

EASTERN REGIONAL POWER COMMITTEE

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MINUTES OF 41st COMMERCIAL SUB-COMMITTEE MEETING OF ERPC SCHEDULED TO BE HELD ON 27.11.2019 (WEDNESDAY) AT 11:00 HRS AT ERPC, KOLKATA

ITEM NO. A1: Confirmation of the minutes of the 40th Commercial Sub-Committee meeting held on 02.07.2019.

The minutes of the 40th 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 40th Commercial Sub Committee Meeting.

Deliberation in the meeting:

Members confirmed the minutes of 40th Commercial Sub Committee Meeting.

List of participants is at Annexure-A.

PART B: ITEMS FOR DISCUSSION

ITEM NO. B1: Performance of Constituents of ER after implementation of DSM (5th amendment) Regulations, AGC & SCED of CERC - ERPC Agenda

DSM (5th Amendment) Regulations, 2019 was notified by Honorable CERC on 28th May, 2019. The said amendment has been implemented w.e.f 3rd June, 2019. Accordingly, DSM account is being prepared and issued by ERPC Secretariat as per 5th Amendment Regulations.

ERPC Secretariat shall give a brief presentation on the performance of various constituents after the implementation of the latest regulations.

Members may discuss.

Deliberation in the meeting:

ERPC Secretariat gave a brief presentation on the behaviour of various constituents & grid frequency profile after implementation of DSM (5th amendment) Regulations'2019 and SCED regulations.

During the presentation, it was highlighted that there was significant over drawl by Bihar, West Bengal & DVC and under injection by generators FSTPP-I &II, KhSTPP -II and APNRL.

Particularly, it was observed that there was unrestrained under-injection by APNRL during the months of September & October 2019 and the per unit cost of under-injection was far below their variable charge. Hence, members took serious note of this and APNRL representative assured the forum of adhering to their generation schedule in future.

Keeping in mind about the grid security and stability it was advised to all the constituents to adhere to their schedule. (Copy of presentation enclosed at Annexure –B).

ITEM NO. B2: Establishment of State-of-the-Art Unified Centralized Network Management System (U-NMS) for ISTS and State Utility Communication Network in Eastern Region

CERC notified Communication Regulation which envisages Centralized Supervision System for ISTS Communication.

As per the regulation clause no 7.2 (vii):

“CTU shall be the Nodal Agency for supervision of communication system in respect of inter-State communication system and will implement centralized supervision for quick fault detection and restoration.”

The issue was discussed in 24th SCADA O&M Meeting held at ERLDC on 14th August 2019, wherein Member Secretary, ERPC informed that a Committee is required to form for the assessment of technical requirements to facilitate monitoring of ISTS communication network in line with CERC regulation.

Accordingly, a Committee was formed and the Committee was met on 24th October 2019 at ERLDC, wherein POWERGRID made a detailed presentation on Unified Network Management System (U-NMS) Project to be implemented for managing Project for ISTS & State utilities communication network at State, Regional & National level.

Members discussed the technical aspects of U-NMS proposal and generally found it is feasible technically for the U-NMS proposal. All Constituents have given their consent for implementation of U-NMS Project for Central Sector as well as for the State Sector/Constituents.

Investment made by POWERGRID and it is proposed to be recovered through tariff as notified by CERC. Also, it has been deliberated and agreed that the AMC for U-NMS shall be carried out by POWERGRID itself for Central as well as State sector.

POWERGRID informed that the estimated cost for Eastern Region ISTS and state network U-NMS is ₹ 99.93 Crs excluding AMC cost which is estimated as ₹ 2.6 Crs for 6 years after Warrantee period. U-NMS Project implementation Schedule is considered as 24 months.

Members may approve.

Deliberation in the meeting:

After detailed deliberation, it emerged that the project was initially envisaged based on the guidelines of CERC in respect of certification of Communication system availability by RPCs. The idea was floated by CERC during the draft stage of Tariff Regulations 2019-

2024. However, in the final Tariff Regulations 2019-24, this idea was dropped by the Commission due to lack of clarity.

Powergrid representative informed that based on the technical requirement of the system the U-NMS project is necessary for monitoring of communication network at State, Regional & National level.

POWERGRID was advised to submit the details of the project to ERPC secretariat within a week along with relevant CERC in respect of this project. Further, POWERGRID was asked to also submit revised Cost estimate of the project by considering the state U-NMS project along with breakup of each component, recovery mechanism and apportionment of the cost among constituents etc.

Upon discussion it was also found that the U-NMS project is proposed to be implemented in pan-India basis and the recovery of the cost of the project shall be on all India basis.

POWERGRID informed that the project has already been approved in WR, NR & NER regions.

Further, POWERGRID was advised to give a detailed presentation on the same in forthcoming TCC meeting.

Matter was referred to upcoming TCC/ERPC for further concurrence.

ITEM NO. B3: Full advance payment against NTPC Stations even without Declared Capacity of the Units of the generating stations. – Agenda by GRIDCO (Copy of letter enclosed at Annexure-1).

It is submitted that as per Mop/Gol order dated 28.06.2019 and subsequent orders dated 17.07.2019, 23.07.2019, 09.08.2019, opening and maintaining of adequate Letter of Credit (LC) as payment security mechanism under PPA is mandatory by Distribution Licensees. Further, as per clarification order issued by MOP/Gol vide order dated 09.08.2019, Discoms must ensure that the amount of Letter(s) of credit equals the power purchase requirement for the billing cycle.

In view of said provision, NTPC has requested to open unconditional, irrevocable, revolving Monthly Letter of Credit of ₹ 271. 60 Crs vide its Letter dated 13.08.2019. However, due to want of adequate LC limit, GRIDCO is making advance payment to NTPC for scheduling its power in pursuant to MoP order dated 17.07.2019, where in it is mentioned that in case of difficulty in opening of LC, Distribution Company may pay in advance through electronic mode, the amount equal to at least one day cost of electricity.

However, with such payments some issues are being raised as mentioned in the **Annexure-1** which are not in conformity with CERC (Terms and Conditions of Tariff)2019-24 regulation as well as the existing payment security mechanism with NTPC and GRIDCO.

GRIDCO may elaborate. Members may discuss.

Deliberation in the meeting:

GRIDCO explained the issues pertaining to advance payment against NTPC Stations even without Declared Capacity of the Units of the generating stations. GRIDCO further added that the advance payment does not come under rebate mechanism.

NTPC clarified that the advance payment made by the constituents comes under payment security mechanism and subsequently that would be adjusted for the bills raised by beneficiaries.

