



Minutes of 43rd CC Meeting

Date: 21.09.2020
Eastern Regional Power Committee
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Kolkata: 700 033

EASTERN REGIONAL POWER COMMITTEE

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MINUTES OF 43rd COMMERCIAL SUB-COMMITTEE MEETING OF ERPC HELD ON 21.09.2020 (MONDAY) AT 11:00 HRS THROUGH ONLINE MICROSOFT TEAMS

List of participants is at Annexure-A.

ITEM NO. A1: Confirmation of the minutes of the 42nd Commercial Sub-Committee meeting held on 25.02.2020.

The minutes of the 42nd Commercial Committee meeting were uploaded on ERPC website. No request for amendment has been received by ERPC Secretariat.

Members may confirm the minutes of the 42nd Commercial Sub Committee Meeting.

Deliberation in the meeting:

Members confirmed the minutes of 42nd Commercial Sub Committee Meeting.

PART B: ITEMS FOR DISCUSSION

ITEM NO. B1: Renewal of contract for all installed SEMs of Phase-1 and 2 including AMR of Eastern Region

Existing contract period for Support of AMR/AMC of Phase-1 and Phase-2 has been completed on 30-Jun-2020. **Total 656 SEM and 120 locations (129 DCU) are out of AMC scope since 30.06.2020.** Currently, maximum SEMs are out of AMC support (66% SEM, out of AMC). On a special request from PGCIL, TCS is continuing the AMC support for all 656 SEMs till now but further contract required to be renewed.

Considering the lockdown period since Mid of Mar-2020, maximum possible support has been provided by TCS and there is no major outage occurred for the weekly data availability of SEM.

TCS has submitted a techno-commercial proposal for renewal of their AMC Contract for another 5 years. Proposal value is total **4.98 Cr.** This proposal includes **05 years of comprehensive AMC support for all 656 meters and 129 DCUs including DCU replacement in 60 Locations.** As currently there is no active contract present with TCS for the AMC support, placing of AMC renewal LOA needs to be completed on priority basis. Based on the offer price submitted by TCS, now it is proposed to finalise the AMC contract on single tender basis with M/S. TCS.

Brief Scope of Work:

1. Comprehensive AMC support for the meters (656 SEM and 129 DCU) which have been installed in AMR Phase1 and Phase 2.
2. AMC support includes replacement of Hardware which are installed at various Sub Stations (like DCU, Cables, PVC pipes, MOXA converters etc). Hardware replacement will be done as and when required.
3. As all DCU have already covered the service period (05 years plus), DCU replacement will be required. 60 number of DCUs have been considered for replacement in this proposal. (By considering the present scenario and future planning for faulty DCU replacement).
4. If more DCUs are required, then separate proposal will be submitted for the DCU replacement.
5. Connection of replaced meters will be done.

In view of the above, the proposed value of AMC contract is ₹ 4.98 Cr which includes

- *05 years of comprehensive AMC support for all 656 meters and*
- *129 DCUs including DCU replacement in 60 Locations*

Members may discuss and concur

Deliberation in the meeting:

POWERGRID representative informed that the existing contract period for Support of AMR/AMC of Phase-1 and Phase-2 has been completed on 30-Jun-2020. All 656 SEM and 120 locations (129 DCU) are out of AMC scope since 30.06.2020.

Further, he added that offered price of AMC amounting ₹ 4.98 Cr maybe negotiated and the final price would be intimated to ERPC Secretariat.

170th OCC in-principle agreed for renewal of contract for all installed SEMs of Phase-1 and 2 including AMR since it is very much required in the interest of grid maintenance.

Members of Commercial Sub-Committee recommended for financial approval and also advised POWERGRID to place the revised value of AMC contract after negotiation before ERPC Secretariat.

It was decided to refer this to the next TCC/ERPC meeting for further concurrence.

ITEM NO. B2: Procurement of new SEMs

In 30th ERPC meeting procurement of 965 no of SEM's and 110 nos of Laptop/DCD (in 111th OCC meeting) was approved. Further 31st TCC/ERPC approved the cost sharing mechanism of expenditure on SEM's and DCD/Laptops along with POWERGRID overhead charges @ 15%

to be shared by the beneficiaries constituents of Eastern Region in proportion to the share allocation for the month in which the proposal was approved in the ERPC meeting.

In 35th CCM held at ERPC on 02.08.17, PGCIL informed that in 1st phase, 300 meters and 40 laptops with software had been supplied by M/s Genus so far.

In 145th OCC, PGCIL informed that 300 meters of 2nd lot has been supplied. Time drifted meters are being replaced by Genus meters phase wise. In 38th CCM, PGCIL informed that remaining 364 nos. of meters have been delivered.

As per decision of 42nd TCC/ERPC meeting and 41st CCM, the testing and calibration of old and highly-time drifted SEMs are to be carried out by Powergrid and accordingly the priority list of 314 SEMs is prepared by ERLDC and shared it in 42nd TCC meeting.

In 168th OCC meeting, Powergrid informed that the matter regarding testing & calibration and time drifting has been taken up with concerned vendors involved in testing and calibration. Powergrid also informed that the Vendors are ready for doing the testing, however they are not ready to set time drifting as it is only possible through OEM i.e. L&T. The matter has also been taken up with OEM (M/s L&T), who have confirmed that the heavily time drifted meter shall require to be sent to factory for time correction. Powergrid informed in 168th OCC meeting that time correction of old meters is not possible. Powergrid further added that testing and calibration of old SEMs would cost around Rs 9000 / unit whereas cost of new SEM would be around Rs 12000/ unit.

In 168th OCC meeting, it was decided that since time correction is not possible it would be better to buy new SEMs instead of going for calibration & testing also advised ERLDC to place the requirement of SEMs in next OCC meeting.

Accordingly, ERLDC proposed to procure 300 energy meters and the details of the same is already shared in 42nd TCC meeting.

In 169th OCC, Powergrid informed that they have already placed the order for 300 energy meters as a repeat order. ERLDC also informed that all the energy meters will be utilised in 2020-21 and there would be a requirement of additional 300 energy meters approximately to replace the old and time drifted SEMs. Powergrid added that still there is a scope to place the repeat order for 180 SEMs in the existing contract. ***In view of the of the above ERLDC proposed for procurement of another 120 meters with same terms and condition and price.***

OCC advised POWERGRID to process for purchase of 180 SEMs under the existing contract and recommended that post facto approval of the same may be taken in the next CCM/ERPC meeting.

POWERGRID may update and CCM may concur.

Deliberation in the meeting:

ERLDC informed that in the 169th OCC meeting it was agreed that there would be a requirement of additional 300 SEMs to replace the old and time drifted SEMs. In the same meeting it was also decided to procure 180 SEMs out of this additional 300 SEMs with same terms and conditions of the existing contract. Powergrid agreed to the same.

In the meeting, ERLDC further proposed to purchase the remaining 120 SEMs with same terms and condition and price as in the existing contract.

Powergrid informed that they have re exercised the quantity variation clause of the contract and it is possible to place repeat order for additional 120 SEMs besides the earlier placed order for 180 SEMs with existing terms and conditions.

Commercial Sub-Committee members agreed in principle to the proposal for procurement of additional 120 SEMs as per requirement. The details of Make & model, terms and conditions of the contract and the tentative time required for supply of meters would be shared in the next OCC meeting.

**ITEM NO. B3: Issues related to Reserve Shut down (RSD) of ISGS -BSPHCL
Agenda**

It is to submit that whenever an ISGS Unit is taken under RSD, the stakeholders of ISGS Unit, having lower share has to bear huge loss due to the applicability of fixed charges of respective power share quantum allotted to them. In this case, even if the stakeholder with lower share (minority stakeholder) requires its power share quantum, the same cannot be availed as it is not scheduled because of technical minimum generation limit as per the regulations.

In order to fulfill the minority stakeholder requirement, following alternative options are suggested:

1. In case, a Generator Unit has multiple stakeholders and a few majority stakeholders exceeding 45% of power share (either individually or collectively) decides to take this unit under RSD then as per the existing provisions, the unit is put under RSD and those stakeholders who hold less than 45% of power share (either individually or collectively) are made to pay fixed charges without consenting to RSD of the Unit. It is proposed that in such cases the Generator should try to fulfill the requirement of minority stakeholders either by offering the balance quantum (out of technical minimum generation) to the minority stakeholders or to explore the possibility of selling the un-requisitioned quantum (out of technical minimum generation) in Open Market. If any loss is incurred in this arrangement, it may be realized from those stakeholders who have requested for RSD.

2. As the unit is taken under RSD at the request of majority stakeholder, the Generator should raise the fixed charges bill of minority stakeholder in the account of majority stakeholder as the minority stakeholder is fulfilling its requirement from other sources and is paying for same.
3. Majority stakeholder may be offered to buy the quantum of power which enables the Generator to meet the technical minimum generation requirement after accounting for the minority stakeholder for the Unit.
4. In case the unit is taken under RSD, the Generator should make arrangement to fulfill the share of minority stakeholder from other sources. The beneficiaries shall continue to bear the capacity charges corresponding to Total DC.

BSPHCL may explain & Members may discuss.

Deliberation in the meeting:

BSPHCL representative explained the issue faced by Bihar during RSD of a unit where they have minor share allocation. He cited the problem faced by them due to RSD of a unit in FSTPS-I in recent times. He explained that when majority shareholders forgo their entitlement of power from a unit, the unit goes under RSD due to technical minimum requirement. As a result, minority shareholders like Bihar does not get their share of power even if they have put full requisition for their share of entitlement.

He added that in spite of paying the fixed charges and putting requisition for their share of allocated power, they do not get the power which is against principle of natural justice. He proposed a no. of proposals as mentioned in the agenda to address the above issue.

NTPC informed that the fixed charge liability of the beneficiary is due to their longterm contract for power requirement and it is as per the regulation.

NTPC added that whenever the minority shareholder requires power from a RSD unit, they can schedule the power from same RSD unit by giving requisition for power upto the technical minimum quantity provided they have requirement for higher quantity of energy. In this case they do not have to pay any fixed charges for additional power scheduled up to the technical minimum quantity of the unit and the fixed charges for additional share would be payable by original beneficiaries.

ERLDC informed that in case of RSD of the unit, the power requirement of the minority shareholders can be arranged in Real Time Market or through URS provision. They added that whenever the minority shareholder put their full requisition of power from a off bar

unit, the URS power available in the on-bar unit of the same station get automatically allocated to them.

BSPHCL representative informed that URS power is not a reliable option.

WBSEDCL representative proposed that in case any of the units of a Generating Station goes under RSD due to under requisition of a major beneficiary, the entire surrendered entitlement of that major beneficiary should be directly curtailed from its real time entitlement instead of proportionate curtailment which is followed at present. ERLDC responded that according to IEGC scheduling procedure it is not possible.

ERPC Secretariat opined that present scheduling and shutdown procedure is as per the Detailed Procedure which was adopted by the CERC and we don't have any clear guidelines from CERC to address the present issue. Further, it was informed that similar concerns were also raised by the Southern Region beneficiaries. Therefore, the issue is in the knowledge of CERC.

After detail deliberation, Members agreed that the issues faced by minority beneficiaries in case of unit RSD are real and need to be addressed. Members opined that there is a need to review the detailed operating procedure for RSD to suitably address the concerns of minority beneficiaries.

ITEM NO. B4: Settlement of COD issues of Mangdechhu Generating Units & Payment for energy exported from Mangdechhu from June-August 2019

The PPA for sale/purchase of power of Mangdechhu Hydroelectric Project (MHEP) was signed between DGPC & PTC India Ltd. on August 15, 2019. The COD of each unit as intimated to NLDC & ERLDC prior to declaring COD of the individual generating unit are as below:

Unit No. 1 – June 28, 2019 at 12.30 Hrs.
Unit No. 2 – July 08, 2019 at 12.30 Hrs.
Unit No. 4 – August 14, 2019 at 12.30 Hrs.
Unit No. 3 – August 16, 2019 at 23.30 Hrs.

The energy exported by MHEP during June-August 2019 was billed to PTC India on September 06, 2019. The bill included the energy exported from June 16, 2019 (the synchronization date of 1st Unit of MHEP) to 12.30 Hrs (BST) of September 01, 2019. The infirm power (18.370 MU - Losses) was also included in the bill for export as MHEP was not connected to the Bhutan grid during the entire billing period. Therefore, all generation from MHEP for the period got physically exported to India.

Vide letter No. C/PTC/DGPC/MHEP/2833 dated September 26, 2019, PTC India had informed the following:

- A special meeting was convened by ERPC along with the beneficiary states, ERLDC & PTC on September 25, 2019
- COD of last generating unit (Unit No. 3), which is August 16, 2019 shall be considered as the COD of the Project
- Tariff of Nu. 4.12 shall be with effect from the date of COD of the Project as per Inter-Government Protocol dated April 23, 2019
- Energy injected from June 16 – August 16, 2019 shall be considered as energy consumed internally in Bhutan and upward adjustment in energy export by THP, CHP & KHP shall be considered in the ratio as per REA of June, July & August 2019
- As long as the interim arrangement for the MHEP power flowing through 400 kV Mangdechhu – Jigmeling - Punatsangchhu II – Alipurduar link remains, the energy accounting for MHEP shall be done at Indo-Bhutan international border.

The following issues are majorly requested by DGPC:

- i. PTC India to release the balance amount as per provisional REA
- ii. The issue of COD for accounting of MHEP energy as per the individual COD of units to be accepted, accordingly the provisional REA to be revised.

The 42nd Commercial Sub-Committee Meeting (CCM) of ERPC held on Feb 25, 2020 had advised PTC India to clarify with the Ministry of Power (MoP, GoI) as to the consideration of individual Unit's COD of Mangdechhu project for accounting.

DGPC & PTC may respond.

Deliberation in the meeting:

Regarding the issue of payment for energy exported from Mangdechhu HEP, ERPC secretariat informed that a special meeting was convened by ERPC Secretariat on 14.08.2020 with ERLDC, PTC and beneficiaries of MHEP for early liquidation of outstanding amount to Bhutan as per provisional REA account issued by ERPC.

