reasons) of non-communicating meters on priority basis.

POWERGRID may further update the latest status of implementation.

ITEM NO. B.10: Replacement of GPRS communication with Optical Fiber for AMR

In ER, approximately 80% meters are connected in Automated Meter Reading (AMR). At present the communication system mainly used for data transfer from each location is GPRS. It has been observed that many locations are not communicating with AMR system due to poor/no GPRS signal. Many substations have their own optical fiber which is also used for the LAN network of respective stations.

In 44th TCC, Sikkim submitted that three nos. of locations in Sikkim had been finalized for implementation of optical fiber-based connectivity with AMR. The locations are Melli, Gangtok & Sagbari. Powergrid representative informed that 12 locations at DVC, 2 locations at NHPC/NTPC have already been completed. They further submitted that the work of 11 locations in Jharkhand & Bihar will be completed by next week and the work at remaining locations would be completed by Dec'2021. TCC advised Powergrid to furnish the updated location details to ERPC secretariat at the earliest. The details of the same is attached in **Annexure-B10**.

In 45th CCM, The Commercial Sub-Committee requested all state utilities and IPPs to coordinate with POWERGRID for LAN connectivity/PORT opening in case of fiber connectivity for AMR.

Powergrid may please further update the latest status.

ITEM NO. B.11: Settlement Nodal Agency for Cross Border Transactions:

NVVN has been nominated as Settlement Nodal Agency (SNA) vide MoP order dated 26th Nov, 2019 as per the clause 8.8 of the Guidelines for Import/Export (Cross Border) of Electricity 2018.

In 42nd CCM ERPC, Commercial Sub-Committee advised NVVN to enter into necessary agreement with TPTCL to take over all the responsibilities of nodal agency from TPTCL for Dagachhu HEP transactions. NVVN was also advised to complete the necessary registration process with ERLDC (POSOCO). After this, all matters pertaining to scheduling, payment & settlement shall be taken care of by NVVN.

In 44th TCC/ERPC, NVVN representative submitted that DGPC is in the process of taking the approval of Royal Government of Bhutan for SNA agreement.

In 45th CCM, NVVN representative submitted that DGPC is in the process of taking the approval of Royal Government of Bhutan for SNA agreement.

NVVN may update the latest status.

ITEM NO. B.12: SCHEDULING OF CHUZACHEN HEP AND TASHIDING HEP

Scheduling of Chuzachen HEP and Tashiding HEP is carried out by ERLDC, as per Indian Electricity Grid Code Clause 6.4.3. The clause 6.4.3 states

Quote...

“There may be exceptions with respect to above provisions, for reasons of operational expediency, subject to approval of CERC. Irrespective of the control area the jurisdiction, if a generating station is connected both to the ISTS and the STU, the load dispatch centre of the control area under whose jurisdiction the generating station falls, shall take into account grid security implication in the control area of the other load dispatch centre. ”

...Unquote

Presently for net injection of Chuzachen, Gangtok (PG) and Rangpo (PG) end meters are used and for Tashiding net injection, New Melli(PG) and Rangpo(PG) end meters are being used.

In 135th OCC it was decided that related issues of control area jurisdiction, scheduling, etc may be discussed in a separate meeting. A meeting was also held in this regard with ERPC and ERLDC on 04.09.2017.

In 45th CCM Meeting, Tashiding representative submitted that no hearing has taken place in the petition filed by them before CERC. ERLDC representative informed that Sikkim SLDC has given NoC for scheduling of Chuzachen by ERLDC up to 31st March 2022. From FY 2022-23, Sikkim SLDC will do the scheduling of Chuzachen HEP.

Further, Sikkim has intimated vide NOC letter no 02/GEN/SLDC/2015-16/466 dated 23.05.2022 that scheduling may be done by ERLDC and the power be evacuated further to the Interstate Transmission System till the time SAMAST Framework is set up at SLDC, Sikkim. The letter is attached as **Annexure-B12**.

Tashiding & Chuzachen may update the latest Status.

ITEM NO. B.13: Replacement of Non-functioning/Defective Meter

i) Erroneous reading ER-I-PG:

- a. Following erroneous readings were observed since February,2022 at various locations of BSPTCL:
1. Reverse polarity issue in meter no ER-1225-A in 220 KV LAUKAHI(BSPHCL)-DARBHANGA(DMTCL) LINE-2 at BSPTCL end.
 2. Reverse polarity issue in meter no ER-1315-A in 220 KV FATUA (BSPHCL) - PATNA(PG) at BSPTCL end.
 3. Reverse polarity issue in meter no ER-1224-A in 220 KV DARBHANGA(BSPTCL)-DARBHANGA(DMTCL)LINE-2 at BSPTCL end.
 4. Reverse polarity issue in meter no NP-8748-A in 132 KV BANKA(BSPHCL)-BANKA(PG)-2.

5. Less reading was observed in meter no NP-6052-A in 132 KV ARAH (BSPHCL) - ARAH (PG) as compared to the standby meter at ARAH(PG) end. Kindly confirm the CTR and PTR for this circuit.
6. Less reading observed in meter no NP-6067-A in 132 KV DUMRAON (BSPHCL) - ARAH (PG) as compared to the stand-by meter at ARAH(PG) end. Kindly confirm the CTR and PTR for this circuit.
7. Less reading observed in meter no ER-1958-A in 220 KV KHAGAUL(BSPHCL)-PATNA(PG)-1 and meter no ER-1961-A in 220 KV KHAGAUL(BSPHCL)-PATNA(PG)-2 as compared to the stand-by meters at PATNA(PG) end. Kindly confirm the CTR and PTR for this circuit.

iii) Defective Meter

- a. As per the discussion held in last CCM, PGCIL provided two no. of new SEM to replace the faulty meter at Melli (for 66kv Melli-Kalimpomg) and Ravangla (for 66kv Ravangla-Rangit) which is currently kept at GANGTOK(PG). Although ERLDC has communicated the same several times to Sikkim through mail (dated 11.03.2022, 21.04.2022 & 20.05.2022) and over the telephone.

Sikkim may update the status

ITEM NO. B.14: Replacement of meter due to time drift
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Few L&T make main meters installed at different locations of utilities are heavily time drifted and affect the accounting process. It is very difficult to correct the time drift of L&T makes meters due to lack of support service from L&T side and a time taking job to correct the meter fully. In view of the above, it is proposed to replace at all drifted L&T make meters with Genus makes meter as enclosed in **Annexure-B14**. PGCIL are requested to provide the present status of the meter stock.

ERLDC has provided a list of 43 SEMs to be replaced as per Annexure-X, with Genus meters.

Constituents/Powergrid may update the latest status.

ITEM NO. B.15: Non-Receipt/Late Receipt of SEM data from Various Locations

As per IEGC (effective from 3.5.2010) Sub-clause-22 of Clause-6.4 (demarcation of responsibilities), all concerned utilities in whose premise's SEMs are installed shall take weekly meter readings and transmit the same to RLDC by Tuesday noon for timely issuance of Deviation account Bill. Significant improvement in timely receipt of SEM data has been seen after AMR implementation at various locations and most of the meter data is being received by Tuesday. In 45th CCM, all were requested to adhere to the schedule as per IEGC.

i) Late receipt of SEM data: ERLDC is receiving the weekly SEM data by Tuesday noon from maximum locations. However, data is received on Wednesday or later from GRIDCO (New Dubri, Meramundali); WBSETCL (Alipurduar, Bantala, Newtown), PG (Angul, Kishanganj, Biharshariff)

ii) Non-receipt: The below are already discussed in previous CCM but no action has been taken.

Sikkim: Ravangla (L&T make)

Gridco: 220 KV TTPS (GRIDCO)-TALCHER (NTPC) (NP-0553-A) (mail dated 09.06.2022, 28.04.2022). ERLDC has requested to NTPC and Gridco to replace the meter with Genus make, but no such steps have been taken.

- iii) Due to absence of SEM data it is difficult to validate the energy meter data. The same issue has also been discussed in various CCM.
 - a. Sagbari end meter data is not being received for 132 KV RANGIT (NHPC) - SAGBARI (SIKKIM) line, which is causing difficulty in pair-checking.
 - b. There is no meter installed at WB end of 132 KV KOLAGHAT(DVC) - KOLAGHAT (WBSETCL).
 - c. There is no meter installed at Jharkhand end of 132 KV CHANDIL (JSEB) - MANIQUE (DVC). (Mail dated 05.04.22, 21.04.22, 09.06.22)

WBSETCL, GRIDCO, Jharkhand, POWER-GRID & Sikkim may update the status.

ITEM NO. B.16: Payment of Deviation Charge – Present Status.

A. Payment of Deviation Charge – Present Status

Deviation Pool Account Fund of ER is being maintained & operated by ERLDC, in accordance with the CERC Regulations. As per Regulations 10 (1) of “Deviation Settlement Mechanism and related matters” the payment of charges for Deviation shall have a high priority and the concerned constituents shall pay the indicated amounts within 10 days of issue of statement of Charges for Deviation including Additional Charges for Deviation by the Secretariat of the respective Regional Power Committee in to the “Regional Deviation Pool Account Fund” of the concern region.

The status of Deviation Charge payment as on 27.06.2022 is enclosed at **Annexure–B16.1**. The current principal outstanding Deviation Charge of BSPHCL, JUVNL and SIKKIM is ₹ 40.79 Cr, ₹ 119.97 Cr, & ₹ 19.49 Cr respectively considering bill up to 05.06.2022. ERLDC is regularly giving reminders to BSPHCL, JUVNL & SIKKIM and others defaulting entity to liquidate the outstanding Deviation charges.

In 45th TCC/ERPC held in Mar’2022, Bihar informed that SBPDCL & NBPDCCL have made the payment of 50 Cr after 14.02.2022 and the balance amount will be liquidated by Mar-2022. Jharkhand informed that they will make payment of 15 Cr by Mar-2022. Sikkim informed that the outstanding amount will be cleared by Mar-2022. The Commercial Committee advised all the constituents of Eastern Region to clear their payments in time.

However, after the 45th CCM Bihar, Jharkhand and Sikkim have paid Rs. 41 Cr, 34.64 Cr and 7 Cr. respectively (until 27.06.2022).

BSPHCL, JUVNL, & SIKKIM may confirm the program for payment of outstanding dues

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

Due to delayed payment of deviation charges in DSM Pool interest was computed for all the DSM Pool Members. The statement of interest amount as on 28.06.21 is enclosed in **Annexure-B16.2**.

45th CCM advised all the constituents to liquidate the payment at the earliest.

GMR is yet to clear outstanding Interest.

C. Reactive Energy Charges – Present Status.

The status of Reactive Energy Charges in the pool as on 28.06.2022 considering bill up to 05.06.2022 is indicated in **Annexure – B16.3**. The total outstanding receivable on account of Reactive charges from Bihar, JUVNL & Sikkim is ₹ 3.32 Cr, ₹ 4.39 Cr & 0.48 Cr respectively. WBSETCL and GRIDCO are regularly paying the reactive charges.

In 45th TCC/ERPC held in Mar'2022 Bihar informed that the outstanding amount will be cleared within 7 days. Sikkim informed that the interest amount will be cleared by Mar-2022. The Commercial Committee advised all the constituents of Eastern Region to clear their payments in time.

Bihar, JUVNL & Sikkim may confirm the program for payment of outstanding dues.

ITEM NO. B.17: Reconciliation of Pool accounts

i. Deviation Account

At the end of 4th quarter of 2021-22, the reconciliation statement (Period: 01.01.22 to 31.03.22) has been issued by ERLDC on 18.04.22 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website at <https://erldc.in/market-operation/dsmreconciliation/> 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-B17.1**.

ERLDC has received the reconciliation statement for FY 21-22 from Gridco, NTPC, NHPC, MPL, JLHEP, Tashiding HEP, NPGC and PTC Bhutan. Other utilities have not reconciled the Deviation statement and it is pending for more than one quarter.