Further, it was informed by GRIDCO that the issues have been clarified through the Ministry of Power directives through the order No: 23/22/2019 –R& R (Part-5) notified on 15th Nov, 2019 (Copy of presentation enclosed at Annexure –C).

**ITEM NO. B4: Compensation of MPL station on account of SCED - MPL Agenda
(Copy of letter enclosed at Annexure-2)**

Maithon Power Limited (MPL) has been included in the RRAS & SCED Scheme w.e.f 12th June 2019. Majority of time MPL is getting SCED down schedule only. Due to part load operation of the station, the Compensation has been given to the station due to degradation of heat rate of the station.

In view of the above, ERPC has published the compensation statement for the months June 2019 & July 2019 vide No. ERPC/COM/REA/2019/6885-6897 dated 10.10.2019, Where in it was observed that, in the calculation of compensation the reduction of load of MPL due to part load operation on account of SCED has not been considered for these months.

MPL may elaborate and Members may discuss.

Deliberation in the meeting:

MPL representative explained the issue of not getting full compensation for the station after participation in SCED w.e.f 12th June, 2019. He further added that the compensation on account of SCED was given but the compensation due to under requisition of beneficiaries was not considered.

It was deliberated in the meeting that the share allocation of MPL station is based on fixed LTA quantum (in MW) to beneficiaries unlike other central sector generating stations which are in percentage basis based on the allocation done by Ministry of Power, Govt. of India. Hence, as per prevailing regulations the compensation cannot be calculated on percentage basis for the stations whose share allocation is in MW.

Further, the compensation for central generating station would be given if the average unit loading is less than 85% either due to under requisition of beneficiaries or due to net SCED down schedule.

MPL was asked to sort out the issue with the beneficiaries. In case the issue remains unresolved, MPL is at liberty to file a petition before CERC to get clarification in the methodology of compensation for IPP stations.

However, after discussion it was decided to refer the issue to upcoming TCC for further discussion.

ITEM NO. B5: Payment/Receipt Status from various pool accounts in ER – ERLDC Agenda

B5.1: Payment of Deviation Charge – Present Status.

The status of Deviation Charge payment as on 18.11.2019 is enclosed at **Annexure-3**. The current principal outstanding Deviation Charge of BSPHCL, JBVNL, APNRL and GMR is **₹ 50.28 Cr, ₹ 13.58 Cr, ₹ 3.15 Cr & ₹ 10.76 Cr** respectively considering bill up to 03.11.2019. ERLDC is regularly giving reminders to BSPHCL, JBVNL, APNRL & GMR to liquidate the outstanding Deviation charges.

Further SIKKIM & APNRL are not paying DSM charges on regular basis and waiting for adjustment with the receivable amount.

SIKKIM & APNRL may please pay the Payable amount as per bill within due date instead of waiting for adjustment.

ERLDC may please update.

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

Deliberation in the meeting:

ERLDC confirmed that APNRL & GMR has liquidated the amount ₹ 3.09 Cr & 2.07 Cr. Respectively.

Further, BSPHCL confirmed that the substantial amount would be liquidated by last week of November, 19 and the balance amount would be liquidated by December, 19.

Sikkim & JBVNL representatives were not present in the meeting.

It was decided that ERPC secretariat would write a letter to respective constituents to liquidate their outstanding dues.

B5.2: Interest due to delayed payment of deviation charges

Due to delayed payment of deviation charges in DSM Pool in FY 2018-19, Interest was computed for all the DSM Pool Members. ERLDC vide letter No. संदर्भ : पूक्षेभारप्रेके./एम.ओ/यू-11 /1148 dated 24.06.19 was issued the interest statement for FY 2018-19.

Settlement of delayed payment Interest for 2018-19 for the recipient constituents has been done on 31.05.19. The statement of interest amount as on 18.11.2019 is enclosed in **Annexure-4**. Chuzachen, GMR, NVVN(Nepal), Dikchu, HVDC(Pusauli) and NPGC are requested to clear the dues.

Chuzachen, GMR, NVVN(Nepal), DIKCHU, HVDC (Pusauli) and NPGC may please confirm the program for payment of Interest on account of delayed payment.

Deliberation in the meeting:

NVVN (Nepal), HVDC (Pusauli) and NPGC (NTPC) confirmed that the interest amount would be liquidated at the earliest.

CHUZACHEN, GMR, & DIKCHU were not present in the meeting.

It was decided that ERPC secretariat would write a letter to respective constituents to liquidate their outstanding dues.

B5.3: Reactive Energy Charges --- Present Status.

The updated position of Receipt/Payment of Reactive Energy Charges in the pool as on 18.11.2019 is indicated in **Annexure-5**. The total outstanding receivable on account of Reactive charges from West Bengal, GRIDCO & JBVNL is ₹ 2.31 Cr., ₹ 12.70 Lacs & ₹ 33.36 Lacs respectively. Further, an amount of ₹ 16,436/- on account of Reactive Charges is payable by SIKKIM and not yet paid.

WBSETCL and GRIDCO are regularly paying the reactive charges.

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

Deliberation in the meeting:

SIKKIM & JBVNL were not present in the meeting.

It was decided that ERPC secretariat would write a letter to respective constituents to liquidate their outstanding dues.

B5.4: 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 18.11.2019 (considering bill up to 03.11.2019) is indicated in **Annexure -6**. So far ₹ 46.04 Cr have been settled under RRAS in ER during FY 2019-20.

This is for information.

Deliberation in the meeting:

Members Noted

B5.5: FRAS Account ----Present Status

The updated position of Payments to the FRAS Provider (i.e. NHPC) from the DSM pool and Payments by the FRAS Provider to the DSM pool as on 18.11.2019 (considering bill up to

03.11.2019) is indicated in **Annexure-7**. So far **₹ 1.32 Lacs** have been settled under FRAS in ER during FY 2019-20.

This is for information.

Deliberation in the meeting:

Members Noted

B5.6: 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 18.11.2019 (considering bill up to 03.11.2019) is indicated in **Annexure –8**. So far **₹ 1.46 Lacs** has been settled under AGC in ER during FY 2019-20.

B5.7: Status of PSDF

An amount of **₹ 331.48 Cr** from Deviation & Reactive account has been transferred to PSDF after 40th Commercial sub-committee meeting held on 02.07.19. With this the total amount of **₹ 1295.67 Cr** has been transferred to PSDF so far. The break up details of fund transferred to PSDF (till 18.11.19) is enclosed in **Annexure-8**.

This is for information.