Subsequently, ERLDC started liquidating the outstanding dues to the beneficiaries of MHEP for onward payment to PTC. The details of payment transferred as on 14.09.2020 is at Annexure-B3.

DGPC, Bhutan representative requested PTC for settlement of the balance amount as early as possible. Further, he requested to consider the individual Unit's COD of MHEP project for commercial accounting purpose.

PTC representative informed that the amount released by the beneficiaries to PTC is being transferred to DGPC, Bhutan without any delay. However, it is observed that some beneficiaries are not releasing the payments even after receipt of the same from ERLDC.

Hence, they requested to all the beneficiaries of MHEP to liquidate the payment without any delay.

Commercial Sub-committee advised all the concerned beneficiaries of MHEP to release the payment to PTC on priority basis as soon as they receive the same from ERLDC. Further PTC was advised to follow up with the beneficiaries for immediate transfer of the received amounts.

As far as 2nd issue of MHEP is concerned, ERPC Secretariat informed that as per the Inter-Governmental Agreement dated April 23, 2019 between Govt. of India and Royal Govt. of Bhutan, CoD of project shall be considered for the purpose of scheduling and accounting of Mangdechhu HEP power. Further, it was intimated that in 42nd CCM, PTC was advised to obtain necessary clarification from Ministry of Power, Govt. of India on whether the COD of individual unit or COD of the Mangdechhu HEP Project shall be taken for scheduling and accounting purpose.

PTC representative informed that the matter has already been taken up with MoP, GoI and MoP has advised CEA to convene a meeting in this regard. However due to Covid-19 lockdown the meeting could not be materialized till date. They further informed that CEA has planned to convene a meeting with PTC and the stakeholders of MHEP in the 1st week of October, 2020 to resolve the issue.

Commercial Sub-committee advised PTC to invite the DGPC, Bhutan also for the meeting.

ITEM NO. B5: Primary Frequency Response (PFR) Testing of Generating Units

NLDC vide letter dated 10th August 2020, communicated a procedure to be considered for Commercial Settlement during onsite testing of generators for Primary Response of regional generating units. Details are enclosed at **Annexure-B1**.

In 170th OCC meeting, ERLDC informed that as per IEGC regulations, Primary Frequency Response Testing of generators is a mandatory activity. It was informed that for compliance of the above regulations, selection of the vendor has already been completed and all the generators including IPP's and ISGS's have been informed accordingly. ERLDC further informed that all the power stations of ER except TSTPS-Kaniha, Adhunik, BRBCL, NPGC, Teesta-V & Dikchu have placed their LOA with **M/S Solvina**.

ERLDC mentioned that generally the testing would be carried out in three steps of generation level for each of the generating unit. The subjected generating unit must maintain the schedule to the desired level of generation during the period of testing in all the 3 steps.

- For the Generating Stations which are having multiple units while testing at a particular level of a unit, the total schedule of that station can be maintained by adjusting generation in the remaining units.

- For Generating Stations which are having only one functional unit during testing can maintain their schedule by purchase or sale of power from Real Time Marketing.
- For hydro-generators the testing may preferably be done during the period of receding monsoon. Therefore, it was clarified that normal DSM charges would be applied during the period of testing.

After detailed deliberation, OCC felt that it is desirable to know the duration of the test and its possible impact on the scheduling to decide the commercial mechanism proposed in ***Annexure-B1***.

ERLDC informed that they are planning to hold a meeting with the testing agency, all regional generating stations and SLDC's wherein the testing procedure of all three steps viz. Full Load, 80% of Full Load and Technical Minimum would be discussed.

OCC advised all the remaining ISGS and IPP generators to place the LOA and give a schedule of the test beforehand so that beneficiaries are informed in advance and the same can be discussed in the upcoming OCC Meetings.

The proposed Commercial Settlement mechanism for primary frequency response testing of Generating Units may be discussed and give the concurrence.

Members may discuss and concur.

Deliberation in the meeting:

It was informed that PFR testing of Generating units is technical as well as regulatory requirement as mandated by IEGC regulation. In the interest of Grid safety and security all the generators and beneficiaries agree for the PFR testing.

OCC has given the in-principle approval for conducting the PFR testing. All the technical and operational issues have already been discussed in 170th OCC meeting. Further, it was decided that the option:1 of Annexure-B1 as quoted below will be the viable option of the given alternatives for scheduling and accounting during the above period.

“Option-I: Generators themselves arrange for the schedule as being done for all other tests such as PG tests etc.

a. Through their long term and medium-term beneficiaries and beneficiaries agree for such scheduling by RLDCs during testing period.

b. Through sale in Real Time Market by generators”

After detailed deliberation, it was also agreed the Normal Deviation settlement Mechanism (DSM) Regulations may be applicable during the testing period in line with other testing

methods. DC declared by the generator shall remain intact during the period of testing. Further, it was agreed that part load compensation mechanism for generators shall be suspended during the period of primary frequency response testing.

Commercial Sub-Committee agreed for the proposed Commercial Settlement mechanism of primary frequency response testing of Generating Units.

ITEM NO. B6: Replacement of GPRS communication with Optical fibre for AMR

In ER, approximately 80% meters are connected through Automated Meter Reading (AMR). At present the communication system 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. TCS has successfully connected 02 locations (Subhasgram-PG and Binaguri-PG) in ER-II with PGCIL intranet and these two locations are smoothly reporting to AMR system after connecting with PGCIL LAN. The proposed network will not only provide better communication but also reduce the cost of GSM.

In 40th CCM, POWERGRID requests all the constituents to share the available optical fibre network connectivity for further configuration to Optical connectivity. This will also help to reduce the maintenance cost of AMR, as recurring cost towards SIM cards may be avoided in that case.

In 41st CCM, BSPTCL representative informed the required details of optical fibre network connectivity have been shared to POWERGRID for configuration AMR Optical connectivity. POWERGRID informed that they have not received any response from other constituents on this matter. All the constituents were advised to explore the possibility of Optical fibre network connectivity instead of GPRS for communication AMR system as this will significantly enhance the reliability of the system. The matter was referred to forthcoming TCC meeting for concurrence.

In 42nd TCC/ERPC, TCC advised all the other constituents to share the details of optical fibre in Test Meeting scheduled to be held on 20th December 2019, so that POWERGRID could carry out the configuration of AMR connectivity.

In 42nd CCM, all other constituents were advised again to explore the possibility of Optical fibre network connectivity instead of GPRS for communication with AMR system as this will significantly enhance the reliability of the system.

However, M/s TCS has confirmed that total 37 locations out of 40 have been connected with LAN and the status is enclosed in **Annexure-XIII**.

POWERGRID & Constituents may please update status.

Deliberation in the meeting:

POWERGRID representative informed that Pandiabil S/S of POWERGRID and Mejia S/S of DVC have been connected to AMR through Optical fibre network in the month of January-2020 and August-2020 respectively. This will significantly enhance the reliability of the system.

Further, it was informed that Bihar OPGW system has some IT associated issues like protocol, SIM card and media converter related problems. However, as informed by POWERGRID, the same would be resolved by the end of the September-2020.

All the other constituents were advised to explore the possibility of Optical fibre network connectivity instead of GPRS for communication with AMR system as this will enhance the reliability of the system.

ITEM NO. B7: Removal of Meter from identified locations of ER

It is identified that total 49 nos of SEM are installed at various locations of Eastern Region which are not in use and as well as not accommodated as per CEA metering Regulations. This situation is mainly raised due to modification of old network system and change in control area jurisdiction.

The list of non-usable meters is available in *Annexure- XIV*. These meters may be utilized in some other locations of ER with the new synchronization of grid elements. In 42nd CCM, POWERGRID informed that unutilized meters from Mejia station have been collected and tested.

The respective constituents were again requested to remove the unutilized meters at the specified locations of their substations and the same could be collected by PGCIL after intimation.

Further, the healthiness of meters would be checked and the same could be utilized by the constituents wherever it is required.

POWERGRID may update.

Deliberation in the meeting:

POWERGRID representative informed that unutilized meters from few locations have been collected and tested. The respective constituent members were again requested to remove the

unutilized meters at the specified locations, given at Annexure- XIV, of their substations and the same could be collected by PGCIL after intimation.

All the respective constituents are requested to intimate the status of unutilized meters at their end and same maybe communicated to POWERGRID to collect the meters. Further, the healthiness of the meters would be checked and the same could be utilized by the constituents wherever it is required.

ERLDC and POWERGRID were advised to update the status in the remarks of the annexure-XIV and the same may be placed in the forthcoming OCC meeting.

ITEM NO. B8: 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 guide lines 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. It was decided to place this agenda in forthcoming TCC meeting for further approval.

However, on request of NVVN-SNA-Bhutan, ERLDC has registered them and issued acceptance letter on 13.05.2020. NVVN may inform from which date as they act settlement nodal agency for transaction of power with Bhutan.

NVVN may update

Deliberation in the meeting:

NVVN representative was not present in the meeting.

It was decided that ERPC secretariat would write a letter to NVVN for updating the status of necessary agreement with TPTCL to take over all the responsibilities of nodal agency from TPTCL for Dagachhu HEP transactions.

ITEM NO. B9: Meter reporting & recording related issues – ERLDC Agenda

B9.1. 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 premises 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 40th CCM, all constituents were requested to adhere to the schedule as per IEGC.

i) Non-Receipt of SEM data from Arah, Dehri & Sipara of BSPHCL

Ara (BSPTCL), Dehri (BSPTCL), FATUA (BSPHCL), JAGDISHPUR(BSPHCL), 132 kV Rajgih (BSPHCL), 132 kV Nalanda (BSPHCL) are not being received by ERLDC due to AMR related Issue. SEM data of the above locations were downloaded by ERLDC from AMR. Now, due to AMR problem at BSPTCL s/s was requested to send the data of meter from above locations by downloading at their end till restoration of AMR. M/s TCS has informed verbally that due to network failure, data is not available with AMR.

In 42nd CCM POWERGRID informed that the AMR related issues of Ara & Dehri would be resolved at the earliest.

It was observed the issue of non-Receipt of SEM data from Arah, Dehri & Sipara of BSPHCL was a long pending issue.

- ii) 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 BSPTCL (Kishangunge, Motipur, Fatua, Nadhokar) & SIKKIM.

BSPHCL may please respond and POWERGRID may update

Deliberation in the meeting:

BSPHCL representative assured that the meter reading from the mentioned locations would be collected and forwarded in timely manner till the restoration of AMR system.

POWERGRID informed that the AMR related issues of Bihar system would be resolved by the end of September, 2020.

Further, BSPHCL was suggested to resolve the issue at the earliest.

- iii) **Non-receipt of SEM data:** WBSETCL (North Bengal, Gazole, Bidhannagar Alipurduar and Ramman,kalinpong) are not getting energy meter data since lock-down.

WBSETCL may respond.

Deliberation in the meeting:

West Bengal representative informed that the matter would be resolved at the earliest and assured that the requisite data would be sent by the end of Sept-2020.

All respective constituents were advised to send the weekly SEM data in time for seamless transfer of processed data for preparation of weekly commercial accounts.

iv) Erroneous reading of meters of PG (ER-I):

Ranchi New:

- Zero reading at 765kV end 765/400kV ICT#1 (NP-7848-A)
- Zero reading at 400kV end 765/400kV ICT#1 (NP-8756-A)
- Zero reading at 765kV end 765/400kV ICT#2 (NP-7846-A)

Kishanganj:

- Recording less reading for 220kV side of ICT#1 (ER-1330-A)
- Recording less reading for 220kV side of ICT#2 (ER-1438-A)

Non-functioning/Defective Meters should be replaced/repared to avoid above cited issues further.

Recently, Waria (DVC), Bidhannagar (WB), Sonenagar (Bihar) and few other stations internet activation of SIM got failed as result such meters is not reporting to ERLDC server.

PGCIL may please explain.

Deliberation in the meeting:

POWERGRID representative assured that the issue of erroneous reading of meters at Ranchi New and Kishanganj substations would be resolved at the earliest.

ERLDC informed that the issues of non-reporting or erroneous recording of meter data of EHV stations is very crucial and requested POWERGRID to resolve it on priority basis.

B9.2. Reverse polarity issues of Energy Meter in ER

The following reverse polarity issues communicated many times over phone and mail. However, the same not resolved yet.

- i) **Patna (PG):** SEM (ER-1311-A) installed at **220 KV SIDE OF 500 MVA PATNA ICT-2** at Patna end reads with reverse polarity. In 42nd CCM, PGCIL representative assured the issue would be resolved at the earliest **but the matter not resolved yet.**
- ii) **Gaya (PGCIL):** Reverse polarity observed at **(765/400) HV side meter of ICT#4** (ER-1448-A) and LV side meter of ICT#4 (ER-1449-A).
- iii) **Maithon (PG):**
 - a. Polarity reversal of LV side meter of ICT#1 (ER-1045-A)
 - b. Polarity reversal of LV side meter of ICT#2 (ER-1010-A)
- iv) **Alipurduar (PG):**
 - a. Polarity reversal of HV side meter of ICT#1 (ER-1465-A)
 - b. Polarity reversal of LV side meter of ICT#1 (ER-1463-A)
 - c. Polarity reversal of HV side meter of ICT#2 (ER-1469-A)
 - d. Polarity reversal of LV side meter of ICT#2 (ER-1467-A)
- v) **Binaguri (PG):**
 - a. Polarity reversal of LV side meter of ICT#1 (ER-1736-A)
 - b. Polarity reversal of LV side meter of ICT#2 (ER-1713-A)
 - c. Polarity reversal of HV side meter of ICT#2 (ER-1539-A)

PGCIL may update the issue

Deliberation in the meeting:

ERLDC informed that the reverse polarity issue of Maithon (PG) had been resolved.