All above constituents are requested to update the status of reconciliation.

iii. Reactive Account

At the end of 4th quarter of 2021-22, the reconciliation statement (Period: 01.01.22 to 31.03.22) has been issued by ERLDC on 18.04.22 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website at link <https://erldc.in/market-operation/reactivereconciliation/>. Constituents were requested to verify /check the same & comments if any to be reported to ERLDC. The status of reconciliation is enclosed in **Annexure-B17.2**.

Bihar, JUVNL, West Bengal & SIKKIM have not reconciled the reactive account for one or more quarters.

All above constituents are requested to update the status of reconciliation.

iv. RRAS & AGC Account

At the end of 4th quarter of 2021-22, the reconciliation statement (Period: 01.01.22 to 31.03.22) has been issued by ERLDC on 18.04.22 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website at link <https://erldc.in/market-operation/rrasreconciliation/>.

NTPC, BRBCL and KBUNL have not reconciled the RRAS account for FY 21-22 Q4. KBUNL has not reconciled the for FY 21-22 for all 4 Qtrs. The status of reconciliation is enclosed in **Annexure-B17.2**.

All above constituents are requested to update the status of reconciliation.

v. Short Term Open Access

a. For STOA payments made to SLDC / STU:

The reconciliation statements of STOA payments of Q4 for FY 21-22 for dated 28.04.2022 have been sent to the DVC, OPTCL, BSPTCL, Jharkhand and WBSETCL. WBSLDC has confirmed up to Q-2 of 2021-22. BIHAR SLDC & STU have confirmed for the entire period except Q-1 of 2021-22. ODISHA SLDC has confirmed for the entire period except Q-1 of 2021-22. DVC, OPTCL, BSPTCL, Jharkhand and WBSETCL have not reconciled Q4 of FY 21-22.

b. For payments made to STOA applicants:

The reconciliation statements of STOA payments for the period of Q4 for FY 21-22 have been sent to the JBVNL, GRIDCO and WBSEDCL dated 27.04.2022.

NHPC is yet to confirm for Q4 of 2018-19. BSPHCL is yet to confirm for Q-1 & Q-2 of 2020-21. JBVNL is yet to confirm for the period from Q-2 of 2020-21. WBSEDCL is yet to confirm for the period from Q-4 of 2020-21, Q-1, Q-2 of 2021-22. Gridco has not reconciled the Q4 for FY 21-22.

As per clause 15.1 of CERC approved STOA bilateral procedure, since the confirmations have not been received within 2 weeks from the date of issuance of the letters, the statement issued by ERLDC have been deemed to be reconciled.

The details are attached in the **Annexure-B17.3**.

Since there is a serious audit objection on non-signing of DSM, Congestion and STOA reconciliation statement it is once again requested that all regional pool members may check and sign the statement sent by ERLDC.

Members may take necessary action for signing the statements at the earliest.

ITEM NO. B.18: Opening of LC by ER constituents for DSM payments

Clause 10 (4) of CERC Deviation Settlement Mechanism and related matters Regulations, 2014 vide notification No. L-1/132/2013/CERC dated 6th January, 2014 to be implemented from 17.02.2014 is reproduced below:

Quote....

All regional entities which had at any time during the previous financial year failed to make payment of Charges for Deviation including Additional Deviation Charges for Deviation within the time specified in this regulations shall be required to open a Letter of Credit (LC) equal to 110% of its average payable weekly liability for Deviations in the previous financial year, in favour of the concerned RLDC within a fortnight from the date these Regulations come into force.....

.....Provided further that LC amount shall be increased to 110% of the payable weekly liability in any week during the year, if it exceeds the previous LC amount by more than 50%.

....Unquote

The details of LC amount required to be opened in 2021-22 by ER constituents is given in **Annexure – B18**. Letters to this effect was issued by ERLDC to the defaulting entities.

In 43rd TCC, GRIDCO had informed that they would open the LC in due course. BSPHCL was also informed by ERLDC to open LC in favour of DSM Pool A/C in SBI instead of Axis Bank. However, LC is not opened till now. Further 44th Commercial Sub-Committee advised all the constituents to open the required LC in time. 45th TCC advised all the concerned constituents to open requisite LC at the earliest. ERLDC has also intimated the issue to all the defaulting entities vide letter dated 11.04.2022.

At present there is no valid LC i.r.o WEST BENGAL, SIKKIM, NTPC, MPL, APNRL, Gati HEP, GMR, JITPL, JLHEP, Dikchu, Tashiding, NPGC, Rongichu and PTC.

Opening of LC is the regulatory requirement as per provision of CERC DSM regulations for defaulting members. Defaulting members may please intimate the latest status of opening of LC.

ITEM NO. B.19: Agenda by Powergrid/CTUIL

a) Non-Opening of requisite amount of LC:

- (i) Following constituents are required to enhance/ extend LC towards Payment Security Mechanism, as per CERC Regulations:

SL No.	Name of DIC's	Present value of LC	Value of LC required (Cr)
1	North Bihar Power Distribution Company Limited (NBPDC)	9.73	67.63
2	South Bihar Power	15.27	79.39

	Distribution Company Limited (SBPDCL)		
3	Jharkhand Vidyut Vitran Company Limited (JBVNL)	11.52	27.42
4	East Central Railway (ECR)	-	42.49
5	Sikkim	-	4.05
6	Nabinagar Power Generating Company Limited (NPGCL)	-	4.48
7	SHIGA Energy Limited	-	5.51

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

This is for information to members.

b) MOP Guideline vide letter no. 40/1/2021-R&R dated 18th March, 2021 (enclosed as Annexure-I) on payment security mechanism for payment of dues by Discoms to Gencos and Transcos.

c) BCD Procedure as per Clause 3 of Regulation 23 of CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020.

- Regarding Standard Terms & Conditions of Letter of Credit as per Annexure-8 of 8.2 of Para 8.0 of BCD Procedure established by DIC towards Payment Security Mechanism.
- Regarding furnishing the TDS certificates as per 5.5 of Para 5.0 of BCD Procedure & TDS Certificates in the name of POWERGRID (to the extent of POWERGRID Share) and balance in the name of ISTS Licensees/CTUIL as the ratio communicated to the corresponding month.

d) Payment of outstanding dues more than 45 days.

SL No.	Name of DIC's	Total Outstanding dues	Outstanding dues more than 45 days
1	Ind Bharath Energy (Utkal) Limited	220.54	220.54
2	West Bengal State Electricity Distribution Company Limited (WBSEDCL)	211.26	1.20
3	Teesta Valley Power Transmission Limited (TPTL)	5.75	5.75
4	Teesta Urja Limited (TUL)	8.55	8.55
5	Power Dept. Govt. of Sikkim	27.68	20.53
6	Jharkhand Bijli Vitran Nigam	101.40	29.73

	Limited (JBVNL)		
7	North Bihar Power Distribution Company Limited (NBPDCCL)	207.81	41.22
8	Jharkhand Urja Sancharan Nigam Limited (JUSNL)	23.36	21.42
9	Odisha Power Generation Company Limited (OPGCL)	10.67	10.67
10	Odisha Power Transmission Company Limited (OPTCL)	55.24	55.24
	TOTAL	985.25	697.20

Remarks of above:

(i) Ind-Barath Energy (Utkal) Limited: - Matter in NCLT.

(ii) The outstanding still pertaining to WBSEDCL (Bill # 4 @ Rs. 1.20 Cr). WBSEDCL has not admitted Rs. 1.20 Cr towards Bill # 4 long pending outstanding.

This is for information to members.

e) Non – Payment of RTDA bills.

The following DIC's have not paying RTDA bills:

SL NO.	Name of DIC's	Outstanding Dues	Remarks
1	West Bengal State Electricity Distribution Company Ltd. (WBSEDCL)	1.20 Cr.	Payment of Rs. 1.79 Cr. has been made by WBSEDCL against RTDA bills. However, The outstanding dues of Rs. 1.20 Cr. against RTDA bills is still pending to WBSEDCL despite of several follow up regarding this.

PART C: ITEMS FOR INFORMATION

ITEM NO. C.1: New regulations/Orders of MoP/CEA/CERC

1. Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2022

CERC vide notification dated 07.06.2022 had circulated Draft Central electricity Regulatory Commission (Indian Electricity Grid Code) Regulation'2022 and requested to furnish the comments/ suggestions/objections from the stakeholders and interested persons on the above Draft Regulations on or before 31st August'2022. All the member constituents are requested to go through the draft regulation and furnish the comments/suggestions.

2. Central Electricity Regulatory Commission (Connectivity and General Network Access to the Inter State Transmission System) Regulations, 2022

CERC vide notification dated 07.06.2022 had issued Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022.

Members may note.

ITEM NO. C.2: Go-live of National Open Access Registry (NOAR) w.e.f. 01.05.2022

National Open Access Registry (NOAR) is a centralized online platform through which the short-term open access to the inter-state transmission system is being managed in India. It is an integrated platform accessible to all stakeholders in the power sector, including open access customers (both sellers and buyers), power traders, power exchanges, National/Regional/State LDCs and others. The platform provides automation in the workflow to achieve a shorter turnaround time for the transactions. The detailed Procedure for Scheduling under STOA is available at <https://noar.in/procedures>. All the standing clearance are being provided through this application only.

Members may note.

ITEM NO. C.3: Submission of Renewable Purchase Obligation (RPO) data & Nomination regarding

Ministry of Power (MoP), Govt. of India vide order dated 29.01.2021, notified RPO Trajectory till FY 2021-22, which includes long term trajectory for Hydro Power Obligation (HPO) also. In addition, Para No. (17) of MoP Order dated 29.01.2021, stipulates POSOCO to maintain data related to compliance of RPOs. The matter of monitoring of RPO compliance has taken a high priority and regularly monitored by the MoP and MNRE.

In 44th CCM, ERLDC informed that as per the Ministry of Power (MoP), Govt. of India order dated 29.01.2021, POSOCO has been entrusted with the responsibility to maintain data

related to RPO and HPO compliance. In this regard they have already pursued the matter with the state utilities a month ago. Therefore, to facilitate the compilation of data, the constituents were requested to nominate a nodal person and provide the details timely as per the prescribed format (**Annexure-C3**).

States may update the status of the nomination of Nodal persons and submission of relevant data as per prescribed format.

Members may note.

ITEM NO. C.4: List of Assets commissioned during January'22 to March'22 of Eastern Region (ER)

A	Fiber Optic Communication System in Eastern Region Under Expansion of Wideband Communication System in Eastern Region	DOCO	Remarks	Region
1	Biharshariff-Koderma (OPGW Cable 24 F), Length 111.0 Km	19-01-2021	DOCO Letter Dtd. 24.01.2022 enclsod.	ER-II
B	Fibre Optic Communication System in Eastern Region Under Expasion of Wideband Communication System in Eastern Region	DOCO (Corrigendum)	Remarks	Region
1	Barh-Kahalgaon (215.22 km) DCPS (1Set)	01-02-2018	DOCO Letter Dtd. 07.01.2022 enclosed	ER-II
2	Daltonganj-Sasaram (196.132 km) & SDH (1no.), DCPS (1 Set)	01-02-2018		
3	Bolangir-Jaypore (228.00 km) & SDH (02 No.s) DCPS (1 Set)	19-05-2019		
C	ERSS-XVII-B	DOCO	Remarks	Region
1	Replacement of 400/220 kV, 315 MVA ICT at Malda SS with 400/220 kV,500 MVA ICT (2nd)	21-02-2022	DOCO Letter Dtd. 25.02.2022 enclosed.	ER-II
2	Installation of 01 no 400/220 kV, 315 MVA ICT including associated 400 kV GIS and 220 kV AIS bays extension at New Siliguri S/S	02-03-2022	DOCO Letter Dtd. 08.03.2022 enclosed.	
D	ERSS-XX	DOCO	Remarks	Region
1	01 no 220/132 kV 100 MVA ICT along with associated GIS Bays at Rangpo	19-02-2022	DOCO Letter Dtd. 22.02.2022 enclosed.	ER-II
E	ERSS-XXIII	DOCO	Remarks	Region

1	passing of 400 kV D/C Farakka-Kahalgaon (Ckt 3 & Ckt-4) and 400 kV S/C Farakka-Durgapur (Ckt-1 & Ckt-2) existing Transmission Line from NTPC, Farakka so as to form 400 kV D/C Kahalgaon-Durgapur along with upgraded bays at Durgapur and Kahalgaon SS	02-01-2022	DOCO Letter Dtd. 07.01.2022 enclosed.	ER-II
F	SIKKIM-B1	DOCO	Remarks	Region
1	LILO of Teesta-III-Kishanganj 400 kV D/C (Quad Moose) line at Rangpo	13-02-2022	DOCO Letter Dtd. 17.02.2022 enclosed.	ER-II
G	SIKKIM-B	DOCO	Remarks	Region
1	02 no Bays (402 and 406) at Rangpo SS	13-02-2022	DOCO Letter Dtd. 17.02.2022 enclosed	ER-II

ITEM NO. C.5: Eastern Region Pool Account Status

A. RRAS Account ----Present Status.

The updated position of Payments to the RRAS Provider(s) from the DSM pool and Payments by the RRAS Provider(s) to the DSM pool as of 28.06.2022 (considering bill up to 05.06.2022) is indicated in **Annexure – C.5.1**. Total receivable by the pool is **₹14.08 Cr** and the total payable by the pool is **₹ 21.16 Cr** as of 28.06.2022 (considering bill up to 05.06.2022).