Deliberation in the meeting:

Members Noted

ITEM NO. B6: Reconciliation of Commercial Accounts – ERLDC Agenda

B6.1: Reconciliation of Deviation Accounts

At the end of 2nd quarter of 2019-20, the reconciliation statement (Period: 01.07.19 to 30.09.19) has been issued by ERLDC on 21.10.19 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website at <https://erlhc.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-9**.

DIKCHU & POWERGRID(ER-I) have not reconciled the statement for 3rd quarter and 4th quarter of FY 18-19 respectively.

For 1st quarter of FY 19-20, WBSETCL, Chuzachen, NVVN (BD & Nepal), JLHEP, TUL, TASHIDING and OPGC to be reconciled the statement.

For 2nd quarter of FY 19-20, all pool members except NTPC & MPL are to be reconciled the statement.

Above constituents are once again requested to submit the signed reconciliation statement at the earliest. If the confirmation is not received within 2 weeks from the date of issuance of the letters, the statements issued by ERLDC shall be deemed to have been reconciled.

DIKCHU, POWERGRID(ER-I), WBSETCL, Chuzachen, NVVN (BD& Nepal), JLHEP, TUL, TASHIDING and OPGC may update the status of reconciliation.

Constituents may please reconcile the Statements at the earliest.

Deliberation in the meeting:

ERLDC updated that WBSETCL, TUL, NPGC & BRBCL have reconciled their statements.

POWERGRID(ER-I), NVVN (BD& Nepal) informed that they would reconcile their statements at the earliest.

DIKCHU, Chuzachen, JLHEP, TASHIDING and OPGC were not present in the meeting.

B6.2: Reconciliation of Reactive Account

At the end of 2nd quarter of 2019-20, the reconciliation statement (Period: 01.07.19 to 30.09.19) has been issued by ERLDC on 21.10.19 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-10**.

JUVNL has not reconciled the account since 4th quarter of FY 18-19.

For 1st quarter of FY 19-20, BSPHCL, WBSETCL & SIKKIM have not reconciled the account.

For the 2nd quarter of FY 19-20, no pool member has reconciled the account.

Constituents may please reconcile the Reactive account.

Deliberation in the meeting:

WBSETCL confirmed the Reactive statements have been reconciled.

BSPHCL informed that they would reconcile the statements at the earliest.

Sikkim was not present in the meeting.

B6.3: Reconciliation of RRAS, FRAS & AGC Account

At the end of 2nd quarter of 2019-20, the reconciliation statement (Period: 01.07.19 to 30.09.19) has been issued by ERLDC on 21.10.19 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/>. All have reconciled the RRAS, FRAS & AGC Accounts. The status of reconciliation is enclosed in **Annexure-11**

This is for information to the members.

Deliberation in the meeting:

Members noted

B6.4: Reconciliation for STOA payments made to SLDC / STU:

The reconciliation statements of STOA payments for the period of Apr'18 to Sep'19 have been sent to the DVC, OPTCL and WBSETCL for checking at their end and confirmation from their side. DVC has confirmed for the entire period.

WBSETCL is yet to confirm for the period Jul'18 to Sep-18 and Jul-19 to Sep-19.

OPTCL is yet to confirm for the period Jul-19 to Sep-19.

OPTCL and WBSETCL may update.

Deliberation in the meeting:

ERLDC updated that WBSETCL confirmed the STOA statements have been reconciled

OPTCL informed that they would reconcile the statements at the earliest.

B6.5: Reconciliation for payments made to STOA applicants:

The reconciliation statements of STOA payments for the period of Apr'18 to Sep'19 have been sent to the JITPL, JBVNL and WBSEDCL for checking at their end and confirmation.

JITPL have confirmed for the above period. CESC is yet to confirm for the period Oct -18 to Dec-18. WBSEDCL is yet to confirm for the period Oct-18 to Dec-18 and Apr-19 to Sep-19. JBVNL is yet to confirm for the period Jul-19 to Sep-19.

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-12**

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.

JBVNL and WBSEDCL may take necessary action for signing the statements at the earliest.

Deliberation in the meeting:

WBSEDCL confirmed that the statements have been reconciled.

JBVNL & CESC representatives were not present.

B6.6: 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 favor 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 2019-20 by ER constituents is given in **Annexure-13**. Letters to this effect has been issued by ERLDC to the defaulting entities.

BSPHCL, GATI and DIKCHU, DVC, GRIDCO, NVVN (NEPAL & BD), POWERGRID (ER-I & ER-II) and NPGC has not yet opened/renewed LC.

LC of JLHEP & APNRL is going to expire on 30.11.19 and 31.12.19 respectively.

Defaulting constituents may update.

Deliberation in the meeting:

GRIDCO & BSPHCL confirmed that the LC has already been renewed by the Bank which is yet to be received by ERLDC.

DVC, NVVN (NEPAL & BD), POWERGRID (ER-I & ER-II) informed that they would open required LC at the earliest.

APNRL informed that the required LC would be opened immediately after expiring the present LC.

JLHEP, GATI, DIKCHU, NPGC representatives were not present in the meeting.

ITEM NO. B7: Meter related issues – ERLDC Agenda

B7.1: Replacement of Non-functioning/defective Meters

B7.1.1: Less reading recorded at GAYA end

Meter (ER-1416-A & ER-1447-A) installed at 220kV side of Gaya 400/ 220kV 500 MVA ICT#1 & 3 are showing less reading compare to HV side SEM since 27/07/19. Matter was informed several times to the respective station but the problem still persists.

POWERGRID may please update the status.

Deliberation in the meeting:

POWERGRID updated that the issue has been resolved.

B7.1.2: Zero reading recorded at Deoghar

SEM (NP-6048-B) installed at Deoghar end for 132kV Deoghar - Sultanganj feeder is showing zero reading compare to another end SEM at Sultanganj since 19/09/19.

JUVNL may update the status.

Deliberation in the meeting:

JUVNL representative was not present in the meeting.

B7.2: Non-Receipt /Late Receipt of SEM data from various locations

As per IEGC, weekly SEM data must be sent by respective utilities by every Tuesday to the concerned RLDC. Weekly SEM data from following locations are not being submitted to ERLDC since long.

B7.2.1: Arah, Dehri & Sipara BSPHCL

Ara (BSPTCL) end meter data of 132 KV Ara (PG) Line and Dehri (BSPTCL) end of 220 kV Pusauli (PG)- Dehri & 220kV Gaya (PG) - Dehri D/C line is 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 Ara and Dehri BSPTCL was requested to send the data of meter from above 02 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.