POWERGRID representative informed that reverse polarity issues of Alipurduar, Binaguri Gaya, Patna substations of PG would be resolved by end of September-2020 and the same would be intimated to ERLDC.

ITEM NO. B10: Payment/Receipt Status from various pool accounts in ER – ERLDC Agenda

B10.1. Payment of Deviation Charge – Present Status.

The status of Deviation Charge payment as on 10.09.2020 is enclosed at **Annexure – I**. The current principal outstanding Deviation Charge of BSPHCL, JBVNL and GMR is **₹ 58.51 Cr, ₹ 9.56 Cr & ₹ 11.14 Cr** respectively considering bill up to 31.08.2020. ERLDC is regularly giving reminders to BSPHCL, JBVNL & GMR and others defaulting entity to liquidate the outstanding Deviation charges.

Further, SIKKIM is not paying DSM charges on regular basis and waiting for adjustment with the receivable amount. SIKKIM may please liquidate the payable amount within due date instead of waiting for adjustment.

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

Deliberation in the meeting:

ERLDC informed that the outstanding Deviation charges of BSPHCL, JBVNL and GMR are ₹ 39.96 Cr, ₹ 10.01 Cr & ₹ 6.40 Cr respectively considering bill up to 21.09.2020.

Bihar representative assured to pay the outstanding dues at the earliest.

GMR representative was not present in the meeting.

JBVNL & Sikkim representatives informed that the outstanding dues of deviation charges would be cleared by 1st week of October,2020.

All constituents are requested to liquidate the outstanding dues at the earliest.

B10.2. Interest due to delayed payment of deviation charges

- a. Due to delayed payment of deviation charges in DSM Pool in FY 2019-20, interest was computed for all the DSM Pool Members. The statement of interest amount as on 30.06.20 is enclosed in ***Annexure-II***. Bihar, Jharkhand Sikkim, APNRL, Chuzachen , GMR, HVDC Alipurduar, OPGC (Gridco) and Dikchu are requested to clear the dues.

Sikkim, APNRL, Chuzachen, GMR, HVDC Alipurduar, OPGC(Gridco) and Dikchu may please confirm the program for payment of Interest on account of delayed payment.

Deliberation in the meeting:

Members noted.

- b. CERC has approved detailed procedure for Ancillary Services Operations vide ref no.: 1/10/2012- Reg.Aff.(REC-Gen.)/CERC dated 21st November, 2016. As per para 13.9 & 13.10 of detailed procedure Interest for delay payment for RRAS Providers has been calculated for FY 2019-20. An amount of **₹ 44.42492** lacs has been accumulated towards RRAS interest for FY 2019-20 and the same is enclosed in ***Annexure-II***.

This is for information.

Deliberation in the meeting:

Members noted.

- c. The total principal outstanding (bill up to 06.02.2019) of M/s IBEUL is of ₹ **112.50429 lakh** and interest calculated up to 29.05.2019 is of ₹ **26.75383 lakh**. A petition (petition no.-230/MP/2018 dated 16.04.2019) in CERC had been filed in July, 2018 by ERLDC against M/s IBEUL for violation of Regulation 10 of DSM regulations 2014. Hon'ble commission directed in order against this order dated 16.04.2019 that the Petitioner is at liberty to approach NCLT (National Company Law Tribunal) for appropriate directions in accordance with law. Further, ERLDC has filed a claim as mentioned above in NCLT on 31.05.2019 and the same is admitted by NCLT. Hence, the final principal outstanding of Rs. Rs.112.50429 lakh and interest calculated up to 29.05.2019 is of Rs.26.67585 lakh may be considered and recorded.

This is for information.

Deliberation in the meeting:

Members noted.

B10.3. Reactive Energy Charges --- Present Status.

The updated position of Receipt/Payment of Reactive Energy Charges in the pool as on 10.09.2020 is indicated in ***Annexure – III***. The total outstanding receivable on account of Reactive charges from Bihar, JUVNL are ₹ **2.5 Cr.**, ₹ **1.04 Cr** respectively. WBSETCL and GRIDCO are regularly paying the reactive charges. Again, an amount of ₹ 86.79 on account of Reactive Charges is not paid by SIKKIM.

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

Deliberation in the meeting:

BIHAR, JBVNL & SIKKIM representatives agreed to pay outstanding reactive dues by the end of September-2020.

B10.4. 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 on 10.09.2020 (considering bill up to 23.08.2020) is indicated in ***Annexure – IV***. So far ₹ **119.83 Cr** was settled under RRAS in ER during FY 2020-21.

This is for information.

Deliberation in the meeting:

Members noted.

B10.5. AGC Account ----Present Status

The updated position of Payments to the AGC Provider (i.e Barh) from the DSM pool and Payments by the AGC Provider to the DSM pool as on 10.09.2020 (considering bill up to 31.08.20) is indicated in *Annexure – IV*.

This is for information.

Deliberation in the meeting:

Members noted.

B10.6. Congestion account - Present Status

No Congestion in ER is imposed since 06.12.2012. The status of congestion charge payment after full settlement is enclosed at *Annexure –V*

This is for information.

Deliberation in the meeting:

Members noted.

B10.7. Status of PSDF

An amount of ₹ 19.49 Cr from Reactive account have been transferred to PSDF after 42nd Commercial sub-committee meeting held on 25.02.20. With this the total amount of ₹ 1323.18 Cr has been transferred to PSDF so far. The break up details of fund transferred to PSDF (till 10.09.20) is enclosed in *Annexure V*.

This is for information.

Deliberation in the meeting:

Members noted.

ITEM NO. B11: Reconciliation of Commercial Accounts – ERLDC Agenda

B11.1. Reconciliation of Deviation Accounts

*At the end of 1st quarter of 2020-21, the reconciliation statement (Period: 01.04.20 to 30.06.20) has been issued by ERLDC on 15.07.20 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 & comments if any to be reported to ERLDC at the earliest. The status of reconciliation is enclosed in **Annexure-VI**.*

For Q4 of F.Y 2019-20 → Bihar, Sikkim, JITPL BRBCL, PGCIL (ER-I & II), NPGC not yet signed the reconciliation.

For Q1 of F.Y 2020-21 → WEST BENGAL, Dans Energy, TUL and Dikchu **has only signed the reconciliation statement**, hence all other members are requested to send the signed copy the statement.

All above constituents are once again requested to submit the signed reconciliation statement at the earliest.

Deliberation in the meeting:

ERLDC informed that except for Bihar, Sikkim & OPGC all other constituents reconciled their statements for Q4 of F.Y 2019-20. Further, they added that Bihar, Sikkim, NHPC, MPL, KBUNL, GATI, GMR, JITPL, POWERGRID (ER-II) & OPGC have not yet reconciled their statements for Q1 of F.Y 2020-21.

BSPHCL, Sikkim & DVC POWERGRID (ER-II) agreed to send the reconciliation by end of September-2020.

All other constituents are requested to send the reconciliations at the earliest.

B11.2. Reconciliation of Reactive Account

At the end of 1st quarter of 2020-21, the reconciliation statement (Period: 01.04.20 to 30.06.20) has been issued by ERLDC on 15.07.20 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-VII**.

For 3rd & 4th quarter of FY 19-20 → BSPHCL, JUVNL, GRIDCO, WBSETCL and SIKKIM have not yet reconciled the account.

For 1st quarter of FY 20-21 → BSPHCL, JUVNL & SIKKIM have not reconciled the account

All above constituents are once again requested to submit the signed reconciliation statement at the earliest.

Deliberation in the meeting:

GRIDCO, WBSETCL updated that they had submitted their reconciled statements.

BIHAR, Jharkhand and Sikkim informed that the reactive statements would be reconciled by the end of September-2020

B11.3. Reconciliation of RRAS, FRAS & AGC Account

At the end of 1st quarter of 2020-21, the reconciliation statement (Period: 01.04.20 to 30.06.20) has been issued by ERLDC on 15.07.20 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/>. The status of reconciliation is enclosed in ***Annexure-VII***.

NPGC & MPL have not reconciled the account for 1st quarter of FY 20-21.

Deliberation in the meeting:

NPGC and MPL were not present in the meeting.

B11.4. Reconciliation for STOA payments made to SLDC / STU:

The reconciliation statements of STOA payments for the period of Apr'18 to Jun'20 have been sent to the DVC, OPTCL, BSPTCL and WBSETCL for checking at their end and confirmation from their side. DVC and WBSETCL has confirmed for the entire period. BSPTCL is yet to confirm for the period Oct'18 to Jun'20. OPTCL is yet to confirm for the period Q4 of 2019-20 and Q1 of 2020-21.

B11.5. Reconciliation for payments made to STOA applicants:

The reconciliation statements of STOA payments for the period of Apr'18 to Jun'20 have been sent to the CESC, BSPHCL JIPL, JBVNL and WBSEDCL for checking at their end and confirmation.

JITPL, WBSEDCL and CESC have confirmed for the above period. JBVNL is yet to confirm for the period Q4 of 2019-20. BSPHCL is yet to confirm for the period Q1 of 2020-21.

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-VIII*.

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.

Deliberation in the meeting:

JBVNL and BSPHCL assured that the reconciliation statement would be signed by the 1st week of October- 2020 for Q4 of 2019-20 & for Q1 of 2020-21 respectively.

ITEM NO. B12: Opening of LC by ER constituents for DSM payments – ERLDC Agenda

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 2020-21 by ER constituents is given in *Annexure - IX*. Letters to this effect has been issued by ERLDC to the defaulting entities.

LC of BSPHCL, DVC, GRIDCO, WEST BENGAL SIKKIM, MTPS STG-II, NVVN (NEPAL & BD), JITPL, BRBCL, POWERGRID (ER-I & ER-II), JLHEP and TASHIDING has already expired and not yet renewed /opened. LC of JUVNL is going to expire on 08.12.20.

Defaulting constituents may please intimate the latest status.

Deliberation in the meeting:

ERLDC informed that the DSM pool account had been transferred to SBI from AXIS bank. The same has been communicated to all the constituents.

The constituents which are yet to open the LC for requisite amount are requested to open the same in AXIS bank and to intimate ERLDC.

BSPHCL, DVC, GRIDCO, WEST BENGAL, SIKKIM, POWERGRID(ER-I&ER-II) informed that they would open required LC at the earliest.

NVVN (NEPAL & BD), JITPL, BRBCL, JLHEP and TASHIDING representatives were not present in the meeting.

ITEM NO. B13: Agenda items by POWERGRID

B13.1. Non-Opening of requisite amount of LC:

Following constituents are required to enhance/ extend LC towards Payment Security Mechanism, as per prevailed CERC Regulations:

Sl No	Name of DIC's	Present Value of LC	Value of LC Required
(i)	North Bihar Power Distribution Company Limited (NBPDC)	6.29	34.50
(ii)	South Bihar Power Distribution Company Limited (SBPDCL)	14.50	51.83
(iii)	Jharkhand Bidyut Vitran Nigam Ltd (JBVNL)	11.52	18.09
(iv)	South Eastern Railway(SER)	--	3.15
(v)	East Central Railway (ECR)	--	43.05
(vi)	GRIDCO Ltd.	--	50.32

NBPDCL, SBPDCL, JBVNL, Railways, GRIDCO may respond.

Deliberation in the meeting:

POWERGRID representative informed that opening of LC towards Payment Security Mechanism is mandated by prevailed CERC Regulations.

BSPHCL informed that requisite LC would be enhanced at the earliest.

GRIDCO & JBVNL assured the required LC would be enhanced by the 2nd week of October,20.

SER & ECR of Railways were not present in the meeting.

B13.2. Payment of Outstanding dues more than 45 days:

Sl No	Name of DIC's	Total Outstanding dues	Outstanding due more than 45 days
(i)	Vedanta Ltd. (Sterlite Energy Ltd.)	17.61	11.79
(ii)	GMR Kamalanga Energy Ltd.	45.74	27.80
(iii)	Jindal India Thermal Power Limited (JITPL)	3.82	2.55
(iv)	Ind-Barath Energy (Utkal) Limited	220.54	220.54
(v)	Damodar Valley Corporation(DVC)	25.44	8.26
(vi)	West Bengal State Electricity Distribution Company Ltd.(WBSEDCL)	207.93	52.20
(vii)	GRIDCO Ltd	63.04	23.26
(viii)	TeestaValley Power Transmission Ltd(TPTL)	5.75	5.75
(ix)	Teesta Urja Limited(TUL)	8.50	8.50
(x)	Power Deptt. Govt. of Sikkim	17.48	14.24
(xi)	Jharkhand Bijli Vitran Nigam Limited(JBVNL)	45.29	12.87
(xii)	North Bihar Power Distribution Company Limited(NBPDCL)	100.21	26.51
(xiii)	South Bihar Power Distribution Company Limited(SBPDCL)	182.61	94.41
(xiv)	NTPC Limited	34.75	34.75
(xv)	JUSNL	9.54	8.72
(xvi)	OPGCL	17.34	16.24
(xvii)	OPTCL	55.24	55.24
	Total	1061.55	624.35

Remarks of above:

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

(vi) The outstanding pertaining to WBSEDCL (Bill # 4 @ Rs. 2.20 Cr). WBSEDCL has not admitted Rs. 2.20 Cr towards Bill # 4 long pending outstanding.

(vii) The outstanding pertaining to GRIDCO (Surcharge @ Rs. 23.26 Cr)

Constituent members as shown above may respond

Deliberation in the meeting:

POWERGRID representative requested all the concerned constituents to liquidate the outstanding dues at the earliest.

Commercial Sub-Committee advised all the constituents to adhere to the prevailed regulations of CERC in opening of requisite LC as payment security mechanism and liquidation of outstanding dues.

B13.3. Non-payment of RTDA bills :

The following DIC's have not paying RTDA bills:

SI No	Name of DIC's	Outstanding dues	Remarks
(i)	West Bengal State Electricity Distribution Company Ltd. (WBSEDCL)	2.20	Letter has been written by POWERGRID to WBSEDCL enclosed as (Annexure -XV)
(ii)	NTPC Limited	34.75	Bill had been raised due to shifting of COD of Barh II Unit IV from 15.11.14 to 08.03.16.