This is for information to the members.

B. AGC Account ----Present Status.

The updated position of Payments to the AGC Provider(s) from the DSM pool and Payments by the AGC Provider(s) to the DSM pool as on 28.06.2022 (considering bill up to 05.06.22) is indicated in **Annexure – C.5.1**. Total receivable by the pool is **₹29.45 Cr** and the total payable by the pool is **₹ 0.43 Cr** as of 28.06.2022 (considering bill up to 05.06.2022).

This is for information to the members.

C. Status of PSDF

An amount of total **₹ 333.35 Cr** from Reactive account (**17 Cr.**) & DSM Account (**316.35 Cr.**) has been transferred to PSDF after 45th Commercial sub-committee meeting held on 03.03.2022. With this the total amount of **₹ 1855.7 Cr** has been transferred to PSDF so far. The breakup details of fund transferred to PSDF (till 28.02.22) is enclosed in **Annexure C5.2**.

This is for information to the members.

ITEM NO. C.6: Rectification and charging of 400/132 kV 315 MVA ICT-III at DMTCL Motihari S/s

315 MVA, 400/132 kV ICT-III at Motihari S/s was charged at no load on 18.04.2021 and first time loaded from 132 kV side through Bus-1 on 21.04.2021 at 19:00:09 Hrs. At 19:01:02:971 Hrs on the same day, 132 kV Bus-1 got tripped due to internal flashover in 132 kV Bus-1 extension module of DMTCL used for connecting new GIS Bus and ICT-III side 132 KV bay. During the incident all lines/ ICT connected to Bus 1 tripped.

315 MVA, 400/132 kV ICT-III at Motihari S/s, which is out since failure of 132kV Bus-1 on dtd 21.04.2021. The repair of failed extension module and restoration of 132KV Bus-1 has not been done till date by DMTCL. It may be mentioned that the failed 132KV Bus Bar extension module was supplied for future extension as part of original package for construction of 400/132KV substation of M/S DMTCL.

Till date neither any action for repair of 132KV Bus-1 has been taken nor has permission been given for charging of PMTL 400/132KV ICT-III through 132KV Bus-II until 132KV Bus-1 is restored.

Matter may be deliberated for an early resolution for re-charging of 315 MVA, 400/132 kV ICT-III at Motihari S/S and putting it in service.

In 44th TCC meeting, TCC advised PMTL to complete the rectification of Bus-I and submission of the root cause analysis report at the earliest. TCC referred the issue to ERPC for further guidance.

PMTL vide letter dated 01.07.2022 to MS, ERPC informed that in line with the 44th TCC direction and requirement of the 400/132 kV ICT -III at Motihari due to increasing load at the substation, PMTL undertook the rectification work of the damaged module at its' own cost. **(Letter attached at Annexure C.6)**

With active support of DMTCL, the failed module was successfully rectified and ICT-III was put under load on 08.06.2022 and is under successful operation.

This is for information.



CIN NO-L40101HR1975GOI032564

एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)
NHPC Limited
(A Govt. of India Enterprise)

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NH/O&M/2022/GMC/17/ 68.

पूर्वी क्षेत्रीय विद्युत समिति
Eastern Regional Power Committee

03/06/2022

The Member Secretary
ERPC
14, Golf Road, Tolley Ganj,
Kolkata 700033.

डायरी सं०/Diary No- 193
दिनांक/Date 13/06/2022
भारत सरकार/Govt of India
14, गोल्फ क्लब रोड टॉलीगंज
14, Golf Club Road
कोलकाता-33, Kolkata-33

विषय: माननीय केन्द्रीय विद्युत विनियामक आयोग (Hon'ble CERC) द्वारा जारी विचलन प्रभार तंत्र 2022 (Deviation Settlement Mechanism, 2022) के संदर्भ में।

महोदय,

कृपया माननीय केन्द्रीय विद्युत विनियामक आयोग, द्वारा जारी आदेश संख्या L-1/260/2021/CERC दिनांक 14 मार्च 2022 (प्रति संलग्न) का संदर्भ लें, जिसके माध्यम से विचलन प्रभार तंत्र एवं संबंधित मुद्दे, 2022 (Deviation Settlement Mechanism & related Matters, 2022) जारी किया गया है। उक्त विनियमन की लागू करने हेतु माननीय केन्द्रीय विद्युत विनियामक आयोग द्वारा अलग से आदेश जारी की जाएगी।

इस विचलन प्रभार तंत्र विनियामक का उद्देश्य निम्न में वर्णित है :

"These regulations seek to ensure, through a commercial mechanism that users of the grid do not deviate from and adhere to their schedule of drawal and injection of electricity in the interest of security and stability of the grid".

उपरोक्त के संबंध में यह बताना आवश्यक है कि, Generators द्वारा हमेशा मशीनों की परिचालन RLDC द्वारा प्राप्त Schedule के अनुरूप किया जाता है, लेकिन ग्रिड फ्रीक्वेंसी में अस्थिरता या कोई अप्रत्याशित घटना की वजह से IEGC के प्रावधानों के अनुसार Schedule से विचलन हो जाती है।

इस संदर्भ में, प्रस्तावित विचलन प्रभार तंत्र 2022 पर एनएचपीसी की टिप्पणी अनुलग्नक -I में आपके अवलोनार्थ संलग्न किया जाता है तथा माननीय केन्द्रीय विद्युत विनियामक आयोग द्वारा जारी विचलन प्रभार तंत्र एवं संबंधित मुद्दे, 2022 में Generators हेतु उपयुक्त प्रावधानों का संक्षिप्त विवरण अनुलग्नक -II में संलग्न किया जाता है।

उक्त Regulations से संबंधित टिप्पणियों को माननीय उत्तरी क्षेत्रीय पावर समिति (NRPC) द्वारा Hon'ble CERC के संज्ञान में लाया जा सकता है।

धन्यवाद,

discuss
12/6 SEC(Comm.)

भवदीय,
Rajesh Sharma
03/06
(राजेश शर्मा)

कार्यपालक निदेशक (ओ&एम)

Comments on Final Regulations

1. **Regulation: 5 (1):**“For a secure and stable operation of the grid, every grid connected regional entity shall adhere to its schedule as per the Grid Code and shall not deviate from its schedule”.

As per above regulation, there is no provision to inject power in a time block against zero schedule, however, while synchronizing/de-synchronizing the machines, generators normally synchronize their machines just ahead of scheduled time block so as to ramp-up to achieve the desired schedule. Also during shutdown, generators generate power against zero schedule when machine ramps-down from GENERATION mode to STANDSTILL mode. In both the above cases, as per the new Mechanism Generator shall have to pay the charges as regulation does not permit to inject any power against zero schedule.

It is pertinent to mention that, to address the above issues, Hon'ble CERC had issued an amendment vide order no. No.-L-1/(3)/2009-CERC dated 06 May 2016 (copy attached), which was called Central Electricity Regulatory Commission (Deviation Settlement Mechanism and related matters) (Third Amendment) Regulations, 2016, wherein, the following was amended :

“3. Amendment of Regulation 5 of the Principal Regulations

(2) Clause (iv) of Proviso to Regulation 5(1) of the Principal Regulations shall be substituted as under: “The charges for the deviation for the over-injection by the seller (except Renewable Rich State) in a time block in excess of 12% of the schedule or 150 MW, whichever is less, shall be zero, except in case of injection of infirm power, which shall be governed by clause (5) of this regulation:

Provided that in case schedule of a seller (except Renewable Rich State) in a time block is less than or equal to 400 MW, the charges for the deviation for the over-injection in excess of 48 MW shall be zero”.

In view of above and considering the provisions/amendments issued by Hon'ble CERC for removal of difficulties in their Principal DSM regulations, it is requested that the situation of injection of power against zero schedule under above conditions may be seen and the clause may be reviewed accordingly.

2. **Regulation 8 (3)(b):** The charges for deviation for drawal of start-up power before COD of a generating unit or for drawal of power to run the auxiliaries during shut-down of a generating station shall be payable at the normal rate of charges for deviation”.

As per above regulation, Generators shall have to pay to the Deviation Pool Account @ normal rate for drawal of power against zero schedule to fulfill their auxiliaries requirement during shut down of units, whereas, the generators are being paid @ECR for its generation.

During lean season hydro generator operate only during peaking hours and during rest of the day the units remain under shutdown and may draw some power for running auxiliaries. As such, payment by generator @normal rate for meeting the auxiliary power requirements needs to be reviewed, which should be restricted upto ECR.

- 3. Regulation 8(1): Charges for deviation payable to Deviation and Ancillary Service Pool Account (for a general seller other than an RoR generating station or a generating station based on municipal solid waste) for deviation by way of over injection (ii) @ 10% of the normal rate of charges for deviation beyond 2%.**

As per this Regulations, seller/Generator shall have to pay the charges for deviation @10% of the normal rate to Deviation and Ancillary Service Pool Account for deviation beyond 2% Deviation.

The unit capacity of hydro generating units varies from few MW to 250MW. In NHPC, the unit capacity varies from 20 MW to 180MW and the allowable limit of 2% is marginal in terms of MW and will work out to around 0.4MW to 3.6MW, which is very negligible. The load of the hydro generating unit is frequency dependent and marginal variation in load is beyond the control of the generator.

Further, as per Central Electricity Regulatory Commission (Indian Electricity Grid Code), regulations 2010 & its subsequent amendments, (clause 5.2.f. System Security Aspects), Hydro units of 25 MW and above shall have the capability of instantaneous picking upto 110 % of their MCR (Maximum Continuous Rating), when frequency falls suddenly. Moreover, as per order issued by NRLDC vide their letter no NRLDC/SO-117/721 dated 08/05/2018 during lean season/less inflow period, RLDCs shall not schedule the generating stations beyond normative ex-bus generation (Installed Capacity minus normative Auxiliary Consumption) corresponding to 100% of the Installed capacity of the generating station. That means during lean season/less inflow period, there would be margin available to the RLDC, especially in peak period, from Ex-bus installed capacity up to 110% of the MCR of the generating stations or unit thereof, for getting primary response, when frequency falls suddenly in the Grid.

Further, there is no incentive proposed in the regulations for Primary response given by the generator in terms of supporting the Grid beyond 2%. Rather deviation beyond 2% in terms of over injection shall lead to penalty to the generating stations.

Thus, limiting deviation to 2% as mentioned in the Regulations needs to be reviewed considering the prevailing provisions in IEGC Regulations.