Again, three (3) nos of SEM are installed at Sipara end for 220KV Patna (PG)-Sipara feeders. Out of three, only one meter is reporting to AMR. Rest two meters data was requested to BSPTCL for sending the data manually but data is not received. Similarly, Jagdishpur, Rajgir and Nalanda at BSPTCL end are also not sending the data on weekly basis.

BSPHCL may please respond and POWERGRID may update the program for AMR rectification

Deliberation in the meeting:

ERLDC confirmed Sipara issue has been resolved.

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

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

B7.2.2: 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 Gangtok(PG), BSPTCL(Sonnagar New, Begusarai & Biharshariff), WBSETCL (North Bengal, Gazole, Bidhannagar Alipurduar and Rammam) & SIKKIM

PGCIL, WBSETCL, BSPTCL & Sikkim may update the status.

Deliberation in the meeting:

PGCIL, BSPTCL representatives assured the required data would be sent in time.

WBSETCL & Sikkim were not present in the meeting.

B7.2.3:Reverse polarity issue of Energy Meter

- i) **Begusarai (BSPTCL):** Meter (ER-1344-A) installed at 220 KV Begusarai (BSPTCL)-Purnea(PG) Line-2 at Begusarai end reads with reverse polarity w.e.f 04.09.2019.

BSPTCL may update the status.

Deliberation in the meeting:

BSPTCL representative informed the issue would be resolved at the earliest.

- ii) **Biharshariff (PG):** Meter(ER-1388-A) installed at 220kV side of 500 MVA Biharshariff(PG) ICT-4 at Biharshariff end reads with reverse polarity w.e.f 09.09.2019.

PGCIL may update the status.

Deliberation in the meeting:

PGCIL representative informed the issue would be resolved at the earliest.

- iii) **Darpalli (NTPC) :** Total seven nos of SEMs are installed at Darlipalli end including GT, feeder and 765/132kV ICT and all the meters are connected with reverse polarity.

NTPC may update the status.

Deliberation in the meeting:

NTPC representative informed the issue would be resolved at the earliest.

ITEM NO. B8: Trans-national (Bhutan) metering issue.

B8.1: Reverse polarity of SEM at Deothang and Silicon Factory

As per 157th OCC Meeting of ERPC, shutdown was approved to Motanga S/s subject to availability of SEMs at Deothang and Silicon Factory. Accordingly, SEM of Motanga was shifted to Deothang end and new SEM was installed at Silicon factory. This connection has

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removed w.e.f 27.09.19 and Deothang end SEM is used for Kurichu HEP generation and ER-NER energy computation. SEM at Deothang end has connected with reverse polarity since 02.06.19. Matter is already communicated to NLDC, Bhutan and no corrective action is taken.

Bhutan may please update the status.

B8.2: Non-receipt of weekly SEM data associated with MHP

For energy calculation of Mangdechhu HPS (4X180MW) total 16(sixteen) nos of SEMs have been installed at different locations of Bhutan (Mangdechhu, Jigmelling & Yumro). SEM data of Mangdechhu, Jigmeling and Yumro is not received by ERLDC till date. Due to non-receipt of data, validation and meter healthiness is not yet been checked at ERLDC.

Bhutan may please update the status.

Deliberation in the meeting:

BHUTAN representative was not present in the meeting.

The Matter was referred to forthcoming TCC/ERPC meeting.

ITEM NO. B9: Testing and Calibration of Special type Energy Meter--ERLDC

Availability Based Tariff, Interface Meters (Special Energy Meters) have been installed by CTU at the points of interconnection with Inter-State Transmission System (ISTS) for energy accounting and billing. As per Central Electricity Authority (CEA) notification no. 502/70/CEA/DP & D dated 17.03.2006, all interface meters shall have to be tested at least once in five years using NABL accredited mobile laboratory or at any accredited laboratory. In this regard Clause 18(1) (b) of CEA (Installation and Operation of Meters) Regulations, 2006 state that:

Quote.....

All interface meters shall be tested at least once in five years. These meters shall also be tested whenever the energy and other quantities recorded by the meter are abnormal or inconsistent with electrically adjacent meters. Whenever there is unreasonable difference between the quantity recorded by interface meter and the corresponding value monitored at the billing center via communication network, the communication system and terminal equipment shall be tested and rectified. The meters may be tested using NABL accredited mobile laboratory or at any accredited laboratory and recalibrated if required at manufacturer's works.

.....Unquote

Presently, POWERGRID have installed about 1310 nos. of Special Energy meters of 0.2 class accuracy in 765/400/220/132kV substations at about 189nos of locations in Eastern Region covering states of Orissa, West Bengal, Sikkim, Bihar and Jharkhand.

Out of 1310 no of meters installed in ER, around 768 meters (all L&T make) at 157 locations are more than five years old. Moreover, Testing and calibration of around 307 Interface meters in ER was last carried out in year 2013 i.e more than 6 years ago. A list of 140 no of meters which are severely drifted in time is already communicated to POWERGRID for replacement and accordingly, replacement work has started. In view of the above, remaining 628 meters may be

tested and calibrated as per the provision of aforesaid regulation. Further Time correction of meters of drifted meters may also be done (under testing and calibration).

In 162nd OCC, Powergrid submitted that out of 768 L&T meters, 140 would be removed from service by November 2019. Testing will be done for the remaining meters and the detailed plan for the same including cost of testing would be submitted in the upcoming OCC. Powergrid clarified that in case of any abnormal results found during the testing, those L&T meters would be replaced by Genus meters and the defective L&T meters would be sent for calibration.

In 163rd OCC Meeting held on 15.11.19, POWERGRID informed that they received the offer of 68 Lakhs (approx.) for testing and calibration of said 628 L&T meters.

OCC referred the issue to Commercial Sub-Committee for concurrence.

Members may discuss.

Deliberation in the meeting:

POWERGRID representative informed that the testing and calibration of 628 L&T meters is required as per the provisions of existing metering regulation since they were tested and calibrated a long back. Further, if any, time correction is necessary that would also be done.

However, ERPC and ERLDC opined that CEA is coming up with new metering regulation along with technical specifications (5 min & 15 min provision) of meters for future requirement of grid. Since the testing and calibration of the proposed meters has cost implication, it was agreed that the same may kept in abeyance till issuance of further guidelines or regulations by competent authority.

The Matter was referred to forthcoming TCC/ERPC meeting.