WBSEDCL & NTPC may respond.

Deliberation in the meeting:

POWERGRID representative requested WBSEDCL and NTPC to expedite the liquidation of outstanding RTDA bills.

PART C: ITEMS FOR INFORMATION

ITEM NO. C1: STU and SLDC Transmission & Operating charges.

Minutes of 43rd CCM held on 21.09.2020

24/26

C1.1: State Transmission Utility Charges and Losses applicable for STOA for FY 2020-21

As available with ERLDC the STU charges and losses to be considered for STOA for FY 2020-21 are as follows:

Name of STU	Intra-State Transmission Charges	TRANSMISSION LOSS (For Embedded entities)
WBSETCL	Rs. 225.93/ MWh	3.10%
DVC	Rs. 143.7 / MWh	2.68%
OPTCL	Rs. 62.5 / MWh	3.00%
JUSNL	*	#
BSPTCL	*	#
SIKKIM	*	#

* Indicates rates yet to be furnished by concerned State Utilities. Transmission Charges for use of state network shall be Payable @ Rs.80 per MWh as per subsequent Amendment regulation 2009-dated 20.05.2009.

Not yet intimated by the State Utility.

C1.2: State Load Despatch Centre Operating Charges for STOA for FY 2020-21

Name of SLDC	SLDC Operating Charge
West Bengal	**
DVC	**
Odisha	Rs. 2000
Jharkhand	**
Bihar	**
SIKKIM	**

** Indicates rates yet to be furnished by concerned State Utilities. Operating charges at the rate of Rs 1000/-, per day or part of the day for each bilateral transaction for each of the Regional Load Dispatch Centre involved and at the rate of Rs 1000/- per day or part of the day for each State Load Despatch Centre involved shall be payable by the applicant as per subsequent Amendment regulation 2009-dated 20.05.2009.

This is for information to the members.

Deliberation in the meeting:

Members noted.

ANNEXURES

Annexure-A

List of participants

S.No	Participant Name/Designation/Organization
1	ERPC Secreariat,Kolkata
2	Snehesh Banerjee
3	SB (Guest)
4	Sunit Kumar
5	Gopal Mitra (Guest)
6	Rohit Chhabra
7	nsmondalcea
8	Tushar ERLDC
9	Rajshree Pradhan
10	MRIDUL KUMAR AGARWAL SR GM (COMML) POWERGRID PATNA (Guest)
11	Manas Das,ERLDC (Guest)
12	Rajdeep Bhattacharjee, RE, BSPHCL, Kolkata
13	Girish Chandra Mohapatra
14	H L Choudhary
15	Subodh Kumar Pradhan
16	Sunil Kumar Sharma
17	S K PRADHAN AD ERPC
18	SHYAM KEJRIWAL, ERPC
19	Pinki Debnath, Manager, ERLDC
20	Unknown User
21	Nadim Ahmad, Chief Manager ERLDC (Guest)
22	CE(Commercial) NB
23	Dechen Wangmo (Guest)
24	Jaideep Lakhtakia
25	Shabari Pramanick (Guest)
26	srijana chettri
27	Purushottom Prasad
28	Soma Basu CESC
29	Ienin bodigadla
30	Kallol Sarkar
31	Daman Jain ED ERLDC
32	Sanjit Kumar Maharana, GRIDCO
33	Commercial SBPDCL
34	wbpdc (Guest)
35	Harish Saran
36	Hiranmay De,PTC
37	Monika Sinha
38	Ravi Shankar
39	Anish Chakraborty (Guest)
40	Director(Tech),BSPGCL
41	GRIDCO (Guest)
42	S K Pradhan, AD, ERPC (Guest)
43	abhijeet kumar
44	PARTHA GHOSH (Guest)
45	Amit Griwan
46	Bhanu Sharma.
47	Pawan Gajmer
48	Achal Kumar Arora
49	Rishi Nandan G.M. Commercial, JBVNL (Guest)
50	RYAN GUPTA
51	ceftp.wbsedcl@gmail.com (Guest)
52	Uday Shankar
53	Rishi Nandan,GM,commercial , JBVNL (Guest)
54	Sushuma Kumari
55	SANJAY KUMAR SINGH (Guest)

पावर सिस्टम ऑपरेशन कॉर्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Govt. of India Enterprise)



केन्द्रीय कार्यालय : 61, आई एफ सी आई टावर, 7,8 एवं 9वीं मंजिल, नेहरू प्लेस, नई दिल्ली -110019
Corporate Office : 61, IFCI Tower, 7,8 & 9th Floor, Nehru Place, New Delhi- 110019
CIN : U40105DL2009GOI188682, Website : www.posoco.in, E-mail : posococc@posoco.in, Tel.: 011- 40234672

संदर्भ: POSOCO/NLDC/SO/Primary Response Testing/

दिनांक: 10th Aug 2020

सेवा मे,

Member Secretary-NRPC/WRPC/SRPC/ERPC/NERPC

सन्दर्भ :

1. POSOCO communication dated 12th Oct 2018, dated 23rd May 2019, dated 26th Jun 2019 and dated 4th Oct 2019.
2. POSOCO communication dated 22nd Apr 2020 informing generators about allocation of units for primary response testing by M/s Siemens Ltd.
3. POSOCO communication dated 13th May 2020 informing generators about allocation of units for primary response testing by M/s Solvina India Pvt. Ltd.

विषय: Regarding – Primary frequency response testing of Generating Units as per IEGC

महोदय,

Please refer to the above correspondences in reference to Primary Frequency Response testing of generators as per Indian Electricity Grid Code (IEGC). As per information available at NLDC, with the active support of RPCs, some of the generating stations have already finalized Letter of Award (LoA) with the identified testing agencies i.e. M/s Siemens Ltd. and M/s Solvina India Pvt. Ltd., while others are in process of finalizing the LoA. As requested earlier, a further nudge from the RPC forum would definitely help in early placing of LoAs by all the generating stations.

It is expected that generators would soon request RPCs for approving program schedule i.e. dates for carrying out onsite testing. Apart from the above, the commercial settlement would also be required to be carried out by RPC secretariat. In this regard, some points are attached for consideration. The points are enclosed as *Annexure-1*. Hope that this would be helpful while finalizing the program for onsite testing and settlement of commercial issues.

The cooperation of RPCs is requested for successfully carrying out the primary response testing of generators.

सधन्यवाद,

भवदीय

(देवाशिस दे)
10/08/2020

कार्यपालक-निदेशक-राभाप्रेकें

प्रतिलिपि सूचनार्थः

1. Executive Director, WRLDC/SRLDC/ERLDC/NERLDC
2. CGM(I/c), NRLDC

पंजीकृत कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Registered Office : First Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016

Annexure-I

Commercial Settlement during onsite testing of generators for Primary Response

The Hon'ble Central Electricity Regulatory Commission (CERC), vide notification dated 12th April 2017, had notified Indian Electricity Grid Code (Fifth Amendment) Regulations, 2017. As per this notification, following proviso has been added at the end of Regulation 5.2 (g) of Part 5 of the Principal Indian Electricity Grid Code (IEGC) Regulations: "*Provided that periodic checkups by third party should be conducted at regular interval once in two years through independent agencies selected by RLDCs or SLDCs as the case may be. The cost of such tests shall be recovered by the RLDCs or SLDCs from the Generators. If deemed necessary by RLDCs/SLDCs, the test may be conducted more than once in two years.*"

The regulations specify that the onus of testing lies with generators. In compliance of the regulation mentioned above, POSOCO has carried out necessary actions. The requirements of the onsite testing are mentioned in the Expression of Interest (EoI) documents. The onsite testing of primary response is to be carried out at three different generation levels. The generation of unit may be required to vary from its antecedent generation. This means that unit would be required to operate at three different levels and its output would vary further in response to frequency input injection.

The test is one of various tests which are carried out by plants e.g. Performance Guarantee (PG) Tests, Reactive Power Capability tests, PSS tuning etc. The modalities to handle this change in output of generating units may be same as being done for similar tests as mentioned above. Following could be the alternatives for scheduling and accounting during the above period:

- i. Generators themselves arrange for the schedule as being done for all other tests such as PG tests etc.
 - a. Through their long term and medium term beneficiaries and beneficiaries agree for such scheduling by RLDCs during testing period.
 - b. Through sale in Real Time Market by generators.
- ii. Generators are given schedule through RRAS mechanism. RRAS Regulations do not allow such scheduling.
- iii. Generators are totally dependent on DSM with normal scheduling.

In all above cases normal Deviation settlement Mechanism (DSM) Regulations can be applicable.

There has been request from some of generators that DSM during such testing period may be relaxed i.e. Actual Generation (AG) is made equal to Scheduled Generation (SG).

However, it need to be kept in mind that this testing is to be done for all generators including Independent Power Producers (IPP), merchant plants etc. and therefore the option of RRAS is not available to all the generators. Similarly, making SG=AG would be difficult for generator selling only under Short-Term Open Access (STOA). Therefore, in order to be non-discriminatory, Alternative-1 given above seems to be best suited. The similar methodology may also be adopted to carry out tests on generating units when they are on Reserve Shutdown or get tripped during the testing.

Further, in order to avoid centralised interference and affecting the schedule, any centralised dispatch instruction would not be given to the plant. Thus the unit shall be excluded from AGC during the testing and time blocks of testing would not be considered for ramping assessment. The plant shall be excluded from RRAS/SCED to manage their schedules.

It is requested that these points may please be deliberated in the RPC meetings and same is finalised apart from scheduling the testing program for tests at different stations. It is also suggested that while deciding the onsite testing program low demand season can be avoided to the extent possible. The testing of hydro based generating plants may be carried out during fall of monsoon to avoid spillage of water and achieve maximum rated generation capacity.

Note: *It may be noted that in multi-unit generating stations, the generating stations can also manage schedule through change in actual generation in other units (units not under testing) corresponding to actual change required in units under testing.*

Anneuxre-B3

Status of liquidation of payment i.r.o Mangdechhu HEP of Bhutan:

MHEP payment is as per statement of Deviation charges of Mangdechhu HEP of Bhutan power for the period 16.06.19 to 16.08.19 (till 23:30 Hrs) & for the period 16.08.19 (from 23:30 Hrs) to 31.08.19. The statement is issued by ERPC vide ERPC letter ref no. ERPC/COM-II/ABT-DC/10612-10646 dated 13.01.20. So, the following amounts are transferred as on 14.09.2020:

<i>Constituents</i>	16.06.19 to 15.08.19	Amt disbursed till 02.09.20	Amt disbursed on 14.09.20	Outstanding Receivable
<i>BSPHCL</i>	2257.55469	1172.03140	263.70706	821.81624
<i>JUVNL</i>	941.31819	488.69446	109.95625	342.66748
<i>DVC</i>	674.54909	350.19869	78.79471	245.55569
<i>GRIDCO</i>	667.77674	346.68277	78.00362	243.09035
<i>SIKKIM</i>	63.12819	32.77360	7.37407	22.98052
<i>WBSETCL</i>	3100.43158	1609.61909	362.16429	1128.64820
<i>Total</i>	7704.75848	4000.00000	900.00000	2804.75848

SUMMARY OF DEVIATION CHARGE RECEIPT AND PAYMENT STATUS

BILL UPTO 31-08-2020 (W-21 of 2020-2021)
Last Payment Disbursement Date - 10-09-2020

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
Bihar State Power Holding Corporation Limited	6,676.17840	0.00000	825.33187	0.00000	5,850.84653
Damodar Valley Corporation	1,670.09392	1,530.31412	760.41527	664.53365	43.89818
Gridco Limited	237.24845	196.98535	2,107.55261	1,813.72898	-253.56053
Jharkhand State Electricity Board	1,647.42349	0.00000	691.40463	0.00000	956.01886
Power Deptt, Govt. of Sikkim	23.54955	0.00000	421.05347	0.00000	-397.50392
SLDC - UI FUND - WBSETCL	6,949.90888	6,762.03243	187.87644	0.00000	0.00001
NHPC	29.27738	29.27738	638.08690	527.24685	-110.84005
NTPC	4,403.73618	4,403.86386	0.00000	0.12768	0.00000
Adhunik Power & Natural Resources Limited	457.27652	176.06931	243.91031	0.00000	37.29690
Bhartiya Rail Bijlee Company Ltd.	339.84014	339.98407	13.57399	13.57399	-0.14393
DANS Energy Private Limited	447.37600	431.72240	4.53475	4.53475	15.65360
Gati Infrastructure Private Limited	40.92724	17.38558	41.19058	38.87962	21.23070
GMR Kamalanga Energy Limited	1,133.67245	0.00000	19.87835	0.00000	1,113.79410
Jindal India Thermal Power Ltd.	456.09741	449.19186	2.16950	0.00000	4.73605
Kanti BijleeUtpadan Nigam Limited-MTPS-Stg-I	184.61528	184.61528	0.00000	0.00000	0.00000
Maithon Power Limited	0.00000	0.00000	411.83726	320.98237	-90.85489
NPGC	275.48237	275.48237	25.58685	17.50983	-8.07702
NPGC-infirm	235.88818	235.88818	0.00000	0.00000	0.00000
NTPC Vidyut Vyapar Nigam Ltd-BD	794.67561	794.67561	0.00000	0.00000	0.00000
NTPC Vidyut Vyapar Nigam Ltd-Nepal	716.28765	716.28765	126.21198	126.21198	0.00000
PGCIL-Alipurduar	1.32572	0.00000	9.68598	8.90892	0.54866
Powergrid Corporation Of India Limited-Sasaram	4.73487	0.00000	12.58255	11.69507	3.84739
Shiga Energy Private	124.44933	90.98961	157.02553	157.02553	33.45972
Sneha Kinetic Power Projects Pvt. Ltd.	80.40859	80.40859	309.59440	276.60278	-32.99162
Tata Power Trading Co. Ltd	588.91084	588.91084	8.20268	8.20268	0.00000
Teesta Urja Ltd	1,139.17313	1,153.78363	270.80277	231.88847	-53.52480
North Eastern Regional Load Despatch Centre	36,140.68129	36,783.54198	13,518.60195	13,476.95365	-684.50899
Northern regional Load Despatch Centre	46,794.39145	46,906.37221	1,331.38542	0.00000	-1,443.36618
Western regional Load Despatch Centre	375.24283	263.16123	99,031.97731	75,513.79360	-23,406.10211
Southern Regional Load Despatch Centre	24,939.29027	8,200.42458	5,157.90148	5,157.90148	16,738.86569
Total	1,33,429.06032	1,10,611.36812	1,26,328.37483	98,370.30188	

% Realization 82.9 As On 10-09-2020
 Receivable: Receivable by ER Payable: Payable by ER POOL
 Received: Received by ER P Paid: Paid by ER POOL
 '- ve' Payable by ER pool '+ ve' Receivable by ER pool

Annexure - II

Deviation Interest Bill due to delay payment

All figs in Rupees.