- 4. Regulation 8(1): Charges for deviation in a time block by a seller shall be payable by such seller as under (For a general seller other than an RoR generating station or a generating station based on municipal solid waste), Deviation by way of under injection. The charges for deviation payable by the seller to Deviation and Ancillary Service Pool Account:**
- @ the reference charge rate up to 2% Deviation
 - @ 120% of the normal rate of charges for deviation beyond 2% Deviation and up to 10%.
 - @ 150% of the normal rate of charges for deviation beyond 10% Deviation.

As per above regulations of Deviation settlement Mechanism, the generator shall pay to Deviation and Ancillary Service Pool Account during under injection. Further, the rate of charges payable by the generator is 120% of the normal rate and 150% of normal rate if deviation (under injection) occurs between 2% to 10% and beyond 10% respectively.

In this regard, it is submitted that response of the generating stations, during frequency variations depends upon droop setting of the Generating unit(s). When Grid frequency is higher especially beyond 50.5 Hz, generating stations are supposed to support the Grid by reduction of the

generation based on the droop setting. Thus, supporting the Grid by under injection of generating stations, during high frequency is leading to the penalty (@ reference rate for deviation up to 2%, @ 120 % of the normal rate for deviation beyond 2% & upto 10% and @ 150% of normal rate of deviation beyond 10%), which may kindly be reviewed.

Further, it is fact that in spite of carrying out the regular preventive/predictive maintenance of units, any untoward breakdown and tripping of unit can't be prevented as the same is beyond the control of Power Stations. Once unit is tripped, then as per Central Electricity Regulatory Commission (Indian Electricity Grid Code) (Sixth Amendment) Regulations, 2019, the request for revision in schedule or declared capability shall be effective w.e.f. 7th time block or 8th time block for the request received in odd time block and even time block respectively, as the case may be. As per the proposed DSM regulation, the penalty @150% of the normal rate of charges for deviation beyond 110% deviation shall be imposed on the seller (generator) till 7th/8th time blocks, which is a huge penalty and may kindly be reviewed.

5. Regulation 8(1): Charges for deviation in a time block by a seller shall be payable by such seller as under (For a general seller being an RoR generating station), Deviation by way of over injection

“Zero”

Provided that such seller shall be paid back for over injection up to [2% Deviation-general seller (in %)] @ the reference charge rate.

As per this regulation, for RoR generating station, in case of Over Injection, Seller shall be paid back for over injection @the reference charge rate for deviation upto 2% deviation, however, there is no payment for over injection beyond 2% of deviation.

The generation from RoR Stations is dependent on inflow. RoR hydro stations have limited storage capacity and accordingly, CERC has already considered these stations as 'Must Run' Power Stations.

The proposed regulation provides zero charge in case of over injection beyond 2% and as such RoR stations are not being incentivised for using any excess inflow and the excess water may not be utilized as RoR stations have very limited storage capacity.

In view of above the Clause may kindly be reviewed, if over injection occurs beyond 2% due to sudden increase in inflow.

6. Regulation 8(3)(a): The charges for deviation for injection of infirm power shall be zero.

The revenue earned by generating company from supply of infirm power is adjusted in capital cost of the project which results in lower tariff and the beneficiaries get benefit by way of lower tariff for the project.

The proposed Deviation Settlement Mechanism provides zero energy charges for infirm power, thus depriving the beneficiaries the benefit of lower tariff from the project.

7. Clause 5 of Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2022. is dealt as under:

“Adherence to Schedule and Deviation:

- (1) For a secure and stable operation of the grid, every grid connected regional entity shall adhere to its schedule as per the Grid Code and shall not deviate from its schedule.**

- (2) **Any deviation shall be managed by the Load Despatch Centre as per the Ancillary Services Regulations, and the computation, charges and related matters in respect of such deviation shall be dealt with as per the following provisions of these regulations”.**

Hon'ble CREC issued a regulation vide their order No. RA-14026(11)/3/2019-CERC dated 31 January 2022 on Ancillary Services, Regulations, wherein, the following regulations are available for payment to generator against Secondary Ancillary Services:

- (1) **SRAS Provider shall be paid from the Deviation and Ancillary Service Pool Account, at the rate of their energy charge or compensation charge, as declared by the SRAS Provider, as the case may be, for the SRAS-Up MW quantum despatched for every 15 minutes time block, calculated as per clause (12) of Regulation 10 of these regulations.**
- (2) **SRAS Provider shall pay back to the Deviation and Ancillary Service Pool Account, at the rate of their energy charge or compensation charge, as the case may be, for the SRAS-Down MW quantum despatched for every 15 minutes time block, calculated as per clause (12) of Regulation 10 of these regulations. (3) SRAS Provider shall be eligible for incentive based on performance as per Regulation 12 of these regulations.**

Clause 12 of Ancillary Services, Regulations (Performance of SRAS Provider and incentive)

- (3) **SRAS Provider shall be eligible for incentive based on the performance measured as per clause (2) of this Regulation and the 5-minute MWh data calculated for SRAS-Up and SRAS-Down as per clause (11) of Regulation 10 of these regulations and aggregated over a day, as under:**

Actual performance vis-a-vis secondary control signal for an SRAS provider	Incentive Rate (Paise/KWH)
95% and above	(+)50
75% to below 95%	(+)40
60% to below 75%	(+)30
50% to below 60%	(+)20
20% to below 50%	(+)10
Below 20%	0

As per DSM, 2022 regulations, any deviation shall be managed by the Load Despatch Centre as per the Ancillary Services Regulations and further Ancillary Service Regulations has the provision for payment of SRAS @ of their ECR (Energy Charge Rate) and a performance related charges shall be paid to the generator based on their response with maximum rate @ 50paise/KWH, if performance is 95% and above.

Deviation Settlement Mechanism, 2022 regulations, provides the provision to impose penalty to the generator @ 120 % of the normal rate for deviation beyond 2% & upto 10% and @ 150% of normal rate of for deviation beyond 10%, in case of under-injection, whereas, the generator shall be paid only @ ECR against their ancillary support (SRAS). This may kindly be reviewed.

Deviation Settlement Mechanism 2022

Hon'ble CERC vide order No. L-1/260/2021/CERC Dated:14th March, 2022, issued the final Deviation Settlement Mechanism and Related Matters, Regulations, 2022. This regulation shall come into force on such date as may be notified by the Commission separately.

The main points related to generating stations in the final Deviation Settlement Mechanism, 2022 are detailed below:

1. Definition of Normal Rate of Charges for Deviations

- ✓ *The normal rate of charges for deviation for a time block shall be equal to the Weighted Average Ancillary Service Charge (in paise/kWh) computed based on the total quantum of Ancillary Services deployed and the net charges payable to the Ancillary Service Providers for all the Regions for that time block:*

*Provided that for a period of one year from the date of effect of these regulations or such further period as may be notified by the Commission, **the normal rate of charges for deviation for a time block shall be equal to the highest of [the weighted average ACP of the Day Ahead Market segments of all the Power Exchanges; or the weighted average ACP of the Real Time Market segments of all the Power Exchanges; or the Weighted Average Ancillary Service Charge of all the regions] for that time block.....***

2. Charges for deviation payable to Deviation and Ancillary Service Pool account:

- A. For a general seller other than an RoR generating station or a generating station based on municipal solid waste)

Over Injection

- a) *Seller shall be paid back for over injection @ the reference charge rate (ECR) for deviation **up to 2% Deviation***
- b) *Seller shall have to pay the charges for deviation @10% of the normal rate to Deviation and Ancillary Service Pool Account for deviation **beyond 2% Deviation**.*

Under Injection (Charges for deviation payable by the seller to Deviation and Ancillary Service Pool Account)

- a) **@ the reference charge rate up to 2% Deviation**
- b) **@ 120% of the normal rate of charges for deviation beyond 2% Deviation and up to 10%.**
- c) **@ 150% of the normal rate of charges for deviation beyond 10% Deviation.**

- B. For a general seller being an RoR generating station

Over Injection

- (1) *Seller shall be paid back for over injection @ the reference charge rate (ECR) for deviation up to 2% Deviation*

Under injection (Charges for deviation payable by the seller to Deviation and Ancillary Service Pool Account):

- a) @ the reference charge rate up to 2% Deviation
 - b) @ normal rate of charges for deviation beyond 2% Deviation and upto 10%.
 - c) @ 110% of the normal rate of charges for deviation beyond 10% Deviation.
- 3. The charges for deviation for injection of infirm power shall be zero.**

SET-I**DIRECT LAN CONNECTIVITY POSSIBLE BY PORT OPENING: -**

S/NO	Utility Name	Substation Name
1	BIHAR	ARAH(ARB)
2	POWERGRID	BINAGURI(BIN)
3	JHARKHAND	CHANDIL(CHN)
4	IPPR	CHUZACHEN(CZN)
5	JHARKHAND	DALTONGANJ
6	DMTCL	DARBHANGA
7	DMTCL	DARBHANGA
8	NTPC	DARLIPALLI
9	POWERGRID	DURGAPUR(DGP)
10	CESC	EMSS(EMS)
11	GRIDCO	GMR(GMR)
12	CESC	HALDIA(HAL)
13	GRIDCO	INDRAVATI(IND)
14	SIKKIM	JORTHANG
15	BIHAR	KAHALGAON(KAH)
16	WEST BENGAL	KALIMPONG(KLM)
17	BIHAR	KARMANASHA NEW
18	BSPTCL	KHIZIRSARAI
19	BIHAR	KUDRA(KUD)
20	WEST BENGAL	KURSEONG(KSG)
21	BIHAR	LAUKAHI
22	IPPR	MAITHON POWER LTD (MRB)
23	IPPR	MAITHON POWER LTD (MRB)
24	DMTCL	MOTIHARI
25	DMTCL	MOTIHARI
26	BSPTCL	MOTIPUR
27	NTPC	NABINAGAR
28	BIHAR	NEW PUSAULI(NPS)
29	GENERATOR	OPGC 400KV
30	JHARKHAND	PATRATU(PTJ)
31	BIHAR	PURNEA(PUR)
32	WBSETCL	RAMMAM(RMM)
33	BIHAR	RAXAUL
34	GRIDCO	RENGALI(REG)
35	GRIDCO	SADEIPALI
36	WEST BENGAL	SAGARDIGHI(SAG)
37	WEST BENGAL	SANTALDIH(SNT)
38	IPPR	STERLITE(SEL)
39	IPPR	STERLITE(SEL)
40	IPPR	STERLITE(SEL)
41	POWERGRID	LAKHISARAI(PG)

SET-II

KIOSK LOCATION WHERE ADDITIONAL CONVERTER AND FIBER OPTICAL CONNECTIVITY REQUIRED: -

S/NO	Utility Name	Substation Name
1	IPPR	ADHUNIK(APNRL)
2	IPPR	ADHUNIK(APNRL)
3	POWERGRID	ALIPURDUAR
4	POWERGRID	ALIPURDUAR
5	POWERGRID	ALIPURDUAR
6	POWERGRID	ANGUL
7	POWERGRID	ANGUL(AGL)
8	POWERGRID	BERHAMPORE(BMP)
9	POWERGRID	CHANDAUTI
10	JHARKHAND	DUMKA(DUM)
11	POWERGRID	GAYA(GYA)
12	WEST BENGAL	JEERAT(JRT)
13	POWERGRID	KEONJHAR(KJR)
14	POWERGRID	MEDINIPUR
15	SIKKIM	MELLI(MEL)
16	POWERGRID	PATNA(PAT)
17	POWERGRID	PURNEA(PRN)
18	POWERGRID	PUSAUL
19	POWERGRID	RANCHI NEW
20	POWERGRID	RANCHI NEW
21	POWERGRID	GAYA(GYA)
22	POWERGRID	NEW JEERAT