ITEM NO. B10: Implementation of 4th phase AMR including requirement of AMR data for SCADA Comparison – ERLDC

Presently 150 Locations with 998 meters are connected through AMR system in ER. ERLDC is receiving data from 123 locations out of total 150 locations through AMR. The status of data receipt from the locations as on 15.11.2019 is as below:

Status Report of PGCIL AMR	
Summary	
Total Substation	150
Communicating Sub Station	123
Non-communicating Sub Station	27
Total Meter	998
Communicating meter	905
Non-communicating Meter	93

There have been issues with the GPRS communication/DCU/Meter replacement for around 27 locations having 133 meters as mentioned above. The details of Non-communication substations along with probable reason are attached in **Annexure-14**.

In 39th TCC/ERPC Meeting, it was agreed to implement 4th Phase AMR at a cost of Rs 1.75 Cr in place of Rs 93.56 Lakhs approved earlier considering the added requirement of metres, Locations, additional functionality, AMCs etc. ERPC suggested that Powergrid should ensure reliability in data transmission by implementing LAN connectivity through OPGC Network wherever feasible.

In 153rd OCC, Powergrid informed that Works had been awarded to M/s TCS on 23rd December 2018 at a cost of Rs 1.69 Cr after negotiation. Powegrid further added that work would be completed by October 2019. List of 256 Meters and 29 New Locations for 4th Phase AMR is enclosed in **Annexure-15**.

Regarding data integration for SCADA, M/s TCS has informed the status as on 21.06.19 as below:

- Development work as per the original requirement of ERLDC SCADA team has been completed.
- AMR database has been updated as per the latest master file shared by ERLDC.
- Testing and data validation from ERLDC-SCADA team is going on.

In 40th CCM, POWERGRID informed that Phase wise expiry of AMC is commencing from June 2019 onward and Comprehensive AMC plan is being prepared and the same shall be placed at the earliest.

POWERGRID may further update the latest status of implementation.

Deliberation in the meeting:

POWERGRID representative informed that the list of meters for phase wise expiry of AMC and comprehensive AMC plan would be prepared at earliest and the same would be provided to ERLDC.

ITEM NO. B11: Replacement of GPRS communication with Optical Fiber for AMR -ERLDC Agenda

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 39th CCM, Powergrid requested other utilities to share their Fibre details to explore possibilities of using their own optical fiber network, wherever it is available, for communicating with AMR for smooth functioning of AMR.

In 156th OCC, Powergrid informed that optical fiber for AMR had been implemented at 35 locations and rest of the locations would be completed by May 2019.

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.

POWERGRID also informed that optical fiber for AMR has been implemented for 38 locations out of 40 and rest would be completed by August'19. However, M/s TCS has confirmed that total 35 locations out of 40 was connected with LAN and the status is enclosed in **Annexure-16**.

POWERGRID may please further update the latest status.

Deliberation in the meeting:

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.

ITEM NO. B12: Procurement of new SEMs -ERLDC

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 proportional 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 has been delivered.

In 40th CCM, POWERGRID requested ERLDC to provide the list of required anticipated new connections and they will place the cost estimate accordingly.

The list of future requirements of meter details regarding upcoming Generation project/ Sub-station may be furnished to ERLDC.

POWERGRID may update the Stock of meters as well as status of delivery of remaining meters.

Deliberation in the meeting:

POWERGRID informed that they provided the list of upcoming project details for one year. Based on the data provided by PGCIL (ER-I, ER-ii & Odisha Projects), total 202 number of SEMs are required.

PGCIL also confirmed that present stock of meters available is 201(approx.) numbers.

The Matter was referred to forthcoming TCC/ERPC meeting.

ITEM NO. B13: Removal of Meter from identified locations of ER -ERLDC

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-17**. These meters may be utilized in some other locations of ER with the new synchronization of grid elements.

POWERGRID may give their views.

Deliberation in the meeting:

It was deliberated in the meeting that the respective constituents would remove the above mentioned meters at the specified locations of their substations and the same would be collected by PGCIL.

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

ITEM NO. B14: Agenda Items by POWERGRID

B14.1: Preponement of Commissioning of assets of ER-I

It has been planned for installation of following assets under ERSS XX & ERSS XVIII scheme before schedule date of completion (SCOD):

Sl No	Name of Assets	Scheduled Completion	Anticipated DOCO
(i)	400/220 kV, 315 MVA ICT at Banka under ERSS XX	01/05/2020	28/12/2019
(ii)	400/220 kV, 315 MVA ICT at Lakhisarai under ERSS XX	01/05/2020	25/12/2019
(iii)	765kV, 80 MVAR Spare Reactor at Ranchi under ERSS XX	01/05/2020	31/03/2020
(iv)	Re-conductring of 220 kV New Purnea- Purnea line under ERSS XX	01/05/2020	25/12/2019

(v)	Conversion of 63 MVAR fixed line reactor at New Purnea end of one Ckt of New Purnea – Kishanganj 400kV D/C line to Switchable line reactor	01/05/2020	25/12/2019
(vi)	2 nos of 765 kV Line bays along-with 240 MVAR switchable line reactors at Ranchi for 765kV Ranchi-Medinipur line (under TBCB) under ERSS XVIII	01/08/2020	31/03/2020

Ahead of schedule commissioning of the above assets may kindly be agreed considering the requirement of grid.

In 163rd OCC, members agreed to consider preponement of the assets from scheduled completion date to actual commissioning date for Sl no (i) to (vi) in respect of Grid requirement.

Members may agree.

Deliberation in the meeting:

Members agreed to consider preponement of the assets from scheduled completion date to actual commissioning date in respect of Grid requirement.

Matter was referred to forthcoming TCC meeting for further Concurrence.

B14.2: Billing of Auxillary Power Consumption through tertiary of ICTs in POWERGRID sub-stations of Odisha. (Copy of Letter enclosed at Annexure -18)

It was submitted by POWERGRID that in the special meeting held at ERPC office dated 10/07/2018, billing of auxiliary power consumption through tertiary of ICTs in POWERGRID sub-stations would be done based on the meter data of energy consumption uploaded weekly in ERLDC website. Accordingly, the billing shall be done by respective DISCOMs.

However, POWERGRID was noticed that Tertiary Energy Consumption SEM data (being calculated & uploaded by ERLDC) in respect of **Sundargarh Substation** is much higher than the actual energy consumed in the Substation.

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

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

Hence, Actual consumption data and data considered in DSM bill had some considerable difference i.r.o. Sundargarh S/S. Therefore, it is requested that the energy data and concern DSM accounts may be revised accordingly **w.e.f. 23rd October 2017** by ERLDC/ERPC and may be informed to GRIDCO and WESCO for energy billing by DISCOM.

POWERGRID may elaborate & members may discuss.