Sl No.	Name of Constituents	Outstanding Interest for FY 18-19 as on 30.06.20	Outstanding Interest for FY 19-20 as on 30.06.20	Outstanding Interest for FY 20-21 as on 30.06.20	Outstanding Interest as on 30.06.20
1	BSPHCL	0	51259133.1	1756088	53015221
2	JUVNL	0	24950751	1446554	26397304
3	DVC	0	9811	58636	68446
4	GRIDCO	-520	-281737	-339069	-621326
5	WBSETCL	0	-66389	0	-66389
6	SIKKIM	80442	1488081	-130427	1438096
7	NTPC	0	-23538	-36	-23574
8	NHPC	0	-123144	-192747	-315890
9	MPL	-791	-104145	-93182	-198118
10	APNRL	0	22186	318982	341168
11	CHUZACHEN	2347	0	-5786	-3440
12	NVVN(IND-BD)	0	0	0	0
13	JITPL	0	8849	1033	9883
14	GMR	1265691	12608912	155207	14029810
15	IND BARATH	2667585	0		2667585
16	TPTCL(DAGACHU)	0	0	-4265	-4265
17	JLHEP	0	2688	-3450	-762
18	BRBCL	0	-34806	-8119	-42925
19	NVVN(IND-NEP)	0	-48633	-92635	-141268
20	TUL(TEESTA-III)	0	-26667	-38056.8272	-64724
21	DIKCHU	0	101739	-30452	71288
22	HVDC-PSL	0	-12487	-4152	-16639
23	HVDC-ALPD	-4410	173026	-810	167805
24	TASHIDING	0	-2341	-7737	-10079
25	OPGC	0	24209	0	24209
26	NPGC	0	-14421	-392	-14814
27	KBUNL	0	340	0	340
	Total	4010343	89911415	2785183	96706941

'- 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	For FY 19-20	Payment Mode	/Date
NTPC	17.74479	RRAS Int for FY 2019-20	RTGS	10.09.2020
MPL	4.83823	RRAS Int for FY 2019-20	RTGS	10.09.2020
BRBCL	17.32682	RRAS Int for FY 2019-20	RTGS	10.09.2020
NPGC	1.84926	RRAS Int for FY 2019-20	RTGS	10.09.2020
KBUNL	2.66582	RRAS Int for FY 2019-20	RTGS	10.09.2020
Total	44.42492			

Annexure - III

STATUS OF REACTIVE CHARGES

RECEIVABLE IN ER POOL AS PER PUBLISHED A/C FROM 17.08.20 to 23.08.20

AS ON 10.09.20

CONSTITUENT	AMOUNT RECEIVABLE IN THE POOL (Rs.)	AMOUNT RECEIVED IN THE POOL (Rs.)	OUTSTANDING (Rs.)
WBSETCL	263938305	256147363	7790942
DVC	12110406	12110406	0
BSPHCL	25027746	0	25027746
SIKKIM	118172	31793	86379
JUVNL	11570605	1164132	10406473
GRIDCO	111358702	111358702	0
TOTAL	424123936	380812396	43311540

Annexure - IV

SUMMARY OF RRAS CHARGE RECEIPT AND PAYMENT STATUS

BILL UPTO 31-08-2020 (W-21 of 2020-2021)

Last Payment Disbursement Date -10.09.20

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
NTPC	1229.52787	0.00000	7894.71110	6665.18323	0.00000
MPL	348.49265	5.88522	2906.79101	2392.22402	-171.95956
BRBCL	305.73302	134.76461	2396.53062	2225.56221	0.00000
KBUNL	116.64026	10.59888	429.96093	323.91954	-0.00001
NPGC	167.93088	13.96106	695.54340	541.57358	0.00000
TOTAL	2168.32468	165.20977	14323.53706	12148.46258	-171.95957

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 31-08-2020 (W-21 of 2020-2021)

Last Payment Disbursement Date - 10-09-2020

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
BARH	0.00000	0.00000	62.48374	62.48374	0.00000
TOTAL	0.00000	0.00000	62.48374	62.48374	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 31.12.16)	90040.05774		
2	Reactive Energy Charge	248.26904	31.07.17	Reactive Charges_17-18
3	Reactive Energy Charge	128.44284	29.08.17	Reactive Charges_17-18
4	Reactive Energy Charge	103.22685	26.09.17	Reactive Charges_17-18
5	Reactive Energy Charge	249.14078	31.10.17	Reactive Charges_17-18
6	Reactive Energy Charge	172.20693	30.11.17	Reactive Charges_17-18
7	Reactive Energy Charge	200.00000	15.12.17	Reactive Charges_17-18
8	Reactive Energy Charge	100.00000	05.01.18	Reactive Charges_17-18
9	Reactive Energy Charge	558.45339	06.02.18	Reactive Charges_17-18
10	Reactive Energy Charge	171.95546	06.03.18	Reactive Charges_17-18
11	Reactive Energy Charge	129.35497	04.04.18	Reactive Charges_17-18
12	Reactive Energy Charge	126.21494	07.05.18	Reactive Charges_18-19
13	Reactive Energy Charge	183.31081	06.06.18	Reactive Charges_18-19
14	Reactive Energy Charge	215.58816	05.07.18	Reactive Charges_18-19
15	Reactive Energy Charge	176.54245	03.08.18	Reactive Charges_18-19
16	Reactive Energy Charge	39.54556	06.09.18	Reactive Charges_18-19
17	Reactive Energy Charge	34.03973	01.10.18	Reactive Charges_18-19
18	Reactive Energy Charge	74.57236	05.11.18	Reactive Charges_18-19
19	Reactive Energy Charge	40.66623	04.12.18	Reactive Charges_18-19
20	Reactive Energy Charge	236.89035	02.01.19	Reactive Charges_18-19 & 15-16
21	Reactive Energy Charge	300.04546	05.02.19	Reactive Charges_18-19 & 15-16
22	Reactive Energy Charge	233.27998	05.03.19	Reactive Charges_18-19
23	Reactive Energy Charge	105.79202	04.04.19	Reactive Charges_18-19
24	Reactive Energy Charge	287.48448	03.05.19	Reactive Charges_18-19 & 19-20
25	Reactive Energy Charge	129.69559	03.06.19	Reactive Charges_19-20
26	Reactive Energy Charge	207.83840	04.07.19	Reactive Charges_19-20
27	Reactive Energy Charge	94.91703	02.08.19	Reactive Charges_19-20
28	Reactive Energy Charge	188.53681	02.09.19	Reactive Charges_19-20
29	Surplus DSM amount transferred	32210.51998	24.09.19	DSM Charges_19-20
30	Reactive Energy Charge	173.06004	01.10.19	Reactive Charges_19-20
31	Reactive Energy Charge	273.15002	01.11.19	Reactive Charges_19-20
32	Reactive Energy Charge	401.09564	04.12.19	Reactive Charges_19-20
33	Reactive Energy Charge	252.53573	02.01.20	Reactive Charges_19-20
34	Reactive Energy Charge	148.65520	07.02.20	Reactive Charges_19-20
35	Reactive Energy Charge	205.22437	04.03.20	Reactive Charges_19-20
36	Bank interest from Reactive acct	0.21706	03.04.20	Bank interest from Reactive acct
37	Reactive Energy Charge	843.03166	03.06.20	Reactive Charges_19-20 & 20-21
38	Reactive Energy Charge	507.80481	07.07.20	Reactive Charges_17-18,18-19 & 20-21
39	Reactive Energy Charge	309.41068	06.08.20	Reactive Charges_17-18,18-19 & 20-21
40	Reactive Energy Charge	83.23955	02.09.20	Reactive Charges_19-20 & 20-21
	Total	132318.37587		

Annexure - VI

DSM Reconciliation Status of Eastern Region

	2019-20				2020-21
DSM account Reconciliation Status of ER constituents and Inter Regional					
Name of The Utility	Q1(17.07.19)	Q2(21.10.19)	Q3(13.01.20)	Q4(15.04.20)	Q1(15.07.20)
Inter Regional					
WR	NO	NO	NO	NO	NO
SR	YES	YES	YES	NO	NO
NER	NO	NO	NO	NO	NO
NR	NO	NO	NO	NO	NO
Intra Regional					
BSPHCL	YES	NO	NO	NO	NO
JUVNL	YES	YES	YES	YES	NO
DVC	YES	YES	YES	YES	YES
GRIDCO	YES	YES	YES	YES	NO
WBSETCL	YES	YES	YES	YES	YES
SIKKIM	YES	NO	NO	NO	NO
NTPC	YES	YES	YES	YES	NO
NHPC	YES	YES	YES	YES	NO
MPL	YES	YES	YES	YES	NO
KBUNL	YES	YES	YES	YES	NO
APNRL	YES	YES	YES	YES	NO
CHUZACHEN(GATI)	NO	NO	YES	YES	NO
NVVN(Ind-Bng)	YES	YES	YES	YES	NO
NVVN(Ind-Nep)	YES	YES	YES	YES	NO
GMR	YES	YES	YES	YES	NO
JITPL	YES	NO	NO	NO	NO
INBEUL	NO	NO	NO	NO	NO
TPTCL (DAGACHU)	YES	YES	YES	YES	NO
JLHEP(DANS ENERGY)	YES	YES	YES	YES	YES
BRBCL	YES	YES	YES	NO	NO
POWERGRID (ER-I)	NO	NO	NO	NO	NO
POWERGRID (ER-II)	YES	YES	NO	NO	NO
TUL (TEESTA-III)	YES	YES	YES	YES	YES
DIKCHU	YES	YES	YES	YES	YES
SHIGA (TASHIDING)	YES	YES	YES	YES	YES
OPGC	NO	NO	NO	NO	NO
NPGC	YES	YES	NO	NO	NO

Note:

- (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

	2019-20				2020-21
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)
Intra Regional					
BSPHCL	NO	NO	NO	NO	NO
JUVNL	NO	NO	NO	NO	NO
DVC	YES	NA	NA	NA	NA
GRIDCO	YES	YES	YES	NO	YES
WBSETCL	YES	YES	NO	NO	YES
SIKKIM	NO	NO	NO	NO	NO

Note:

- (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

RRAS Account Reconciliation Status

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

AGC Account Reconciliation Status

	2019-20				2020-21
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)
NTPC	YES	YES	YES	YES	YES

Annexure-VIII

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)
	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	14-07-2019
1	West Bengal - SLDC and STU	YES	YES	YES	YES	YES	YES	YES	YES	YES
2	DVC - SLDC	YES	YES	YES	YES	YES	YES	YES	YES	YES
3	OPTCL-SLDC and STU	YES	YES	YES	YES	YES	YES	YES	NO	NO
4	Bihar-SLDC and STU	NA	NA	NO	NO	NO	NO	NO	NO	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)
	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	15-07-2019
1	Calcutta Electric Supply Company	YES	NA	YES	NA	NA	NA	NA	NA	NA
2	Bihar State Power Holding Company Limited	NA	NA	NA	NA	NA	NA	NA	NA	NO
3	Jindal India Thermal Power Limited	YES	YES	YES	YES	YES	NA	NA	NA	NA
4	Jharkhand Urja Vitaran Nigam Limited	YES	YES	YES	YES	YES	YES	YES	NO	YES
5	West Bengal State Distribution Company Limited	YES	YES	yes	NA	YES	YES	YES	YES	YES

Annexure - IX

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 2019-20	Total Deviation charges payable to pool during 2019-20	Average weekly Deviation Charge liability (C)/52 weeks	LC Amount 110% of (B)	Due date of expiry	Remarks
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	BSPHCL	46	46	9156.49712	176.08648	193.69513		
2	JUVNL	44	44	6601.37893	126.94959	139.64455	08.04.21	Open LC for 139.64455 Lacs-Axis Bank
3	DVC	31	1	5132.41959	98.70038	108.57041		
4	GRIDCO	28	24	11965.21113	230.10021	253.11024		
5	WBSETCL	41	5	15308.52424	294.39470	323.83417		
6	SIKKIM	30	30	537.38370	10.33430	11.36773		
7	NTPC	43	3	8620.70935	165.78287	182.36116	30.06.21	Open LC for 182.36116 Lacs
8	NHPC	3	0	123.49227	2.37485	2.61234		Not Required
9	MPL	11	0	136.32298	2.62160	2.88376		Not Required
10	MTPS STG-II	52	5	997.68205	19.18619	21.10481		
11	APNRL	44	44	1187.78806	22.84208	25.12629	20.01.21	Opened for 9.14019(Bank copy not received)
12	CHUZACHEN (GATI)	24	24	89.09836	1.71343	1.88477	16.06.21	Opened for 1.88477 Lacs(Bank copy not received)
13	NVVN (IND-BNG)	50	1	2955.61051	56.83866	62.52253		
14	JITPL	42	10	977.52676	18.79859	20.67845		
15	GMR	49	45	2504.51834	48.16381	52.98020	21.08.21	Opened for 52.98049 Lacs
16	TPTCL(DAGACHU)	52	0	2674.07905	51.42460	56.56706		Not Required
17	JLHEP (DANS ENERGY)	49	12	748.35044	14.39135	15.83049		
18	BRBCL(NABINAGAR)	26	5	566.38026	10.89193	11.98112		
19	NVVN (IND-NEPAL)	41	1	1030.15803	19.81073	21.79180		
20	HVDC SASARAM	18	18	16.43152	0.31599	0.34759		
21	HVDC-ALIPURDUAR	14	14	27.67831	0.53228	0.58550		
22	TEESTA-III(TUL)	19	0	1518.7341	29.20643	32.12707		Not Required
23	DIKCHU	14	13	164.53555	3.16415	3.48056	12.05.2021	Opened for 3.48056 Lacs
24	Tashiding (THEP)	30	9	302.85729	5.82418	6.40660		
25	NPGC	52	5	1849.579	35.56883	39.12571	08.12.2020	Opened for 25.39032 Lacs-Axis Bank