SET-III

LAN CONNECTIVITY PROVISIONALLY POSSIBLE IN DUE COURSE: -

S/NO	Utility Name	Substation Name
1	JHARKHAND	DEOGARH(DEO)
2	JHARKHAND	GARWA(GAR)
3	JHARKHAND	JAMTARA(JMT)
4	JHARKHAND	JAPLA(JAP)
5	JHARKHAND	KENDOPOS(KEN)
6	JHARKHAND	NAGARUNTARI
7	SIKKIM	RAVANGLA(RAV)
8	SIKKIM	DIKCHU

Status Report of PGCIL AMR AMC (Phase I, II & III)		Date: 26/06/2022
Summary		
Total Substation	163	
Communicating Sub Station	150	
Non-communicating Sub Station	13	
Total Meter	1228	
Communicating meter	1181	
Non-communicating Meter	47	

Details of Non-communicating Sub Stations				
SNO	Utility Name	Substation Name	Total Meter	Probable issue
1	POWERGRID	ANGUL(AGL)	8	Meters are replaced, AMC work for meter integration will be done soon.
2	NTPC	DARLIPALLI	4	GPRS issue. Need PGCIL LAN provision .
3	SIKKIM	DIKCHU	5	GPRS issue. Poor network connectivity.
4	BIHAR	FATUA(FAT)	1	Meter RS-485 port issue. Request to replace the meter.
5	IPPR	IND-BARATH(IBR)	6	Unable to communicate with substation regarding AMC work .
6	BIHAR	KISHANGANJ(KSN)	1	Meter RS-485 port issue. Request to replace the meter.
7	WB	NEW JALPAIGURI(NJP)	1	Meter RS-485 port issue. Request to replace the meter.
8	WB	RAMMAM(RMM)	1	GPRS issue.
9	IPPR	STERLITE(SEL)	10	Unable to communicate with substation regarding AMC work
10	NTPC	TALCHER SOLAR(TLS)	6	TCS will visit there and will do necessary AMC work shortly.
11	DVC	BARHI(BAR)	1	Meter faulty. Request to replace the meter.
12	DVC	TISCO(TIS)	2	Replaced meter. Substation did not allow for meter integration work due to COVID restrictions.
13	SIKKIM	RAVANGLA(RVG)	1	GPRS issue.
Total Non Comm			47	

Annexure-B10

List of Substation Connected with PGCIL Intranet connection(LAN)			
SI No.	Substation name	Utility	LAN Integration Date
1	Power Grid	Subhashgram	15-Jun-17
2	Power Grid	Binaguri	20-Jul-17
3	Power Grid	Malda	06-Jun-18
4	Power Grid	Kishanganj	15-Jul-18
5	Power Grid	Siliguri	12-Sep-18
6	Power Grid	Gangtok	15-Sep-18
7	Power Grid	Rourkela	03-Oct-18
8	Power Grid	Gaya	25-Dec-18
9	Power Grid	Biharshariff	27-Dec-18
10	Power Grid	Arah	29-Oct-18
11	Power Grid	Jamshedpur	02-Nov-18
12	Power Grid	Rangpo	05-Dec-18
13	Power Grid	Durgapur	07-Dec-18
14	Power Grid	Jeypore	10-Dec-18
15	Power Grid	Maithon	11-Dec-18
16	Power Grid	Pusaul	19-Dec-18
17	Power Grid	Muzaffarpur	20-Dec-18
18	NTPC	Barh	21-Dec-18
19	NTPC	Kahalgaon	21-Dec-18
20	Power Grid	Purnea	24-Dec-18
21	Power Grid	Banka	27-Dec-18
22	NHPC	Teesta	01-Jan-19
23	NHPC	Rangit	02-Jan-19
24	Power Grid	Baripada	15-Nov-18
25	Power Grid	Ranchi	10-Jan-19
26	NTPC	Talcher	16-Jan-19
27	NTPC	Farakka	22-Jan-19
28	Power Grid	Chaibasa	28-Jan-19
29	Power Grid	Dalkhola	28-Jan-19
30	Power Grid	Birpara	29-Jan-19
31	Power Grid	Rajarhat	18-Apr-19
32	NTPC	Kanti	28-May-19
33	Power Grid	Patna	20-Sep-19
34	PGCIL	Behrampore	18-Nov-19
35	PGCIL	Pandiabil	30-Jan-20
36	DVC	Mejia	30-Sep-20
37	DVC	RTPS	25-Feb-21
38	PGCIL	Bolangir	26-Feb-21
39	PGCIL	New Melli	04-Mar-21
40	PGCIL	Sundergarh	12-Mar-21
41	DVC	DSTPP (AND)	28-Jul-21

42	DVC	JAMSHEDPUR (JAM)	31-Aug-21
43	DVC	KALNESHWARI (KAR)	03-Aug-21
44	DVC	KODERMA (KOD)	05-Aug-21
45	DVC	KOLAGHAT (KGT) DVC	27-Jul-21
46	DVC	MAITHON (MAI)	03-Aug-21
47	DVC	MANIQUE (MNQ)	01-Sep-21
48	DVC	WARIA (WAR)	28-Jul-21
49	DVC	DHANBAD	04-Aug-21
50	DVC	PARULIA	29-Jul-21
51	DVC	PATRATU	07-Aug-21
52	DVC	BARHI	06-Aug-21
53	PGCIL	Medinipur	06-Sep-21
54	PGCIL	Alipurduar	23-Sep-21
55	WBSEB	Jeerat	12-Jul-21
56	BSEB	Bodhgaya	26-Oct-21
57	BSEB	Hajipur	26-Oct-21
58	BSEB	Lakhisarai	25-Oct-21
59	BSEB	Sipara	26-Oct-21
60	PGCIL	Sitamari PG	09-Oct-21
61	WBSEB	Malda	08-Nov-21
62	WBSEB	Dalkhola	10-Nov-21
63	WBSEB	Birpara	08-Nov-21
64	WBSEB	Subhasgram	02-Nov-21
65	WBSEB	New Town	01-Nov-21
66	WBSEB	Kharagpur	12-Nov-21
67	WBSEB	PPSP-New	11-Nov-21
68	WBSEB	Bidhannagar (220KV and 400KV)	18-Nov-21
69	Sikkim	Melli	22-Nov-21
70	WBSEB	NJP	30-Nov-21
71	WBSEB	NBU	12-Nov-21
72	PGCIL	Saharsha	30-Nov-21
73	BSEB	Biharshariff	08-Dec-21
74	BSEB	Nalanda	08-Dec-21
75	BSEB	Jamui	08-Dec-21
76	BSEB	Khagaul	09-Dec-21
77	BSEB	Sultanganj	09-Dec-21
78	BSEB	Sabour	09-Dec-21
79	BSEB	Jagadispur	11-Dec-21
80	BSEB	Sonnenagar New	11-Dec-21
81	BSEB	Dumraon	14-Dec-21

82	BSEB	Madhepura	14-Dec-21
83	BSEB	Dehri	15-Dec-21
84	BSEB	Sonnenagar	16-Dec-21
85	JSEB	Chaibasa 220KV	16-Dec-21
86	JSEB	Tenughat	18-Dec-21
87	BSEB	Karmanasha	18-Dec-21
88	JSEB	Ramchandrapur	23-Dec-21
89	JSEB	Hatia	29-Dec-21
90	OPTCL	Meramumdali	03-Jan-22
91	OPTCL	Budhipadar	03-Jan-22
92	BSEB	Fathua	04-Jan-22
93	OPTCL	Tarkera	08-Jan-22
94	OPTCL	Balasore	10-Jan-22
95	BSEB	Kishanganj	10-Jan-22
96	OPTCL	Baripada	11-Jan-22
97	OPTCL	Jeynagar	11-Jan-22
98	PGCIL	Indravati	12-Jan-22
99	PGCIL	Daltongonj	08-Jan-22
100	OPTCL	Bolangir	13-Jan-22
101	OPTCL	Joda	20-Jan-22
102	BSEB	Banka	27-Jan-22
103	OPTCL	Katapali	28-Jan-22
104	BSEB	Mohania	28-Jan-22
105	JSEB	Lalmatia	29-Jan-22
106	OPTCL	New Dubri	02-Feb-22
107	PGCIL	Rengali	02-Feb-22
108	BSEB	Rajgir	03-Feb-22
109	PGCIL	Mendashal	03-Feb-22
110	GRIDCO	RENGALI(REG)	04-Feb-22
111	POWERGRID	LAKHISARAI(PG)	22-Feb-22
112	BIHAR	KARMANASHA NEW	01-Mar-22
113	POWERGRID	BINAGURI(BIN)	02-Mar-22
114	POWERGRID	DURGAPUR(DGP)	21-Mar-22
115	BIHAR	ARAH(ARB)	23-Mar-22
116	GRIDCO	INDRAVATI(IND)	22-Apr-22
117	BIHAR	KAHALGAON(KAH)	27-Apr-22
118	POWERGRID	NEW JEERAT 400KV	26-Apr-22
119	POWERGRID	NEW JEERAT 765KV	28-Apr-22
120	BIHAR	PURNEA	23-May-22
121	WBSETCL	KALIMPONG	25-May-22
122	SIKKIM	KURSEONG	26-May-22
123	WBSETCL	JEERAT	31-May-22
124	POWERGRID	MEDINIPUR	2-Jun-22
125	BIHAR	RAXAUL	3-Jun-22

126	POWERGRID	BERHAMPORE	6-Jun-22
127	BIHAR	LAUKAHI	7-Jun-22
128	SIKKIM	MELLI	9-Jun-22
129	SIKKIM	JORTHONG	10-Jun-22
130	POWERGRID	GAYA	10-Jun-22
131	BIHAR	KHIZIRSARAI	13-Jun-22
132	POWERGRID	PATNA	17-Jun-22
133	GRIDCO	OPGC	20-Jun-22
134	IPPR	Maithon RB(MPL)	20-Jun-22
135	BIHAR	Motipur	22-Jun-22
136	BIHAR	New Pusauli(NPS)	23-Jun-22
137	WBSETCL	SANTALDIHI	23-Jun-22
138	DMTCL	Motihari 132KV	23-Jun-22
139	DMTCL	Motihari 400KV	24-Jun-22

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**GOVERNMENT OF SIKKIM
POWER DEPARTMENT**

No. 68/P/SLDC/2022-23/66

Dated 30/05/2022

TO WHOM IT MAY CONCERN

Ref : 1.243/CE/EHV/RE/E&P/2017-18/820 Dated 26.09.2017

Reference to application No:SEPL/F-03/22-23/865 dated : 27/15/2022 regarding issuance of NOC for the scheduling of Power by ERLDC for the power generated by 2x48.5 MW Tashiding HEP, Power Department, Govt. Of Sikkim do hereby provide a No Objection Certificate for evacuation of Power generated by Tashiding HEP of Shiga Energy Private Limited through Interconnection with the Intra-State Transmission line of Power Department.

The Scheduling may be done by ERLDC and the power be evacuated further to the Inter State Transmission System till the time SAMAST framework is set up at Sikkim SLDC.

Sonam
Devlak
Assistant Engineer (SLDC)
Assistant Engineer (SLDC)
Power Department
Energy & Power Deptt.
Govt of Sikkim
Govt. Of Sikkim



**GOVERNMENT OF SIKKIM
POWER DEPARTMENT**

No. 02/GEN/SLDC/2015-16/466

Dated 23/05/2022

TO WHOM IT MAY CONCERN

- Ref: 1. E&P letter No.243/CE/EHV/RE/E&P/2017 - 18/830 dated 12.01.2018
2. CERC Order dated 13.12.2021 issued for Petition no. 175/MP/2021**

Reference to application No. GIPL/HO/2022 - 23/05 / 001 dated: 19/05/2022 regarding issuance of NOC for the scheduling of Power by ERLDC for the power generated by Chuzachen HEP, Power Department, Government of Sikkim do hereby provide a No Objection Certificate for evacuation of power generated by Chuzachen HEP of Gati Infrastructure Pvt. Ltd through interconnection with the Intra - State Transmission Line of Power Department.