Deliberation in the meeting:

Members took serious view of the fact that such a huge discrepancy in the actual and considered CT & PT ratios was brought to notice after a lapse of almost two years.

POWERGRID informed that the CT Ratio had been corrected on 31st Oct, 2018 by ERLDC. Further ERLDC was requested to provide the actual energy consumption data to ERPC for the period 23rd Oct,2017 – 31st oct,2018 for revising the corresponding DSM accounts.

It was decided that ERLDC would provide the necessary data for the above period; accordingly, it would be adjusted in upcoming DSM accounts issued by the ERPC.

B14.3: Non Opening of requisite amount of LC :

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

Sl No	Name of DIC's	Amount (in Cr.)	
		Present Value of LC	Value of LC Required
(i)	North Bihar Power Distribution Company Limited(NBPDCL)	9.73	34.50
(ii)	South Bihar Power Distribution Company Limited(SBPDCL)	14.50	51.83
(iii)	South Eastern Railway(SER)	--	3.15
(iv)	East Central Railway(ECR)	--	43.07
(v)	Damodar Valley Corporation(DVC)	--	25.32
(vi)	Power Deptt. Govt. of Sikkim	--	2.92
(vii)	GRIDCO Ltd.	44.00	50.32
(viii)	Nabinagar Power Generation Company Private Limited (NPGCL) *	--	5.68

* LC of an amount of Rs 5.68 Cr is required for Non-PoC bilateral bill for Nabinagar-Gaya line along-with associated bays at Gaya SS.

NBPDCL, SBPDCL, Railways, DVC, Sikkim, GRIDCO & NPGCL may respond.

Deliberation in the meeting:

DVC representative informed that the required LC would be opened at the earliest.

Constituents were advised to enhance/ extend the required LC towards the Payment Security Mechanism and to comply with appropriate CERC Regulations.

Further, Commercial Sub-Committee advised constituents to sort out these issues bi-laterally.

B14.4: New LC Opening towards grant of LTA from NTPC Darlipalli & NPGCL

Sl No	Name of DIC's	Value of LC to be open	Remarks
(i)	GRIDCO	38.38	LC required for 748 MW LTA from

			NTPC Darlipalli
(ii)	Jharkhand Bijli Vitran Nigam Limited (JBVNL)	5.49	LC required for 117.64 MW & 60.81 MW LTA from NTPC Darlipalli & NPGCPL respectively
(iii)	Power Deptt. Govt. of Sikkim	0.33	LC required for 15.29 MW & 10.13 MW LTA from NTPC Darlipalli & NPGCPL respectively
(iv)	West Bengal State Electricity Distribution Company Ltd.(WBSEDCL)	8.68	LC required for 283.75 MW LTA from NTPC Darlipalli
(v)	North Bihar Power Distribution Company Limited(NBPDCL)	19.92	LC required for 60.45 MW & 587.62 MW LTA from NTPC Darlipalli & NPGCPL respectively
(vi)	South Bihar Power Distribution Company Limited(SBPDCL)	33.10	LC required for 90.67 MW & 985.86 MW LTA from NTPC Darlipalli & NPGCPL respectively
	Total	105.90	

The above LC for requisite value and validity required to be opened as per CERC Regulations. The non-availability of LC causing serious problem for POWERGRID to comply with the provisions of CERC Regulations.

GRIDCO, JBVNL, Sikkim, WBSEDCL, NBPDCL & SBPDCL may update the status.

B14.5: Request for signing of Supplementary LTA agreement :

Sl No	Name of DIC's	Supplementary LTA agreement for NTPC Dalipalli	Supplementary LTA agreement for NPGCPL
(i)	Jharkhand Bijli Vitran Nigam Limited (JBVNL)	Yet to be Signed	Yet to be Signed
(ii)	Power Deptt. Govt. of Sikkim	Yet to be Signed	Yet to be Signed
(iii)	West Bengal State Electricity Distribution Company Ltd.(WBSEDCL)	Signed	NA
(iv)	North Bihar Power Distribution Company Limited (NBPDCL)	Yet to be Signed	Yet to be Signed
(v)	South Bihar Power Distribution Company Limited (SBPDCL)	Yet to be Signed	Yet to be Signed

JBVNL, Sikkim, WBSEDCL, NBPDCL & SBPDCL may respond.

Deliberation in the meeting: (B14.4 & B14.5)

Constituents were advised to open requisite amount of new LC towards grant of LTA and to sign supplementary LTA agreements from NTPC Darlipalli & NPGCL. Further, it was suggested to comply with appropriate CERC Regulations.

Further, Commercial Sub-Committee advised constituents to sort out these issues bi-laterally.

B14.6: Non-payment of RTDA bills

The following DIC's have not paying RTDA bills:

Sl No	Name of DIC's	Outstanding dues	Remarks
(i)	West Bengal State Electricity Distribution Company Ltd. (WBSEDCL)	2.17	Letter has been written by POWERGRID to WBSEDCL enclosed as (Annexure 19)
(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. With drawl letter received from NTPC enclosed (Annexure 20)
(iii)	NTPC Vidyut Vyapar Nigam Ltd.(NVVN)	3.30	Special meeting had been convened on 08th Nov'19. In that meeting NVVN has agreed to pay the amount.

WBSEDCL, NTPC & NVVN may update.

Deliberation in the meeting:

NVVN representative informed the payment is under process.

Constituents were advised to liquidate the outstanding payments towards RTDA bills and to comply with appropriate CERC Regulations.

Further, Commercial Sub-Committee advised constituents to sort out these issues bi-laterally.

B14.7: Payment of Outstanding dues more than 45 days

Sl No	Name of DIC's	Amount (in Cr.)	
		Total Outstanding dues	Outstanding due more than 45 days
(i)	Vedanta Ltd.	11.59	11.59
(ii)	GMR Kamalanga Energy Ltd.	53.10	35.49
(iii)	Jindal India Thermal Power Limited	10.40	2.55
(iv)	Ind-Barath Energy (Utkal) Limited	220.54	220.54
(v)	Dans Energy Pvt. Limited	79.86	79.86
(vi)	Jal Power Corporation Limited	48.71	48.71

(vii)	Damodar Valley Corporation (DVC)	217.03	189.68
(viii)	West Bengal State Electricity Distribution Company Ltd.(WBSEDCL)	154.26	4.94
(ix)	GRIDCO Ltd	23.26	23.26
(x)	TeestaValley Power Transmission Ltd (TPTL)	5.75	5.75
(xi)	Teesta Urja Limited (TUL)	8.50	8.50
(xii)	Power Deptt. Govt. of Sikkim	12.90	8.19
(xiii)	Jharkhand Bijli Vitran Nigam Limited (JBVNL)	56.51	15.74
(xiv)	North Bihar Power Distribution Company Limited(NBPDCL)	147.62	34.58
(xv)	South Bihar Power Distribution Company Limited(SBPDCL)	214.24	75.75
(xvi)	NTPC Limited	34.75	34.75
(xvii)	NTPC Vidyut Vyapar Nigam Ltd.(NVVN)	3.30	3.30
	Total	1302.32	803.18

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

(viii) The outstanding pertaining to WBSEDCL (Surcharge @ Rs. 2.74 Cr & Bill # 4 @ Rs. 2.20 Cr). WBSEDCL has agreed to pay Surcharge bill in 24 monthly installment & started making payment in the month of August'18. Till date they had paid Fifteen (15) installments. However, WBSEDCL has not admitted Rs. 2.20 Cr towards Bill # 4.