Annexure - X

Status Report of PGCIL AMR AMC (Phase I, II & III)		Date: 09-Sept-20
Summary		
Total Substation	150	
Communicating Sub Station	119	
Non-communicating Sub Station	31	
Total Meter	998	
Communicating meter	913	
Non-communicating Meter	85	

Details of Non-communicating Sub Stations				
SNO	Utility Name	Substation Name	Total Meter	Probable issue
1	BIHAR	ARAH(ARB)	1	GPRS issue.
2	WB	BIDHANNAGAR(BDN)	2	GPRS issue. Poor network connectivity.
3	NTPC	DARLIPALLI	4	GPRS issue. Need PGCIL LAN provision .
4	BIHAR	DEHRI(DEH)	3	GPRS issue.
5	SIKKIM	DIKCHU	2	GPRS issue. Poor network connectivity.
6	BIHAR	DUMRAON(DUM)	1	GPRS issue. Poor network connectivity.
7	BIHAR	FATUA(FAT)	1	Meter RS-485 port issue. Request to replace the meter.
8	CESC	HALDIA(HAL)	2	GPRS issue. Poor network connectivity.
9	IPPR	IND-BARATH(IBR)	6	Unable to communicate with substation regarding AMC work .
10	GRIDCO	JODA(JOD)	3	GPRS issue.
11	SIKKIM	JORTHANG	6	GPRS issue.
12	WB	KALIMPONG(KLM)	1	GPRS issue.
13	BSEB	KARMANASA	2	Suspecting GPRS issue. Site engineer will visit there shortly to check the issue.
14	BIHAR	KISHANGANJ(KSN)	2	Meter RS-485 port issue. Request to replace the meter.
15	WB	KHARAGPUR	3	GPRS issue.
16	DVC	KODERMA(KOD)	6	Suspecting cable cut issue, site Engineer will visit for necessary AMC work as soon as the crisis period is over.
17	DVC	MANIQUE(MNQ)	1	GPRS issue.
18	SIKKIM	MELLI(MEL)	3	GPRS issue.
19	GRIDCO	MENDHASAL(MEN)	2	GPRS issue.
20	BSEB	NALANDA	1	Suspecting GPRS issue. Site engineer will visit there shortly to check the issue.
21	GRIDCO	NEW DUBRI(DBR)	2	GPRS issue.
22	POWERGRID	NEW MELLI	2	GPRS issue.
23	POWERGRID	GAYA	5	Replaced meter. Will be connected .
24	POWERGRID	PATNA	19	Suspecting cable cut issue, site Engineer will visit for necessary AMC work after the crisis period is over.
25	POWERGRID	PUSALI	4	Suspecting GPRS issue. Site engineer will visit there shortly to check the issue.
26	BSEB	RAJGIR	2	Suspecting GPRS issue. Site engineer will visit there shortly to check the issue.
27	WB	RAMMAM(RMM)	1	GPRS issue.
28	BSEB	SABOUR	3	GPRS issue.
29	BSEB	SIPARA (SIP)	3	GPRS issue. Poor network connectivity.
30	IPPR	STERLITE(SEL)	10	Unable to communicate with substation regarding AMC work
31	NTPC	TALCHER SOLAR(TLS)	6	TCS will visit there and will do necessary AMC work shortly.

Total Non Comm	85
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Annexure-XI

List of Meters and Location for AMR 4th Phase implementation

S.No	MAKE	Meter Serial No	LOCATION		S.No	MAKE	Meter Serial No	LOCATION	
1	L&T	NP-7885-A	LAKHISARAI(PG)		133	GENUS	ER-1135-A	BERHAMPORE(PG)	
2	L&T	NP-7886-A			134	GENUS	ER-1140-A	BANKA(PG)	
3	L&T	NP-7429-A			135	GENUS	ER-1349-A		
4	L&T	NP-7429-A			136	GENUS	ER-1347-A		
5	L&T	NP-7887-A			137	GENUS	ER-1350-A		
6	L&T	NP-7430-A			138	GENUS	ER-1341-A		
7	L&T	NP-7888-A			139	GENUS	ER-1350-A		
8	L&T	NP-7431-A			140	GENUS	ER-1341-A	ANGUL(PG)	
9	GENUS	ER-1433-A			141	GENUS	ER-1015-A		
10	GENUS	ER-1346-A	142		GENUS	ER-1016-A	BIRPARA(PG)		
11	GENUS	ER-1104-A	143		GENUS	ER-1085-A			
12	GENUS	ER-1146-A	144		GENUS	ER-1087-A			
13	GENUS	ER-1005-A	145		GENUS	NP-7947-A			
14	GENUS	ER-1006-A	146		GENUS	ER-1554-A			
15	GENUS	ER-1002-A	147		GENUS	ER-1557-A	CHAIBASA(PG)		
16	GENUS	ER-1004-A	148		GENUS	ER-1110-A			
17	GENUS	ER-1044-A	149		GENUS	ER-1041-A	BIRPARA(WB)		
18	GENUS	ER-1047-A	150		GENUS	ER-1415-A			
19	GENUS	ER-1048-A	151		GENUS	ER-1420-A	BARIAPDA(PG)		
20	GENUS	ER-1049-A	152		GENUS	ER-1079-A			
21	GENUS	ER-1465-A	153		GENUS	ER-1594-A	BARH(NTPC)		
22	GENUS	ER-1463-A	154		GENUS	ER-1446-A			
23	GENUS	ER-1469-A	ALIPURDUAR(PG)		155	GENUS	ER-1220-A	JAMSHEDPUR(PG)	
24	GENUS	ER-1467-A			156	GENUS	ER-1468-A	RANGPO(PG)	
25	GENUS	ER-1473-A			157	GENUS	ER-1153-A	KISHANGANJ(PG)	
26	GENUS	ER-1474-A			158	GENUS	ER-1160-A		
27	GENUS	ER-1475-A			159	GENUS	ER-1293-A		
28	GENUS	ER-1476-A			160	GENUS	ER-1296-A		
29	GENUS	ER-1492-A			161	GENUS	ER-1159-A		
30	GENUS	ER-1494-A			162	GENUS	ER-1154-A		
31	GENUS	ER-1532-A			163	GENUS	ER-1437-A		
32	GENUS	ER-1498-A			164	GENUS	ER-1438-A		
33	GENUS	ER-1046-A	165		GENUS	ER-1531-A	MALDA(PG)		
34	GENUS	ER-1088-A	166		GENUS	ER-1536-A			
35	GENUS	ER-1089-A			167	GENUS	ER-1008-A	MEJIA(DVC)	
36	GENUS	ER-1233-A			168	GENUS	ER-1031-A		
37	GENUS	ER-1240-A			NPGC(NTPC)	169	GENUS	ER-1122-A	MPL
38	GENUS	ER-1210-A				170	GENUS	ER-1123-A	
39	GENUS	ER-1207-A	171			GENUS	ER-1124-A		
40	GENUS	ER-1216-A	172			GENUS	ER-1129-A		
41	GENUS	ER-1219-A	173			GENUS	ER-1418-A	NABINAGAR(BRBL)	
42	GENUS	ER-1213-A	174			GENUS	ER-1414-A		
43	GENUS	ER-1214-A	175			GENUS	ER-1281-A		
44	GENUS	ER-1094-A	176		GENUS	ER-1299-A			
45	GENUS	ER-1097-A	DARJAIL(NTPC)		177	GENUS	ER-1292-A		
46	GENUS	ER-1091-A			178	GENUS	ER-1294-A		

47	GENUS	ER-1095-A	GENES (BSPTCL)
48	GENUS	ER-1025-A	
49	GENUS	ER-1024-A	
50	GENUS	ER-1295-A	
51	GENUS	ER-1158-A	KISHANGANJ(BSPTCL)
52	GENUS	ER-1156-A	
53	GENUS	ER-1157-A	
54	GENUS	ER-1001-A	
55	GENUS	ER-1009-A	KLC BANTALA(WB)
56	GENUS	ER-1052-A	OPGC
57	GENUS	ER-1027-A	
58	GENUS	ER-1112-A	
59	GENUS	ER-1026-A	
60	GENUS	ER-1030-A	
61	GENUS	ER-1053-A	
62	GENUS	ER-1066-A	
63	GENUS	ER-1068-A	
64	GENUS	ER-1060-A	
65	GENUS	ER-1456-A	
66	GENUS	ER-1541-A	TEESTA-III
67	GENUS	ER-1542-A	
68	GENUS	ER-1546-A	
69	GENUS	ER-1543-A	
70	GENUS	ER-1519-A	
71	GENUS	ER-1545-A	
72	GENUS	ER-1547-A	
73	GENUS	ER-1450-A	
74	GENUS	ER-1549-A	
75	GENUS	ER-1548-A	
76	GENUS	ER-1250-A	MOTIHARI(BSPTCL)
77	GENUS	ER-1245-A	MOTIPUR(BSPTCL)
78	GENUS	ER-1286-A	
79	GENUS	ER-1288-A	ATRI(GRIDCO)
80	GENUS	ER-1111-A	
81	GENUS	ER-1007-A	RAXAUL(BSPTCL)
82	GENUS	ER-1248-A	
83	GENUS	ER-1249-A	SAMANGARA(GRIDCO)
84	GENUS	ER-1113-A	
85	GENUS	ER-1073-A	SAMASTIPUR(BSPTCL)
86	GENUS	ER-1223-A	BETIAH(BSPTCL)
87	GENUS	ER-1227-A	
88	GENUS	ER-1173-A	BHOGRAI(GRIDCO)
89	GENUS	ER-1116-A	JALESWAR(GRIDCO)
90	GENUS	ER-1114-A	SUBHASHGRAM(WBS)
91	GENUS	ER-1127-A	
92	GENUS	ER-1003-A	SAGARDIGHI(WB)
93	GENUS	ER-1131-A	
94	GENUS	ER-1132-A	
95	GENUS	ER-1134-A	
96	GENUS	ER-1520-A	
97	L&T	LT-0312-A	
98	GENUS	ER-1451-A	RAJARAHAT(PG)
99	GENUS	ER-1453-A	
100	GENUS	ER-1253-A	LAUKAHI(BSPHCL)
101	GENUS	ER-1409-A	
102	GENUS	ER-1373-A	

29 NEW LOCATIONS WITH 132 METERS

179	GENUS	ER-1461-A	NEW MELLU(PG)
180	GENUS	ER-1470-A	
181	GENUS	ER-1491-A	DURGAPUR(PG)
182	GENUS	ER-1496-A	
183	GENUS	ER-1298-A	RAMCHANDARPUR(IUSNL)
184	GENUS	ER-1020-A	RENGALI(PG)
185	GENUS	ER-1402-A	RANCHI(PG)
186	GENUS	ER-1083-A	BIDHANAGAR(WB)
187	GENUS	ER-1012-A	SUNDERGARH(PG)
188	GENUS	ER-1093-A	
189	GENUS	ER-1100-A	
190	GENUS	ER-1019-A	
191	GENUS	ER-1118-A	
192	GENUS	ER-1022-A	
193	GENUS	ER-1062-A	
194	GENUS	ER-1023-A	
195	GENUS	ER-1117-A	
196	GENUS	ER-1119-A	
197	GENUS	ER-1021-A	
198	GENUS	ER-1067-A	
199	GENUS	ER-1061-A	SILIGURI(PG)
200	GENUS	ER-1070-A	
201	GENUS	ER-1065-A	PUSAULI(PG)
202	GENUS	ER-1064-A	
203	GENUS	ER-1500-A	RANCHI NEW(PG)
204	GENUS	ER-1493-A	
205	GENUS	ER-1217-A	
206	GENUS	ER-1218-A	
207	GENUS	ER-1318-A	
208	GENUS	ER-1319-A	
209	GENUS	ER-1372-A	
210	GENUS	ER-1379-A	
211	GENUS	ER-1378-A	
212	GENUS	ER-1236-A	
213	GENUS	ER-1237-A	PURNEA(PG)
214	GENUS	ER-1221-A	
215	GENUS	ER-1230-A	
216	GENUS	ER-1371-A	
217	GENUS	ER-1355-A	
218	GENUS	ER-1358-A	PATNA(PG)
219	GENUS	ER-1436-A	
220	GENUS	ER-1359-A	
221	GENUS	ER-1351-A	
222	GENUS	ER-1352-A	
223	GENUS	ER-1231-A	PANDIABILI(PG)
224	GENUS	ER-1232-A	
225	L&T	NP-8862-A	
226	GENUS	ER-1311-A	
227	GENUS	ER-1407-A	
228	GENUS	ER-1314-A	
229	GENUS	ER-1408-A	PANDIABILI(PG)
230	GENUS	ER-1098-A	
231	GENUS	ER-1591-A	PANDIABILI(PG)
232	GENUS	ER-1583-A	
233	GENUS	ER-1586-A	
234	GENUS	ER-1587-A	