The agreement signed on 14th November 2003 between Gati Infrastructure Ltd and Sikkim Power Development Corporation Ltd. (A Government of Sikkim Enterprise) shall stand in force.

The Scheduling may be done by ERLDC and the power be evacuated further to the Inter State Transmission System till the time SAMAST Framework is set up at SLDC, Sikkim.

Executive Engineer (SLDC)

Executive Engineer
Power Department
Govt. of Sikkim, Gangtok

List of Drifted Main Meters to be replaced : ER

(time drift available in AMR system as on 01.02.2022)

Annexure-B14

UTILITY	SNO	LOCATION ID	FEEDER NAME	METER NO	TIME DIFFER(min)	Pending
BIHAR	1	BI-57	220 KV BIHARSHARIFF (BSPHCL) - TENUGHAT (JSEB)	NP-5844-A	7	Total=14
	2	BI-13	220 KV KHAGAUL(BSPHCL) - ARAH (PG)-1	NP-8641-A	-21	
	3	BI-14	220 KV KHAGAUL(BSPHCL) - ARAH (PG)-2	NP-6060-A	6	
	4	BI-33	220 KV NADHOKHAR(BSPHCL)- PUSAULI (PG)-2	NP-8665-A	-14	
	5	BI-21	132 KV BAISI(BSPHCL) - DALKHOLA (WBSETCL)	NP-6085-A		
	6	BI-09	132 KV KAHALGAON(BSPHCL) - LALMATIA(JSEB)	NP-6071-A	23	
	7	BI-61	132 KV SULTANGANJ (BSPHCL) - DEOGARH (JSEB)	NP-7400-A	25	
	8	ER-01	400KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-1	NP-6063-A	18	
	9	ER-02	400KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-2	NP-6069-A	19	
	10	ER-03	400KV SIDE OF BIHARSARIF (PG) 400/220 KV ICT-3	NP-6068-A	8	
	11	BI-63	132 KV KARMANASHA(BSPHCL) - CHANDAULI (UPSEB)	NP-6017-B	37	
	12	BI-64	132 KV KARMANASHA(BSPHCL) - SAHUPURI(UPSEB)	NP-6018-B	12	
	13	BI-60	132 KV SONENAGAR (BSPHCL)- JAPLA (JSEB)	NP-6015-B	31	
	14	BI-66	132 KV SONENAGAR(BSPHCL) - NAGARUNTARI(JSEB)	NP-6013-B	30	
JHARKHAND	1	JS-51	220 KV RAMCHANDRAPUR (JSEB) - JODA (GRIDCO)	NP-6102-A	16	Total=14
	2	JS-57	220 KV CHANDIL (JSEB) - SANTALDIH (WBSETCL)	NP-7436-A	31	
	3	JS-62	220 KV TENUGHAT (JSEB) - BIHARSHARIFF (BSPHCL)	NP-6115-A	21	
	4	JS-63	132 KV LALMATIA (JSEB) - KAHALGAON (BSPHCL)	NP-6107-A	23	
	5	JS-64	132 KV JAPLA(JSEB) - SONENAGAR (BSPHCL)	NP-6112-A	-6	
	6	JS-66	132 KV JAMTARA (JSEB) - MAITHON (DVC)	NP-6110-A	35	
	7	ER-17	400 KV SIDE OF JAMSHEDPUR(PG) 400/220 KV 315MVA ICT-1	NP-6106-A	12	
	8	ER-18	400 KV SIDE OF JAMSHEDPUR(PG) 400/220 KV 315MVA ICT-2	NP-6105-A	10	
	9	EM-44	220 KV RANCHI(PG) - HATIA (JSEB)-2	NP-5879-A	20	
	10	EM-45	220 KV RANCHI(PG) - CHANDIL (JUVNL)-1	NP-5874-A	16	
	11	EM-49	220 KV RANCHI(PG) - HATIA (JUVNL)-3	NP-7880-A	20	
	12	JS-55	132KV PATRATU (JSEB)-RAMGARH (DVC)-TR.BUS	NP-6003-B	19	
	13	JS-50	132KV PATRATU (JSEB) - PATRATU (DVC) -2	NP-6005-B	26	
	14	JS-54	132KV PATRATU (JSEB) - PATRATU (DVC) -1	NP-8610-B	-3	
DVC	1	DV-53	132 KV PATRATU (DVC)-PATRATU(JSEB)-1&2(SUM)	NP-6006-B	11	Total = 3
	2	DV-61	132 KV KOLAGHAT(DVC) - KOLAGHAT (WBSETCL)	NP-6558-B	-17	
	3	DV-55	132KV MANIQUE (DVC) - CHANDIL (JSEB)	NP-6011-B	33	
WEST BENGAL	1	WB-29	400 KV KHARAGPUR(WB)-CHAIBASA(PG)-2	NP-8720-A	-4	Total=6
	2	WB-30	400 KV KHARAGPUR(WB)-CHAIBASA(PG)-1	NP-8731-A	34	
	3	WB-52	132 KV DALKHOLA (WBSETCL)-BAISI(BSPHCL)	NP-8741-A	-2	
	4	WB-12	400 KV SAGARDIGHI(WB) - FARAKKA (NTPC)-1(MAIN)	NP-6482-A		
	5	WB-25	400 KV SAGARDIGHI(WB)-BERHAMPORE(PG) LINE-2(MAIN)	NP-8724-A		
	6	WB-27	400 KV SAGARDIGHI(WB)-BERHAMPORE(PG) LINE-1(MAIN)	NP-8723-A		
SIKKIM	1	SM-51	66 KV MELLI (SIKKIM) - KALIMPONG (WBSETCL)	NP-5849-A	24	Total=04
	2	SM-01	66 KV RAVANGLA (SIKKIM) - RANGIT (NHPC)	NP-6481-A		
	3	SM-03	132KV MELLI (SIKKIM) - RANGPO (PG)	NP-8770-A	-8	
	4	SM-02	132KV MELLI (SIKKIM) - SILIGURI (PG)	NP-8771-A	10	
INTER REGIONAL	1	EM-21	400KV BIHARSHARIFF(ER)-BALIA (NR)-1	NP-6061-A	17	Total=03
	2	EM-47	400 KV RANCHI(PG)-SIPAT-1 (WR)	NP-5835-A	19	
	3	EM-48	400 KV RANCHI(PG)-SIPAT-2 (WR)	NP-5836-A	17	

SUMMARY OF DEVIATION CHARGE RECEIPT AND PAYMENT STATUS

BILL UPTO 05-06-2022 (W-10 of 2022-2023)
Last Payment Disbursement Date - 28-06-2022

Figures in Rs. Lakhs

CONSTITUENTS	Net outstanding for 2021-22	Receivable	Received	Payable	Paid	Outstanding for 2022-23	Total Outstanding
BSPTCL	953.96908	4,042.45433	0.00000	917.70593	0.00000	3,124.74840	4,078.71748
JUVNL	4,772.21930	7,295.43262	0.00000	71.04213	0.00000	7,224.39049	11,996.60979
DVC	-0.23719	2,820.93733	3,223.68342	167.61357	570.35960	-0.00006	-0.23725
GRIDCO	6.42843	15,033.54642	15,055.58407	698.38728	721.50695	1.08202	7.51045
WBSETCL	82.45475	11,859.02881	11,848.84720	368.88805	368.88805	10.18161	92.63636
Sikkim	1,456.99860	596.89359	0.00000	104.87801	0.00000	492.01558	1,949.01418
NTPC	0.00000	2,534.77376	2,534.82017	0.00000	0.04641	0.00000	0.00000
NHPC	0.00000	0.00000	0.00000	466.13547	466.13547	0.00000	0.00000
MPL	0.00000	63.01203	63.01203	110.43920	110.43920	0.00000	0.00000
APNRL	-0.00002	194.05304	194.05304	53.61955	53.61955	0.00000	-0.00002
CHUZACHEN	0.00000	0.00000	0.00000	63.46182	63.46182	0.00000	0.00000
NVVN-BD	0.00000	17.62751	17.62751	131.62821	131.62821	0.00000	0.00000
GMR	0.00000	22.01136	22.01138	216.53049	216.53049	-0.00002	-0.00002
JITPL	-0.00011	245.58979	245.58979	98.30815	98.30815	0.00000	-0.00011
TPTCL (Dagachu)	0.00001	696.53216	544.10716	0.00000	0.00000	152.42500	152.42501
JLHEP	-0.00001	193.22835	125.41658	0.00000	0.00000	67.81177	67.81176
NVVN-NEPAL	0.00000	5,524.74669	5,524.74669	157.25364	157.25364	0.00000	0.00000
IBEUL	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
BRBCL	0.00000	324.85167	324.85167	25.57756	25.57756	0.00000	0.00000
PGCIL SASARAM	-0.01686	1.03251	1.03251	37.98400	37.98400	0.00000	-0.01686
TUL (Teesta-III)	-0.02372	121.69893	121.67521	79.53769	79.53769	0.02372	0.00000
NERLDC	-411.85650	22,707.33169	20,929.93063	19,543.95479	19,543.95479	1,777.40106	1,365.54456
WRLDC	-42.74324	0.00000	0.00000	1,84,137.87876	2,01,423.58426	17,285.70550	17,242.96226
NRLDC	-4,591.25039	44,733.97198	46,125.15493	4,209.03291	4,209.03291	-1,391.18295	-5,982.43334
SRLDC	-335.82650	1,19,592.07363	98,498.15201	0.00000	0.00000	21,093.92162	20,758.09512
VAE	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Dikchu	0.00001	32.20404	32.20404	43.57350	43.57350	0.00000	0.00001
PGCIL-Alipurduar	0.00000	7.92158	4.38118	1.94618	1.94618	3.54040	3.54040
Tashiding(THEP)	0.00000	200.67049	188.12008	0.00000	0.00000	12.55041	12.55041
OPGC	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
KBUNL	0.00000	65.16757	65.16793	35.85888	35.85888	-0.00036	-0.00036
NPGC	0.00000	172.51075	172.51075	142.56177	142.56177	0.00000	0.00000
NPGC-Infirm	0.00000	298.01341	298.01341	1,006.41355	1,006.41355	0.00000	0.00000
RONGNICHU	0.00000	8.84114	8.84114	70.71590	70.71590	0.00000	0.00000
BRBCL U4 Infirm	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
PTC Bhutan	0.00000	0.00000	0.00000	141.54024	141.54024	0.00000	0.00000
Total	1,890.11564	2,39,406.15718	2,06,169.53453	2,13,102.46723	2,29,720.45877	49,854.61419	51,744.72983

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

Deviation Interest Bill due to delay payment

Annexure-B16.2

All figs in Rupees.