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

Respective members may update

Deliberation in the meeting:

Members noted

B14.8: List of Assets commissioned by POWERGRID is enclosed at **Annexure-21**.

Members may please note.

Deliberation in the meeting:

Members noted

PART C: ITEMS FOR INFORMATION

ITEM NO. C1: Non-payment of Deviation Charges by IBEUL

IBEUL is not paying Deviation charges in ER DSM Pool since 12.04.2017 (almost 2 years) and present outstanding amount payable by M/s IBEUL towards principal deviation charges is **₹ 112.50429 Lac** considering bill up to 02.06.2019 (However, there is no power flow in the

circuits) and ₹ 34.40 Lac against the delayed payment interest of deviation charges till 31.05.19.

A petition 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 petition no. 230/MP/2018 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 in NCLT on 31.05.2019 and the same is admitted by NCLT.

This is for information.

ITEM NO. C2: STU and SLDC Transmission & Operating charges.

C2.1: STU Charges and Losses applicable for STOA for FY 2019-20

As available with ERLDC the STU charges and losses to be considered for STOA for FY 2019-20 are as follows:

Name of STU	Intra-State Transmission Charges	TRANSMISSION LOSS (For Embedded entities)
WBSETCL	Rs. 217.85 /MWh ¹	3.10%
DVC	Rs. 143.7 / MWh	2.68%
OPTCL	Rs. 62.5 / MWh	3.00%
JUSNL	*	#
BSPTCL	*	#
SIKKIM	*	#

¹ Intra State Transmission Charges for West Bengal has been changed to Rs. 217.85/MWh from Rs. 80/MWh w.e.f 17.11.19 as per intimation received from West Bengal SLDC vide letter reference no SLDC/HOW/92C/2019-20/879 dated 15.11.19 and mail dated 16.11.19.

* 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.

C2.2: State Load Despatch Centre Operating Charges for STOA for FY 2019-20

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.

ITEM NO. C3: Information of Deviation/reactive payment in ER pool account

Constituents of Eastern region are making payment of Deviation charge, Reactive Charge, RAAS in ER Pool Accounts. However ERLDC is not getting details of payment made in ER pool account from all constituents. In 31st and subsequent CCM, all the ER pool members were requested to send the details of payment in the format to ERLDC in the email account at erldcomm1@posoco.in. WBSETCL, NTPC, APNRL, DANS Energy, Shiga Energy, TPTCL and MPL are sending the details. DVC is sending through Hard Copy. Other constituents viz BSPHCL, JUVNL, GRIDCO, SIKKIM, PGCIL(HVDC), may also furnish the details of payment made in ER Pool.

S.No	Name of Utility	Amount	DSM/Reactive Account Week No	Date	Cheque No	Mode of Payment

Members may note for compliance.

ITEM NO. C4: Commissioning of 400 kV D/C Farakka-Baharampur line under ERSS-XV of ER-II.

400 kV D/C Farakka -Baharampur line along-with associated line bays at Farakka & Baharampur under ERSS-XV has been commissioned on 03.09.2018 (DOCO). Earlier there was only one ckt of 400 kV line of twin moose from Farakka to Baharampur, which had constrained for reliable transfer of power from India to Bangladesh.

With commissioning of this D/C line, dedicated and secured connection with Farakka has been established for reliable transfer of power to Bangladesh.

This is for information to the members.

ITEM NO. C5: Change of Bank Account Details:

ERLDC has moved the DSM, Congestion, Reactive pool account and STOA account from existing Axis Bank to SBI. The detail of bank accounts are already conveyed to all pool members vide ERLDC letter no.ERLDC/MO/U-07/2639-2670 dated 09.10.2019 and ERLDC/MO/2676 dated 10.10.19 respectively. The same is also available in <https://erldc.in/market-operation/bank-details/> and <https://erldc.in/open-access/accountdetails/> . This is for information and records to the members. The details are tabulated below:

Account Name	Corresponding CERC Regulation	Account No	IFSC Code	Branch Name
POSOCO ERPC Deviation Pool A/c	Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2014	38763480328	SBIN0001505	SBI Southern Avenue Branch
POSOCO ERPC Reactive Pool A/c	Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010	38763480599	SBIN0001505	SBI Southern Avenue Branch
POSOCO	Central Electricity	38763480689	SBIN0001505	SBI Southern

Congestion Charges A/c	Regulatory Commission (Measures to relieve congestion in real time operation) Regulations, 2009			Avenue Branch
ERLDC SHORT TERM OPEN ACCESS A/C	Central Electricity Regulatory Commission (Open Access Inter-State Transmission) Regulations, 2008 and detailed procedure for scheduling.	38763705604	SBIN0001505	SBI Southern Avenue Branch

PART D: Additional Agenda Items



GRIDCO LIMITED

(A Govt. of Odisha Undertaking)
(Formerly Grid Corporation of Orissa Limited)
Regd. Office: Janpath, Bhubaneswar-751022
CIN: L40109OR1995GC003960

Ref: GRIDCO-PP-466/2009(Pt-I)-

4761

Date: 22.11.19

To

The Member Secretary, ERPC,
14, Golf club Road, Tollygunj, Kolkata-700033
Fax No:-033-24221802, 24221358
Email-erpc.gov.in

Sub: Agenda of GRIDCO to 41st Commercial Sub-Committee Meeting to be held at
ERPC on dated 27.11.2019.

Ref: - 1. SGM (PS)-PL-419/2016/1373(5) dated 13.05.2019 of CLD, SLDC Odisha.
2. SGM (PS)-PL-419/2016/2030(5) dated 10.07.2019 of CLD, SLDC Odisha.