25 OLD LOCATIONS WITH 124 METERS

103	GENUS	ER-1377-A	KHIZIRSARAI(BSPHCL)	235	GENUS	ER-1588-A	
104	GENUS	ER-1584-A		236	GENUS	ER-1590-A	
105	GENUS	ER-1592-A	KEONJHAR(GRIDCO)	237	GENUS	ER-1552-A	
106	GENUS	ER-1138-A		238	GENUS	ER-1551-A	KEONJHAR(PG)
107	GENUS	ER-1133-A	GOKARNA(WB)	239	GENUS	ER-1263-A	
108	GENUS	ER-1222-A		240	GENUS	ER-1170-A	
109	GENUS	ER-1224-A	DARBHANGA(BSPTCL)	241	GENUS	ER-1262-A	
110	GENUS	ER-1195-A		242	GENUS	ER-1261-A	
111	GENUS	ER-1192-A		243	GENUS	ER-1375-A	
112	GENUS	ER-1197-A		244	GENUS	ER-1380-A	
113	GENUS	ER-1196-A		245	GENUS	ER-1163-A	
114	GENUS	ER-1199-A		246	GENUS	ER-1416-A	
115	GENUS	ER-1193-A		247	GENUS	ER-1419-A	
116	GENUS	ER-1191-A		248	GENUS	ER-1411-A	
117	GENUS	ER-1155-A		249	GENUS	ER-1448-A	
118	GENUS	ER-1206-A		250	GENUS	ER-1449-A	
119	GENUS	ER-1152-A		251	GENUS	ER-1442-A	
120	GENUS	ER-1201-A		252	GENUS	ER-1447-A	GAYA(PG)
121	GENUS	ER-1205-A		253	GENUS	ER-1582-A	
122	GENUS	ER-1202-A		254	GENUS	ER-1575-A	
123	GENUS	ER-1204-A		255	GENUS	ER-1573-A	
124	GENUS	ER-1434-A		256	GENUS	NP-7919-A	BOLANGIR(PG)
125	GENUS	ER-1431-A		TOTAL METERS = 256			
126	GENUS	ER-1432-A					
127	GENUS	ER-1203-A					
128	GENUS	ER-1435-A	DALTONGANJ(PG)				
129	GENUS	ER-1198-A					
130	GENUS	ER-1194-A	DALTONGANJ(JUVNL)				
131	GENUS	ER-1344-A					
132	GENUS	ER-1342-A	BEGUSARAI(BSPTCL)				

AMR Phase-1 & Phase -IIAMC Details of all Sub Stations
Annexure-XII

SL No	State	Sub Station	Utilities	TOC Date	TOC Month	AMC End Date	Total Meter
1	West Bengal	DSTPS	DVC	15-Mar-14	Mar-14	Mar-19	78
2	Jharkhand	Jamshedpur	PG	30-Mar-14	Mar-14	Mar-19	
3	West Bengal	Jeerat	WBSEB	15-Mar-14	Mar-14	Mar-19	
4	West Bengal	K'neswari	DVC	30-Mar-14	Mar-14	Mar-19	
5	West Bengal	Kolaghat	DVC	15-Mar-14	Mar-14	Mar-19	
6	West Bengal	Maithon	DVC	24-Mar-14	Mar-14	Mar-19	
7	West Bengal	Maithon	PG	30-Mar-14	Mar-14	Mar-19	
8	West Bengal	Malda	WBSEB	30-Mar-14	Mar-14	Mar-19	
9	West Bengal	Mejia	DVC	30-Mar-14	Mar-14	Mar-19	
10	Jharkhand	Ramchandrapur	JSEB	30-Mar-14	Mar-14	Mar-19	
11	West Bengal	Siliguri	PG	31-Mar-14	Mar-14	Mar-19	
12	West Bengal	Subhasgram	PG	30-Dec-13	Mar-14	Mar-19	
13	West Bengal	Waria	DVC	30-Mar-14	Mar-14	Mar-19	
14	Jharkhand	Barhi	DVC	30-Apr-14	Apr-14	Apr-19	89
15	Odisha	Baripada	PG	15-Apr-14	Apr-14	Apr-19	
16	West Bengal	Bidhannagar	WBSEB	15-Apr-14	Apr-14	Apr-19	
17	West Bengal	Binaguri	PG	15-Apr-14	Apr-14	Apr-19	
18	West Bengal	Birpara	WBSEB	15-Apr-14	Apr-14	Apr-19	
19	West Bengal	Birpara	PG	15-Apr-14	Apr-14	Apr-19	
20	Jharkhand	Chandil	JSEB	30-Apr-14	Apr-14	Apr-19	
21	Jharkhand	Garwa	JSEB	30-Apr-14	Apr-14	Apr-19	
22	Jharkhand	Hatia	JSEB	30-Apr-14	Apr-14	Apr-19	
23	Jharkhand	Jamshedpur	DVC	30-Apr-14	Apr-14	Apr-19	
24	West Bengal	Kalimpong	WBSEB	30-Apr-14	Apr-14	Apr-19	
25	West Bengal	Maithon RB	MPL	30-Apr-14	Apr-14	Apr-19	
26	Jharkhand	Manique	DVC	30-Apr-14	Apr-14	Apr-19	47
27	SIKKIM	Melli	SIKKIM	30-Apr-14	Apr-14	Apr-19	
28	West Bengal	NBU	WBSEB	15-Apr-14	Apr-14	Apr-19	
29	West Bengal	Sagardihi	WBSEB	15-Apr-14	Apr-14	Apr-19	
30	West Bengal	Teesta	NHPC	30-Apr-14	Apr-14	Apr-19	
31	West Bengal	Dalkhola	WBSEB	30-May-14	May-14	May-19	
32	Jharkhand	Deogarh	JSEB	15-May-14	May-14	May-19	
33	Jharkhand	Dhanbad	DVC	15-May-14	May-14	May-19	
34	Jharkhand	Jamtara	JSEB	15-May-14	May-14	May-19	
35	Odisha	Joda	GRIDCO	30-May-14	May-14	May-19	
36	Bihar	Kishanganj	BSEB	30-May-14	May-14	May-19	
37	West Bengal	Parulia	DVC	30-May-14	May-14	May-19	67
38	Jharkhand	Patratu	DVC	15-May-14	May-14	May-19	
39	Bihar	Purnea	BSEB	30-May-14	May-14	May-19	
40	Bihar	Purnea	PG	30-May-14	May-14	May-19	
41	West Bengal	Rammam	WBSEB	30-May-14	May-14	May-19	
42	SIKKIM	Rangit	NHPC	30-May-14	May-14	May-19	
43	West Bengal	Santaldih	WBSEB	30-May-14	May-14	May-19	
44	Jharkhand	Tenughat	JSEB	15-May-14	May-14	May-19	
45	Odisha	Jindal	GRIDCO	30-May-14	May-14	May-19	
46	Jharkhand	Japla	JSEB	15-May-14	May-14	May-19	
47	Bihar	Arah	BSEB	15-Jun-14	Jun-14	Jun-19	
48	Bihar	Arah	PG	15-Jun-14	Jun-14	Jun-19	
49	Odisha	Baripada	GRIDCO	30-Jun-14	Jun-14	Jun-19	67
50	Odisha	Budhipadar	GRIDCO	15-Jun-14	Jun-14	Jun-19	
51	Bihar	Dumraon	BSEB	15-Jun-14	Jun-14	Jun-19	
52	West Bengal	Malda	PG	30-Jun-14	Jun-14	Jun-19	
53	Odisha	Mendashal	GRIDCO	15-Jun-14	Jun-14	Jun-19	
54	Odisha	M'mundali	GRIDCO	15-Jun-14	Jun-14	Jun-19	
55	Odisha	Rengali	GRIDCO	15-Jun-14	Jun-14	Jun-19	
56	Odisha	Rengali	PG	15-Jun-14	Jun-14	Jun-19	
57	Odisha	Rourkela	GRIDCO	15-Jun-14	Jun-14	Jun-19	
58	Odisha	Rourkela	PG	15-Jun-14	Jun-14	Jun-19	
59	Odisha	Sterlite	IPPR	15-Jun-14	Jun-14	Jun-19	
60	Odisha	Tarkera	GRIDCO	15-Jun-14	Jun-14	Jun-19	
61	Bihar	Biharshariff	BSEB	15-Jul-14	Jul-14	Jul-19	67
62	Bihar	Dehri	BSEB	15-Jul-14	Jul-14	Jul-19	
63	Jharkhand	Goelkera	JSEB	30-Jul-14	Jul-14	Jul-19	
64	Bihar	Kahalgao	BSEB	30-Jul-14	Jul-14	Jul-19	
65	Bihar	Mohania	BSEB	15-Jul-14	Jul-14	Jul-19	
66	Bihar	Rajgir	BSEB	15-Jul-14	Jul-14	Jul-19	
67	Bihar	Sabour	BSEB	15-Jul-14	Jul-14	Jul-19	
68	Bihar	Sonengar	BSEB	15-Jul-14	Jul-14	Jul-19	
69	Bihar	Sultanganj	BSEB	15-Jul-14	Jul-14	Jul-19	

70	Jharkhand	Kendoposi	JSEB	30-Jul-14	Jul-14	Jul-19	34	
71	Bihar	Khagaul	BSEB	15-Jul-14	Jul-14	Jul-19		
72	Bihar	Kanti	BSEB	15-Jul-14	Jul-14	Jul-19		
73	Odisha	Bolangir	PG	30-Aug-14	Aug-14	Aug-19		
74	Odisha	Indravati P/H	GRIDCO	15-Aug-14	Aug-14	Aug-19	23	
75	Odisha	Indravati	PG	15-Aug-14	Aug-14	Aug-19		
76	Odisha	Jeypore	GRIDCO	15-Aug-14	Aug-14	Aug-19		
77	Odisha	Jeypore	PG	15-Aug-14	Aug-14	Aug-19		
78	Odisha	Keonjhar	PG	30-Aug-14	Aug-14	Aug-19		
79	Jharkhand	Lalmatia	JSEB	15-Aug-14	Aug-14	Aug-19		
80	Odisha	Rairangpur	GRIDCO	15-Aug-14	Aug-14	Aug-19		
81	Odisha	Talcher	NTPC	15-Sep-14	Sep-14	Sep-19		
82	West Bengal	Durgapur	PG	30-Nov-14	Nov-14	Nov-19		12
83	Odisha	Balasore	GRIDCO	30-Dec-14	Dec-14	Dec-19		199
84	Bihar	Barh	NTPC	30-Dec-14	Dec-14	Dec-19		
85	Bihar	Biharshariff	PG	15-Dec-14	Dec-14	Dec-19		
86	West Bengal	Farakka	NTPC	31-Dec-14	Dec-14	Dec-19		
87	Sikkim	Gangtok	PG	30-Dec-14	Dec-14	Dec-19		
88	Bihar	Gaya	PG	30-Dec-14	Dec-14	Dec-19		
89	Bihar	Kahalgaon	NTPC	30-Dec-14	Dec-14	Dec-19		
90	Bihar	Karmanasha	BSEB	15-Dec-14	Dec-14	Dec-19		
91	Bihar	Mzaffarpur	PG	30-Dec-14	Dec-14	Dec-19		
92	Bihar	Patna	PG	30-Dec-14	Dec-14	Dec-19		
93	Jharkhand	Patratu	JSEB	15-Dec-14	Dec-14	Dec-19		
94	Jharkhand	Ranchi	PG	30-Dec-14	Dec-14	Dec-19		
95	Bihar	Pusauli	PG	21-Jan-15	Jan-15	Jan-20	16	
96	West Bengal	Berhampore	PG	31-May-15	May-15	May-20	16	
97	West Bengal	Dalkhola	PG	30-May-15	May-15	May-20		
98	Bihar	Fatua	BSEB	30-May-15	May-15	May-20		
99	Bihar	Hajipur	BSEB	30-May-15	May-15	May-20		
100	Bihar	Jagdishpur	BSEB	30-May-15	May-15	May-20		
101	Bihar	Sipara	BSEB	30-May-15	May-15	May-20		
102	Odisha	Adhunik	IPPR	30-Jun-15	Jun-15	Jun-20		48
103	Odisha	Angul	PG	30-Jun-15	Jun-15	Jun-20		
104	Bihar	Banka	BSEB	30-Jun-15	Jun-15	Jun-20		
105	Bihar	Bodhgaya	BSEB	30-Jun-15	Jun-15	Jun-20		
106	Sikkim	Chuzachen	IPPR	30-Jun-15	Jun-15	Jun-20		
107	Odisha	GMR	GRIDCO	30-Jun-15	Jun-15	Jun-20		
108	Odisha	Jindal	IPPR	30-Jun-15	Jun-15	Jun-20		
109	West Bengal	Kharagpur	WBSEB	30-Jun-15	Jun-15	Jun-20		
110	Jharkhand	Koderma	DVC	30-Jun-15	Jun-15	Jun-20		
111	West Bengal	Kurseong	WBSEB	30-Jun-15	Jun-15	Jun-20		
112	Bihar	Madhepura	BSEB	30-Jun-15	Jun-15	Jun-20		
113	Sikkim	Ravangla	SIKKIM	30-Jun-15	Jun-15	Jun-20		
114	Odisha	RTPS	DVC	30-Jun-15	Jun-15	Jun-20		
115	Odisha	Sundergarh	PG	30-Jun-15	Jun-15	Jun-20		
116	Jharkhand	TISCO	DVC	30-Jun-15	Jun-15	Jun-20		