SI 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
14	IBEUL	26,75,383			26,75,383
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		-1
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		

STATUS OF REACTIVE CHARGES

AS ON 28.06.22

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	40651034	0	7400544	0	33250490
JUVNL	43938525	0	0	0	43938525
DVC	7974964	7533844	0	0	441120
GRIDCO	559786	559786	1807808	1807808	0
SIKKIM	5140091	0	335136	0	4804955
WBSETCL	32781801	24661084	0	0	8120717

Receivable:

Received:

'- ve' Payable by ER pool

Receivable by ER POOL

Received by ER POOL

'+ ve' Receivable by ER pool

Payable:

Paid:

'+ ve' Receivable by ER pool

Payable by ER POOL

Paid by ER POOL

DSM account Reconciliation Status of ER constituents and Inter Regional

Annexure-B17.1

	2019-20				2020-21				2021-22			
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)
Inter Regional												
WR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SR	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO
NER	NO	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES
NR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Intra Regional												
BSPHCL	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
DVC	YES	YES	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
GRIDCO	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES
WBSETCL	YES	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO
SIKKIM	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NTPC	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES
NHPC	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	YES
MPL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KBUNL	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
APNRL	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
CHUZACHEN(GATI)	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
NVVN(Ind-Bng)	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
NVVN(Ind-Nep)	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
GMR	YES	YES	YES	YES	NO	NO	NO	YES	NO	NO	NO	NO
JITPL	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TPTCL (DAGACHU)	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	NO
JLHEP(DANS ENERGY)	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES
BRBCL	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	NO
POWERGRID (ER-I)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO
POWERGRID (ER-II)	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
TUL (TEESTA-III)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
DIKCHU	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
SHIGA (TASHIDING)	YES	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	YES
OPGC	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NPGC	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES
Rongnichu	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	YES	NO
PTC Bhutan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	YES

(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-B17.2

	2019-20				2020-21				2021-22			
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)
Intra Regional												
BSPHCL	YES	NA	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
JUVNL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
DVC	YES	N/A	N/A	N/A	YES	NO	NO	NO	NO	NO	NO	YES
GRIDCO	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES
WBSETCL	YES	YES	NO	NO	YES	NO	NO	YES	YES	NO	NO	NO
SIKKIM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RRAS Account Reconciliation Status

	2019-20				2020-21				2021-22			
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)
NTPC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
BRBCL	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	NO
KBUNL	YES	YES	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO
NPGC	NA	NA	YES	YES	YES	NO	YES	NO	YES	YES	YES	YES
MPL	NA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

AGC Account Reconciliation Status

	2019-20				2020-21				2021-22			
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)
(NTPC)	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	NO
MPL										YES	YES	YES
NHPC										NO	NO	NO
NPGC										-	YES	YES

Reconciliation Between Open Access department of ERLDC and SLDCs, STUs

Sl. No.	STUs / SLDCs Name	Quarter-I (2018-19)	Quarter-II (2018-19)	Quarter-III (2018-19)	Quarter-IV (2018-19)	Quarter-I (2019-20)	Quarter-II (2019-20)	Quarter-III (2019-20)	Quarter-IV (2019-20)	Quarter-I (2020-21)	Quarter-II (2020-21)	Quarter-III (2020-21)	Quarter-IV (2020-21)	Quarter-I (2021-22)	Quarter-II (2021-22)	Quarter-III (2021-22)	Quarter-IV (2021-22)
	Date of Issuance	16-07-2018	15-10-2018	18-01-2019	18-04-2019	15-07-2019	16-10-2019	16-01-2020	16-04-2020	15-07-2020	14-10-2020	12-01-2021	13-04-2021	13-07-2021	11-10-2021	17-01-2022	28-04-2022
1	West Bengal - SLDC and STU	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	NO	NO	NO
2	DVC - SLDC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
3	OPTCL-SLDC and STU	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	NO
4	Bihar-SLDC and STU	NA	NA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO

Reconciliation Between Open Access department of ERLDC and Applicants

Sl. No.	Applicants Name	Quarter-I (2018-19)	Quarter-II (2018-19)	Quarter-III (2018-19)	Quarter-IV (2018-19)	Quarter-I (2019-20)	Quarter-II (2019-20)	Quarter-III (2019-20)	Quarter-IV (2019-20)	Quarter-I (2020-21)	Quarter-II (2020-21)	Quarter-III (2020-21)	Quarter-IV (2020-21)	Quarter-I (2021-22)	Quarter-II (2021-22)	Quarter-III (2021-22)	Quarter-IV (2021-22)
	Date of Issuance	25-07-2018	15-10-2018	17-01-2019	12-04-2019	11-07-2019	15-10-2019	16-01-2020	16-04-2020	14-07-2020	14-10-2020	12-01-2021	13-04-2021	13-07-2021	08-10-2021	17-01-2022	27-04-2022
1	Bihar State Power Holding Company Limited	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NA	NA	NA	NA	NA	NA
2	Calcutta Electric Supply Company	YES	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	GRIDCO Ltd	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO	NA	NA	NO
4	Jindal India Thermal Power Limited	YES	YES	YES	YES	YES	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5	Jharkhand Bijli Vitaran Nigam Limited	YES	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	NO	YES	YES	NO
6	NHPC Limited	NA	NA	NA	NO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	West Bengal State Electricity Distribution Company Lim	YES	YES	NO	NA	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES

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 2021-22	Total Deviation charges payable to pool during 2021-22	Average weekly Deviation Charge liability	LC Amount	Defaulting Weeks	Due date of expiry	Remarks
					(C)/52 weeks	110% of (B)			
		(A)	(B)	(C)	(D)	(E)	(G)	(F)	(G)
1	Bihar State Power Holding Corporation Limited / बिहार	41	41	21320.74	410.01	451.02	All Weeks	13-11-2022	LC opened for Rs. 21353049.
2	Jharkhand State Electricity Board / झारखंड	44	44	7539.19	144.98	159.48	All Weeks	22-11-2022	LC opened for Rs. 6873783
3	SLDC - UI FUND - WBSETCL / पश्चिम बंगाल	49	2	11830.03	227.50	250.25	Week-4, 40	No Valid LC	
4	Power Deptt, Govt. of Sikkim / सिक्किम	41	41	2725.25	52.41	57.65	All Weeks	No Valid LC	
5	NTPC / एनटीपीसी	37	2	6994.96	134.52	147.97	Week-14, 22	No Valid LC	
6	Maithon Power Limited / मैथन	14	1	136.99	2.63	2.90	Week-4	No Valid LC	
7	Adhunik Power & Natural Resources Limited / अधुनिक शक्ति	20	19	322.87	6.21	6.83	All Weeks except Wk-27	No Valid LC	
8	Gati Infrastructure Private Limited / गुजाचिन	9	6	33.66	0.65	0.71	Week-5, 12, 14, 15, 29, 30	No Valid LC	
9	GMR Kamalanga Energy Limited / जीएमआर	1	1	42.36	0.81	0.90	Week-7	No Valid LC	
10	Jindal India Thermal Power Ltd. / जिंदल	26	5	1202.22	23.12	25.43	Week-21, 26, 29, 38, 41	No Valid LC	
11	DANS Energy Private Limited - Operation Retention Account / डैन्स	49	26	1019.28	19.60	21.56	Week-1, 2, 3, 4, 5...	No Valid LC	
12	Powergrid Corporation Of India Limited-Sasaram / सासाराम	28	8	21.97	0.42	0.46	k-6, 16, 17, 18, 19, 20, 2	31-03-2023	LC opened for Rs. 46484
13	Sneha Kinetic Power Projects Pvt. Ltd./ दिकचू	15	1	82.48	1.59	1.74	Week-26	No Valid LC	
14	PGCIL-Alipurduar / अलीपुरदुआर	26	16	41.02	0.79	0.87	Week-3, 4, 6, 7, 9, 10...	31-12-2022	LC opened fro Rs 14629
15	Shiga Energy Private / शिगा ऊर्जा	44	26	789.57	15.18	16.70	Week-1, 2, 4, 9...	No Valid LC	
16	NABINAGAR POWER GENERATING CO. PVT LTD. / नबीनगर	16	1	607.86	11.69	12.86	Week-24	02-02-2023	LC opened for Rs 4736890
17	NABINAGAR POWER GENERATING CO. PVT LTD. - INFIRM	40	1	1151.76	22.15	24.36	Week-40	No Valid LC	
18	RONGNICHU HEP	24	6	110.97	2.13	2.35	Week-6, 7, 8, 10, 11, 15	No Valid LC	
19	PTC INDIA LTD.	6	1	198.04	3.81	4.19	Week-45	No Valid LC	

No. 40/1/2021-R&R
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, 18th March, 2021

To

CMD

NTPC, NHPC, DVC, NLC, SECI

PGCIL, POSOCO, SJVN, NEEPCO, THDC

Subject: Review of payment security mechanism for payment of dues by Discoms to Gencos and Transcos.

Sir,

As you are aware, a payment security mechanism has been operative since 01.08.2019 under which the payment for supply of power or transmission of electricity is secured through the Letter of credit or advance payment. This is required to maintain the viability of the power sector. The onset of Covid-19 pandemic in 2020 has affected the payment mechanism though Liquidity Infusion under Atma Nirbhar Bharat Abhiyan gave a window to Discoms to clear dues by availing loans from PFC/REC.

2. This Ministry has been receiving representations from the Gencos and Transcos with respect to non-payment of dues and accumulation of arrears. Hon'ble MOS(IC) for Power & NRE has reviewed the status of payment security mechanism on 01.03.2021. It was brought to the notice that even the current dues are not getting liquidated in time which is leading to accumulation of dues.

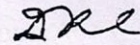
3. The following directions are hereby given to all the Central Gencos and Transcos for strict compliance:-

- a) Current bills after 01.02.2021 need to be liquidated in time. For current dues beyond specified number of days i.e. say 45 days, the LC (Letter of Credit) has to be invariably encashed. The power supply shall start only if there is a valid LC or if the advance payment is made by the Discoms.

- b) In case of accumulated dues of period before 01.02.2021, the Discoms and Gencos/Transcos must work out an installment plan for payment on monthly/bimonthly basis by the Discoms and any failure on part of DISCOMs/State Government to pay the said installments on time will result in the regulation of power supply and/or invocation of tripartite agreement between the State Government, Ministry of Power and the concerned Gencos/Transcos.
- c) Correct information is to be entered on the portal being maintained by POSOCO as per the standard operating procedure for scheduling of power with respect to LC issued by MoP.
- d) For regulation of power the Gencos and Transcos must give advance notice to the State Government and release daily Press Note to the general public and consumers to create awareness about the circumstances as stated above to initiate regulation and invocation of tripartite agreement to recover the dues.

4. All Central Gencos and Transcos are required to comply with the orders issued by the Central Government in this regard from time to time.

Yours faithfully,



(D. Chattopadhyay)

Deputy Secretary to the Govt. of India

Tel: 2371 5250

Email Id: debranjana.chattopadhyay@nic.in

Copy to:

- i. PS to Hon'ble MoS(IC) for Power and NRE
- ii. Sr. PPS to Secretary (Power),
- iii. PPS to AS(SKGR), PPS to AS(VKD), PPS to Senior Adviser
- iv. All Joint Secretaries/Chief Engineer of MoP
- v. CMD PFC, REC,

RPO Compliance 2021-22

States/UTs	Energy Supplied (MU)	Hydro (MU)	Energy Supplied excl. Hydro (MU)	Solar RPO (%)	Non-Solar RPO (%)	Total RPO (%)	Solar Obligation (MU)	Non-Solar Obligation (MU)	Total RE Obligation (MU)	Net REC Bought Solar (MU)	Net REC Bought Non solar (MU)	Net REC Bought Total (MU)	Net ISTS Import Solar (MU)	Net ISTS import Non Solar (MU)	Solar Generation (MU)	Non-Solar Generation (MU)	Total Generation (MU)	Solar Consumption (MU)	Non-Solar Consumption (MU)	Total RE Consumption (MU)	Actual RPO Achieved (%)	RPO Compliance (%)
Bihar			0			0.00%	0	0	0	0.0	0.0	0.0					0	0	0	0	#DIV/0!	#DIV/0!
DVC			0			0.00%	0	0	0	0.0	0.0	0.0					0	0	0	0	#DIV/0!	#DIV/0!
Jharkhand			0			0.00%	0	0	0	0.0	0.0	0.0					0	0	0	0	#DIV/0!	#DIV/0!
Odisha			0			0.00%	0	0	0	0.0	0.0	0.0					0	0	0	0	#DIV/0!	#DIV/0!
Sikkim			0			0.00%	0	0	0	0.0	0.0	0.0					0	0	0	0	#DIV/0!	#DIV/0!
West Bengal			0			0.00%	0	0	0	0.0	0.0	0.0					0	0	0	0	#DIV/0!	#DIV/0!