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Annexure-XIII

List of Substation Connected with PGCIL Intranet connection(LAN)			
Sl No.	Substation name	Utility	LAN Integration Date
1	Subhashgram	Powergrid	15-Jun-2017
2	Binaguri	Powergrid	20-Jul-2017
3	Malda	Powergrid	06-Jun-2018
4	Kishanganj	Powergrid	15-Jul-2018
5	Siliguri	Powergrid	12-Sep-2018
6	Gangtok	Powergrid	15-Sep-2018
7	Rourkela	Powergrid	03 – Oct – 2018
8	Gaya	Powergrid	25 – Dec - 2018
9	Biharshariff	Powergrid	27 – Dec – 2018
10	Arah	Powergrid	29 – Oct – 2018
11	Jamshedpur	Powergrid	02 – Nov – 2018
12	Rangpo	Powergrid	01 – Nov – 2018
13	Rangpo	Powergrid	05 – Dec – 2018
14	Durgapur	Powergrid	07 – Dec – 2018
15	Jeypore	Powergrid	10 – Dec – 2018
16	Maithon(MTN)	Powergrid	11 – Dec – 2018
17	Pusaul	Powergrid	19 – Dec – 2018
18	Muzaffarpur	Powergrid	20 – Dec – 2018
19	Barh	NTPC	21 – Dec – 2018
20	Kahalgaoon	NTPC	21 – Dec – 2018
21	Purnea	Powergrid	24 – Dec – 2018
22	Banka	Powergrid	27 – Dec – 2018
23	Teesta	NHPC	01 – Jan – 2019
24	Rangit	NHPC	02 – Jan – 2019
25	Baripada	Powergrid	15 – Nov – 2018
26	Ranchi	Powergrid	10 – Jan – 2019
27	Talcher	NTPC	16 – Jan – 2019
28	Farakka	NTPC	22 – Jan – 2019
29	Chaibasa	Powergrid	28 – Jan – 2019
30	Dalkhola	Powergrid	28 – Jan – 2019
31	Birpara	Powergrid	29 – Jan – 2019
32	Rajarhat	Powergrid	18 – Apr – 2019
33	Kanti	NTPC	28 – May – 2019
34	Patna	Powergrid	20-Sep-19
35	Behrampore	Powergrid	18-Nov-19
36	Pandiabil	Powergrid	06-Jan-2020
37	Mejia	DVC	28-Aug-2020

Annexure-XIV

List of Meter to be Removed				Remarks
Sl No.	STATION	BAY	Meter No.	
1	STERLITE	STERLITE GT-1	NP-6540-A	
2	STERLITE	STERLITE GT-2	NP-6528-A	
3	STERLITE	STERLITE GT-3	NP-6555-A	
4	STERLITE	STERLITE GT-4	NP-6556-A	
5	STERLITE	STERLITE ST-1	NP-6543-A	
6	STERLITE	STERLITE ST-2	NP-6527-A	
7	MEJIA (DVC)	400 KV SIDE OF MEJIA GT-1	NP-6534-A	
8	MEJIA (DVC)	400 KV SIDE OF MEJIA GT-2	NP-6532-A	
9	MEJIA (DVC)	400 KV SIDE OF MEJIA STN TRANSF-1	NP-7943-A	
10	MEJIA (DVC)	400 KV SIDE OF MEJIA STN TRANSF-2	NP-6533-A	
11	MEJIA (DVC)	400 KV MAITHON(DVC) (CHECK)	NP-6776-A	
12	DSTPP (ANDAL)	400 KV SIDE OF GT-I (MAIN)	NP-6554-A	
13	DSTPP (ANDAL)	400 KV SIDE OF GT-I (CHECK)	NP-6497-A	
14	DSTPP (ANDAL)	400 KV SIDE OF STN TRF-I (MAIN)	NP-6496-A	
15	DSTPP (ANDAL)	400 KV SIDE OF STN TRF-I (CHECK)	NP-6498-A	
16	JEERAT (WBSETCL)	400 KV SAGARDIGHI(WB)	ER-1477-A	
17	KOLAGHAT (WBSETCL)	400 KV KHARAGPUR (WBSETCL)	NP-6487-A	
18	SAGARDIGHI(WBSETCL)	400 KV JEERAT(WB)(MAIN)	ER-1134-A	
19	SAGARDIGHI(WBSETCL)	400 KV JEERAT(WB)(CHECK)	ER-1520-A	
20	IBEUL	400 KV SIDE STN TRF-1	NP-8783-A	
21	IBEUL	400 KV SIDE STN TRF-2	NP-8782-A	
22	IBEUL	400 KV SIDE GEN TRF-1	NP-8784-A	
23	IBEUL	400 KV SIDE GEN TRF-2	NP-8796-A	
24	CHAIBASA(JUVNL)	220 KV CHAIBASA(JUVNL)-JODA(GRIDCO)	NP-8867-A	
25	MELLI (SIKKIM)	132 KV SAGBARI(SIKKIM)	NP-5997-A	
26	SAGBARI(SIKKIM)	132 KV MELLI(SIKKIM)	NP-8797-A	
27	SAGBARI(SIKKIM)	132 KV GYALSHING(SIKKIM)	NP-8798-A	
28	GYALSHING(SIKKIM)	132 KV SAGBARI(SIKKIM)	NP-8730-A	
29	KOLAGHAT(DVC)	132KV KOLAGHAT (WBSETCL)	NP-6558-B	
30	NABINAGAR(BRBCL)	6.6 KV INCOMING FEEDER AT SC BUS	ER-1418-A	
31	NABINAGAR(BRBCL)	6.6 KV INCOMING FEEDER AT SD BUS	ER-1414-A	
32	DSTPS(DVC)	400 KV JAMSHEDPUR (PG)-II (CHECK)	NP-6523-A	
33	DSTPS(DVC)	400 KV JAMSHEDPUR-I (CHECK)	NP-6525-A	
34	MEJIA (DVC)	400KV JAMSHEDPUR (PG) (CHECK)	NP-7493-A	
35	MEJIA (DVC)	400 KV MEJIA(DVC)-MAITHON(PG)-1(CHECK)	NP-7494-A	
36	MEJIA (DVC)	400 KV MEJIA(DVC)-MAITHON(PG)-2(CHECK)	NP-7495-A	
37	RTPS(DVC)	400 KV MAITHON(PG)- II (CHECK)	NP-7531-A	
38	RTPS(DVC)	400 KV RANCHI(PG)- II (CHECK)	NP-7562-A	
39	KODERMA (DVC)	400 KV GAYA(PG)-I (CHECK)	NP-7892-A	
40	KODERMA (DVC)	400 KV GAYA(PG)-II (CHECK)	NP-7893-A	
41	RTPS(DVC)	400 KV RANCHI(PG)-2(CHECK)	ER-1260-A	
42	RTPS(DVC)	400 KV RANCHI(PG)-3(CHECK)	ER-1269-A	
43	SAGARDIGHI(WBSETCL)	400 KV DURGAPUR (PG) -1 (CHECK)	NP-6547-A	
44	SAGARDIGHI(WBSETCL)	400 KV DURGAPUR(PG)-1(CHECK)	NP-7990-A	
45	SAGARDIGHI(WBSETCL)	400 KV SUBHASGRAM(PG) (CHECK)	LT-0312-A	
46	SAGARDIGHI(WBSETCL)	400 KV FARAKKA(NTPC)-1 (CHECK)	LT-0191-A	
47	SAGARDIGHI(WBSETCL)	400 KV BERHAMPURE(PG)-1(CHECK)	NP-8725-A	
48	SAGARDIGHI(WBSETCL)	400 KV BERHAMPURE(PG)-2(CHECK)	NP-8722-A	
49	SAGARDIGHI(WBSETCL)	400 KV FARAKKA(NTPC)-2(CHECK)	ER-1132-A	



पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise) **पावरग्रिड**



पूर्वी क्षेत्र -I क्षेत्रीय मुख्यालय : बोर्ड कॉलोनी , शास्त्री नगर , पटना - 800023 (बिहार), दूरभाष : 0612.2283002 (इपीएबीएक्स)
Eastern Region -I RHQ. : Board Colony, Shastri Nagar, Patna - 800023 (Bihar), Tel. : 0612-2283002(EPABX)
CIN : L40101 DL 1989 GOI 038121

Ref PG/ER-I/RHQ/COMML./WBSEDCL/13/147

Date 10/10/2019

To,

The Chief Engineer (PTP),

West Bengal State Elect. Distribution Co. Ltd.(WBSEDCL),

7th floor, DJ Block, Vidyut Bhavan, Salt Lake City, Kolkata: 700091

Kind Attn.: Shri Santanu Sarkar

Sub: Request for release of payment of withheld RTDA charges bills

Dear Sir,

- 1.0 ERPC issues monthly Regional Transmisison Devation Accounts(RTDA) as per clause no. 10.1(d) of CERC (Sharing of Inter-state transmission charges and losses) Regulation 2010 & CTU raises the transmission deviation bill based on RTDA issued by ERPC as per clause no. 11.7 of CERC (Sharing of Inter-state transmission charges and losses) Regulation 2010.
- 2.0 However, WBSEDCL since long back has not admitting RTDA bill which amounting to **Rs 2,17,92,680/-** as per last reconciltion signed (Copy Enclsoed). A meeting had also been held at your office on 24-09-2019 regarding subject matter. It is understood from discussion that there is no such mechanism to calculate the transmission deviation charges against each intra state entity & the matter is with WBERC for proper transmission deviation charges sharing methodology.
- 3.0 As the matter is pending in WBERC since long back & the above said amount pending for more that 45 days. It is requested to kindly admit the bills & released payment at earliest so the same could be disbursed to DIC's.

Thanking you.

Yours faithfully,

(M K Agarwal)

Sr. GM (Comml.) & CPIO, ER I

CC:

1. **Shri Ajay Kumar Pandey, Diector(R&T), WBSEDCL, Kolkata – For Kind intervention please.**

Power Grid Corporation of India Limited
Eastern Region-I, Commercial Department, PATNA
Reconciliation of PoC Charges from 01/04/2019 to 30/06/2019. Constituent : WBSEDCL

Sl.	Description	Type of Bill	Bill Nos.	Bill Date	Bill Amount	Admitted Amount	DIFF. Amount	RTGS/Cheque	Payment Details		Rebate	Tax Deducted at Source	Total	O/S As per WBSEDCL	O/S As per POWERGRID	Remarks (if any)
									Date	Amount Paid						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A.	As per last Reconciliation Signed for the Period from 01/01/2019 to 31/03/2019 Dated : 13-06-2019				36,76,38,97,570	36,74,50,14,924	1,88,82,646			32,69,62,15,997	29,50,60,989	2,84,36,13,619	35,83,48,90,605	91,01,24,319	92,90,06,965	
	Payment Received Against	Bill # 1	91106275	11/02/19				RTGS	11/04/19	25,36,84,752			25,36,84,752	(25,36,84,752)	(25,36,84,752)	
	Payment Received Against	Bill # 1	91106412	08/03/19				RTGS	07/05/19	60,76,14,148			60,76,14,148	(60,76,14,148)	(60,76,14,148)	
	Payment Received Against	Bill # 5	B51209WESTBGR0	03/08/12				RTGS	30/04/19	30,42,756			30,42,756	(30,42,756)	(30,42,756)	
	Payment Received Against	Bill # 5	B11207WESTBGR0	29/09/12				RTGS	31/05/19	29,96,011			29,96,011	(29,96,011)	(29,96,011)	
								RTGS	31/05/19	46,745			46,745	(46,745)	(46,745)	
								RTGS	29/06/19	30,42,756			30,42,756	(30,42,756)	(30,42,756)	
01	PoC charges bill for the March 2019.	Bill#1	91106550	05-04-2019	68,89,03,151	68,89,03,151	-		03/06/19	63,14,16,184			63,14,16,184	5,74,86,967	5,74,86,967	
	Credit for STOA				(5,69,59,832)	(5,69,59,832)	-						-	(5,69,59,832)	(5,69,59,832)	
	Rebate Adjustment										5,27,135		5,27,135	(5,27,135)	(5,27,135)	
02	Bill of Supply for POC Bill #3 for October 2018 to December 2018	Bill#3	91302383	23-04-2019	20,77,47,392	20,77,47,392	-	RTGS	21/06/19	20,77,47,392			20,77,47,392			
03	PoC charges bill for the April 2019.	Bill#1	91106689	07-05-2019	92,32,75,617	92,32,75,617	-	RTGS	20/06/19	85,30,18,156			85,30,18,156	7,02,57,461	7,02,57,461	
	Credit for STOA				(7,02,57,461)	(7,02,57,461)	-						-	(7,02,57,461)	(7,02,57,461)	
04	PoC charges bill for the May 2019.	Bill#1	91106831	06-06-2019	92,32,75,617	92,32,75,617	-	RTGS	19/06/19	2,82,360			2,82,360	92,29,93,257	92,29,93,257	
	Credit for STOA				(28,55,92,418)	(28,55,92,418)	-						-	(28,55,92,418)	(28,55,92,418)	
05	Bill of Supply (Deviation Charges ER) for POC Bill #4 for April 2018 to December 2018 as per RTDA	Bill # 4	91401896	18-06-2019	29,10,034	-	29,10,034						-	-	29,10,034	
06	Bill of Supply for POC for January 2019 to March 2019	Bill#3	91302564	21-06-2019	15,64,59,679	15,64,59,679	-						-	15,64,59,679	15,64,59,679	
	Sub Total:-				2,48,97,61,779	2,48,68,51,745	29,10,034			2,56,28,91,260	5,27,135		2,56,34,18,395	(7,65,66,650)	(7,36,56,616)	
	Total PoC Bills upto : 30-06-2019				39,25,36,59,349	39,23,18,66,669	2,17,92,680			35,25,91,07,257	29,55,88,124	2,84,36,13,619	38,39,83,09,000	83,35,57,669	85,53,50,349	

For & on behalf of **WBSEDCL**, P.P. Cell
Kolkata
Sig Superintending Engineer (E)
SREYASI MONDAL
 22/09/19

For & on behalf of WBSEDCL, Finance Department
Kolkata
 Signature
Sr. Manager (F&A)
W.B.S.E.D.C.L.
 22/09/19

For & on behalf of **POWER GRID CORPORATION OF INDIA LIMITED**
Board Colony, Shastri Nagar, Patna-23
RAMAN KUMAR / Chief Manager (Commercial)
 05/03/2019