SUMMARY OF RRAS CHARGE RECEIPT AND PAYMENT STATUS**BILL UPTO 05-06-2022 (W-10 of 2022-2023)****Last Payment Disbursement Date 28.06.22**

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
NTPC	947.47016	512.35443	1215.82859	781.95654	1.243680
MPL	169.16152	159.33555	34.868	25.04203	0.000000
BRBCL	177.69417	139.78119	462.7636	424.85061	-0.000010
KBUNL	42.4833	16.19225	222.16216	195.87111	0.000000
NPGC	71.78132	12.31542	180.77569	121.3098	0.000010
TOTAL	1408.59047	839.97884	2116.39804	1549.03009	1.24368

Receivable: Receivable by ER POOL

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

SUMMARY OF AGC CHARGE RECEIPT AND PAYMENT STATUS**BILL UPTO 05-06-2022 (W-10 of 2022-2023)****Last Payment Disbursement Date 28.06.22**

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
NTPC	1654.38275	1654.38275	0.00000	0.00000	0.00000
NHPC	0.92470	0.92470	4.93270	4.93270	0.00000
MPL	928.68111	928.68111	0.00000	0.00000	0.00000
KBUNL	83.53935	83.53935	0.00000	0.00000	0.00000
NPGC	277.40975	277.40975	38.80104	38.80104	0.00000
TOTAL	2944.93766	2944.93766	43.73374	43.73374	0.00000

Receivable: Receivable by ER POOL

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

DETAILS OF DISBURSEMENT TO POWER SYSTEM DEVELOPMENT FUND

SI No	Nature of Amount	Amount transferred to PSDF (Rs in Lac)	Date of Disbursement	Remarks
1	Opening Balance (upto 31.03.2019)	95896.17		
2	Reactive Energy Charge	105.79	04.04.19	Reactive Charges_18-19
3	Reactive Energy Charge	287.48	03.05.19	Reactive Charges_18-19 & 19-20
4	Reactive Energy Charge	129.70	03.06.19	Reactive Charges_19-20
5	Reactive Energy Charge	207.84	04.07.19	Reactive Charges_19-20
6	Reactive Energy Charge	94.92	02.08.19	Reactive Charges_19-20
7	Reactive Energy Charge	188.54	02.09.19	Reactive Charges_19-20
8	Surplus DSM amount transferred	32210.52	24.09.19	DSM Charges_19-20
9	Reactive Energy Charge	173.06	01.10.19	Reactive Charges_19-20
10	Reactive Energy Charge	273.15	01.11.19	Reactive Charges_19-20
11	Reactive Energy Charge	401.10	04.12.19	Reactive Charges_19-20
12	Reactive Energy Charge	252.54	02.01.20	Reactive Charges_19-20
13	Reactive Energy Charge	148.66	07.02.20	Reactive Charges_19-20
14	Reactive Energy Charge	205.22	04.03.20	Reactive Charges_19-20
15	Bank interest from Reactive acct	0.22	03.04.20	Bank interest from Reactive acct
16	Reactive Energy Charge	843.03	03.06.20	Reactive Charges_19-20 & 20-21
17	Reactive Energy Charge	507.80	07.07.20	Reactive Charges_17-18,18-19 & 20-21
18	Reactive Energy Charge	309.41	06.08.20	Reactive Charges_17-18,18-19 & 20-21
19	Reactive Energy Charge	83.24	02.09.20	Reactive Charges_19-20 & 20-21
20	Bank interest of DSM A/C-TDS portion	251.65	18.09.20	Bank interest TDS portion transferred from POSOCO,CC
21	Bank interest of DSM A/C-TDS portion	15.65	22.09.20	Bank interest TDS portion transferred from POSOCO,CC
22	Reactive Energy Charge	118.86	06.10.20	Reactive Charges_20-21
23	Reactive Energy Charge	101.43	04.11.20	Reactive Charges_20-21
24	Reactive Energy Charge	82.35	04.12.20	Reactive Charges_20-21
25	Reactive Energy Charge	500.95	06.01.21	Reactive Charges of 19-20 & 20-21
26	Reactive Energy Charge	92.51	03.02.21	Reactive Charges of 19-20 & 20-21
27	Reactive Energy Charge	50.23	04.03.21	Reactive Charges of 19-20 & 20-21
28	Reactive Energy Charge	32.15	07.04.21	Reactive Charges of 19-20 & 20-21
29	Reactive Energy Charge	39.60	05.05.21	Reactive Charges of 19-20 & 20-21
30	Reactive Energy Charge	18.96	01.06.21	Reactive Charges of 20-21 & 21-22
31	Reactive Energy Charge	392.25	12.07.21	Reactive Charges of 20-21 & 21-22
32	Reactive Energy Charge	214.22	22.07.21	Reactive Charges 20-21
33	Addl. Dev	392.94	25.08.21	DSM Charges of 19-20 received from Jharkhand
34	Addl. Dev	5.99	03.09.21	DSM Charges of 19-20 received from Jharkhand
35	Reactive Energy Charge	330.73	09.09.21	Reactive Charges 21-22
36	Addl. Dev	1334.98	23.09.21	DSM Charges of 20-21 received from Bihar
37	Addl. Dev	500.00	27.09.21	DSM Charges of 20-21 received from Bihar
38	Addl. Dev	1500.00	29.09.21	DSM Charges of 20-21 received from Bihar
39	Addl. Dev	500.00	01.10.21	DSM Charges of 20-21 received from Bihar
40	Addl. Dev	1000.00	05.10.21	DSM Charges of 20-21 received from Bihar
41	Addl. Dev	402.60	05.10.21	DSM Charges of 20-21 received from Jharkhand
42	Reactive Energy Charge	131.06	07.10.21	Reactive Charges 21-22
43	Addl. Dev	1000.00	22.10.21	DSM Charges of 20-21 received from Bihar
44	Addl. Dev	1000.00	26.10.21	DSM Charges of 20-21 received from Bihar
45	Addl. Dev	539.21	28.10.21	DSM Charges of 20-21 received from Bihar
46	Reactive Energy Charge	224.71	03.11.21	Reactive Charges 21-22
47	Reactive Energy Charge	366.26	03.12.21	Reactive Charges 21-22
48	Reactive Energy Charge	5.34	09.12.21	Interest Amount received in Reactive Account
49	Addl. Dev	489.57	04.01.22	DSM Charges of 20-21 received from Jharkhand
50	Reactive Energy Charge	449.70	04.01.22	Reactive Charges 21-22
51	Reactive Energy Charge	547.41	04.02.22	Reactive Charges 21-22
52	Addl. Dev	7182.01	08.02.22	Excess amount after clearing Wk-43
53	Addl. Dev	103.38	28.02.22	DSM Charges of 20-21 received from Jharkhand and POSOCO C
54	Reactive Energy Charge	22.29	04.03.22	Reactive Charges 21-22
55	Reactive Energy Charge	978.22	08.03.22	Reactive Charges 21-22
56	Reactive Energy Charge	502.63	04.04.22	Reactive Charges 21-22
57	Addl. Dev	13586.90	02.05.22	Addl Dev Charge 21-22
58	Reactive Energy Charge	91.68	02.05.22	Reactive Charges 21-22
59	Addl. Dev	323.73	17.05.22	DSM Charges of 21-22 received from Jharkhand
60	Addl. Dev	223.19	31.05.22	DSM Charges of 21-22 received from Jharkhand
61	Addl. Dev	17070.56	02.06.22	DSM charges
62	Reactive Energy Charge	104.78	02.06.22	Reactive Charges 21-22
63	Addl. Dev	197.68	24.06.22	DSM Charges of 21-22 received from Jharkhand
64	Addl. Dev	32.98	24.06.22	DSM Charges of 21-22 received from DVC (Bhutan)
65	Addl. Dev	200.00	28.06.22	DSM Charges of 21-22 received from Jharkhand
	Total	185569.71		



पावरग्रिड
POWERGRID

पावरग्रिड मिथिलांचल ट्रांसमिशन लिमिटेड
POWERGRID MITHILANCHAL TRANSMISSION LIMITED

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड (भारत सरकार का उद्यम) की एक शत प्रतिशत स्वामित्व कम्पनी
100% Wholly Owned Subsidiary Company of Power Grid Corporation of India Limited (A Government of India Enterprise)

Ref: ER1/SS/STMH/ERSSXXI/

To,

Date:01.07.2022

Member Secretary,
Eastern Regional Power Committee
14, Golf Club Road, Tollygunge
Kolkata- 700033

Subject:- Rectification and charging of 400/132 KV 315 MVA ICT-III at DMTCL Motihari S/s

Sir,

This is in reference to 44th ERPC Meeting held at Kolkata on dtd 30.09.2021 wherein vide Item No. B1.3 has stated
"ERPC advised PMTL to submit the joint root cause analysis report within 15 days. ERPC further advised PMTL to take up the necessary rectification work of Bus-I so that 400/132 kV ICT-III may be charged at the earliest."

Considering the ERPC direction and requirement of the 400/132 KV ICT-III at Motihari due to increasing load at the said substation, order was placed upon M/s Parth Electricals (authorized Indian service partner of M/s TBEA Zonfa-OEM of the damaged material) by PMTL for rectification of the damaged module at PMTL's expenses/cost.

With active support of DMTCL, the failed module was successfully rectified and ICT-III was put under load on 08.06.2022 and is under successful operation since. Mail copy of ERLDC is attached for reference.

This is for your kind information and necessary action at your end please.

Thanking You.

(M.Q. Huda)

CEO/PMTL

पूर्वी क्षेत्र -I क्षेत्रीय मुख्यालय : बोर्ड कॉलोनी, शास्त्री नगर, पटना- 800023 (बिहार), दूरभाष : 0612-2283002, 2284082 (इपीएबीक्स)

Eastern Region -I RHQ. : Board Colony, Shastri Nagar, Patna - 800023 (Bihar), Tel. : 06122283002 (EPABX)

पंजीकृत कार्यालय : बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016, दूरभाष : 011-26560112, 26560121, 26564812, 26564892 सीआईएन : U40300DL2017G0I310436

Registered Office : B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016, Tel.: 011-26560112, 26560121, 26564812, 26564892, CIN : U40300DL2017G0I310436

Website : www.powergridindia.com

Saket Saurav {साकेत सौरव}

From: RTAMCPatna <rtamcer1@powergrid.co.in>
Sent: Wednesday, June 29, 2022 14:12
To: Saket Saurav {साकेत सौरव}
Subject: Fwd: Information regarding first time charging in ER on 08-06-2022

REGARDS
RTAMC PATNA
MOB-9771413600, 8544401068

From: erldccr@posoco.in
To: DVCSLDC@gmail.com, "sldc bseb" <sldc.bseb@gmail.com>, sldcgridco@yahoo.com, sldcranchi@gmail.com, wbsldc@gmail.com, "sikkim sldc" <sikkim.sldc@gmail.com>, "RTAMC Odisha" <rtamcodisha@powergrid.co.in>, "RTAMCPatna" <rtamcer1@powergrid.co.in>, "rtamc ER II" <rtamcer2oprn@powergrid.co.in>, nldccr@posoco.in
Cc: "konar s" <konar_s@posoco.in>, saugato@posoco.in, ficer@posoco.in, erldcso@posoco.in, erldcoutage@posoco.in, erldcscada@posoco.in
Sent: Wednesday, June 8, 2022 6:08:00 PM
Subject: Information regarding first time charging in ER on 08-06-2022

Sir/Madam,

First time charging of following elements done :

400KV/132KV 315 MVA ICT 3 AT MOTIHARI (DMTCL) first time loaded at 17:52 hrs on 08-06-2022.

This is for your information.

Regards,

A K Basak
ERLDC C/R

* This e-mail is an official email of Power System Operation Corporation Ltd (POSOCO), is confidential and intended to use by the addressee only. If the message is received by anyone other than the addressee, please return the message to the sender by replying to it and then delete the message from your computer. Internet e-mails are not necessarily secure. The Power System Operation Corporation Ltd.(POSOCO) does not accept responsibility for changes made to this message after it was sent. Whilst all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the POSOCO in this regard and the recipient should carry out such virus and other checks as it considers appropriate. Visit our website at www.posoco.in