Sir,

As per the letters under reference (copy enclosed), the following points to be incorporated as an agenda of GRIDCO in the 41st Commercial Sub-Committee meeting to be held at ERPC on dated 27.11.2019 for amicable settlement.

- 1) Regarding reconciliation of Reactive A/C for revision of the Reactive energy account for the period from dated 24/10/2016 to 03/12/2017 of 27 nos. of week periods due to non-inclusion and wrong reflection in reactive energy statement of the following Interstate Tie Lines :
 - 220kV Bolangir PG)-Katapali, 220kV Bolangir(PG)-Sadeipali, 400kV Sterlite-Raigarh of Line 1 & 2, 400kV Sterlite-Rourkela Line 1 & 2, 220kV Rourkela(PG)-Tarkera line 2, 400kV Sundargarh(PG)-Sterlite line 1 & line 2, 400kV New Duburi-Baripada(PG) line and 400kV Meramundali-Angul(PG) line 1 & 2. (Letter No. 2030(5) dated 10.07.2019). The supporting data in this regard has already been furnished to your good office earlier vide our letter under reference.

It has been observed that the net reactive energy charges towards such differential MVARh comes to Rs. 22556255.00/-approximately which

needs to be deducted from the reactive energy charge claimed on GRIDCO.

- 2) Revision of DSM accounts of GRIDCO for the period from dated 04.05.2016 to 02.12.2018, due to erroneous less Energy data reported at Bolangir (PGCIL) end SEM of 220kV Bolangir (PG)-Katapali line (letter No. 1373(5) dated 13.05.2019). The supporting data in this regard has already been furnished to your good office earlier vide our letter under reference. In the above premises, the DSM accounts of GRIDCO needs to be revised accordingly.
- 3) In 162nd OCC meeting at Item-B-8, it was observed that the Special Energy Meters installed at inter connection points of the inter-State Transmission System (ISTS) have not been calibrated/time synchronized since more than 6 years for which the Deviation charges levied on the beneficiary GRIDCO cannot be granted as authentic. The time drift in the energy meters should not be passed on to the beneficiaries in DSM Charges. The energy meters should be suitable, subjected to calibration and those found to be non-compliant to specified accuracy class should be replaced with fresh and calibrated DLMS compliant Special Energy Meter of reputed make so as to avoid accounting of incorrect Deviation charges. Further such DLMS energy meters should be user-friendly for smooth downloading and time synchronization by OPTCL. The cost involved towards such replacement/calibration/testing/Time synchronization of Energy meters should be met from the PSDF account without burdening the Electricity consumers.
- 4) Declaration of 400KV OPGC-Jharsuguda (PG) DC line as Inter-State Tie line of Odisha :- Subsequent to Direction of CERC in its RoP dated 31.10.2019 & meeting held at ERPC on 20th Nov'2019 to discuss and sort out the technical and commercial issues involved wherein the closed bus operation of Unit #3&4 of OPGC was deliberated, ERLDC & OPGC stated that with closing of Bus Sectionalizer at OPGC, the entire State Transmission Utility (STU) system is getting connected to Inter State Transmission System (ISTS). Moreover connectivity was granted for 660 MW capacity not explicitly to UNIT# 4 of OPGC. Such stand was also explicitly explained by Member Secretary, ERPC in earlier meeting held on 20.10.19 at ERLDC Kolkata. In view of the above, GRIDCO hereby request to consider the Unit #4 of OPGC as State Embedded unit pursuant to closed bus operation & the 400KV OPGC-Jharsuguda (PG) DC to be christen as Inter-State Tie line of Odisha similar to existing 40 nos. of Inter-State Tie line of the state through which the power transaction between STU & ISTS takes place.

- 5) Correction of STOA OFFSET quantum:-The Short Term Open Access (STOA) offset reflected in PoC Bill #1 (Monthly Transmission charge) of Odisha raised during 2018-19 Q2 & Q3 is based on the Net Withdrawal figure of 1412 MW & 1384 MW for the respective quarters. But after examining the PoC data, it is found that NLDC has published the Net Withdrawal figure for Odisha as 1675 MW & 1562 MW for Quarter Q2 & Q3 of 2018-19 respectively basing on which the PoC Transmission charges has been determined for Odisha. In view of the higher Net Withdrawal figure, STOA offset of Odisha will undergo upward revision.

In view of the above NLDC data, GRIDCO has requested CTU to recalculate the STOA offset for the aforesaid period & accordingly to adjust the amount in Sept 2019 Bill #1. But till date the revision has not yet been done.

Encl: As above

Yours faithfully

Srinivas
22/11/19
CGM (PP)

Deliberations of additional Agenda Items by GRIDCO:

D.1) Calibration & Testing of SEMs installed at ISTS of GRIDCO

Deliberation in the meeting:

This agenda point has been discussed at ITEM NO: B13 of main agenda and accordingly GRIDCO was advised to furnish a list of meters with severe time drift and other deficiencies and take up the matter with POWERGRID simultaneously for replacement of the same with unused functional meters.

D.2) Declaration of 400 kV OPGC –Jharsuguda (PG) D/C line as Inter-State tie line of Odisha.

Deliberation in the meeting:

GRIDCO requested to consider the Unit #4 of OPGC as State Embedded unit pursuant to closed bus operation of U#3 & U#4 of OPGC Expansion project & the 400KV OPGC-Sundargarh (PG) D/C line should be treated as Inter-State Tie line of Odisha similar to other existing Inter-State Tie line of the state through which the power transaction between STU & ISTS takes place.

It was deliberated that the Unit # 4 of OPGC is already being considered as embedded entity of GRIDCO w.e.f and energy accounting is being done accordingly.

MS, ERPC further intimated that based on the outcome of the petitions filed before CERC by ERLDC & OPGC on this issue, the commercial accounts of GRIDCO/OPGC for the intervening period shall be revised.

D.3) Correction of STOA OFFSET quantum

Deliberation in the meeting:

GRIDCO informed that the issue of Short-Term Open Access (STOA) offset reflected in POC Bill #1 (Monthly Transmission charge) of Odisha has been taken up with CTU as well as NLDC, but till date the issue has not been resolved.

In view of the above, MS, ERPC advised to write a letter to ERPC Secretariat along with details of the issue to take up further with CTU & NLDC.

ANNEXURES


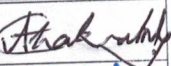

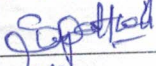



ERPC::KOLKATA**ATTENDANCE SHEET****41st COMMERCIAL SUB-COMMITTEE MEETING(CCM)**

VENUE: ERPC CONFERENCE ROOM,KOLKATA

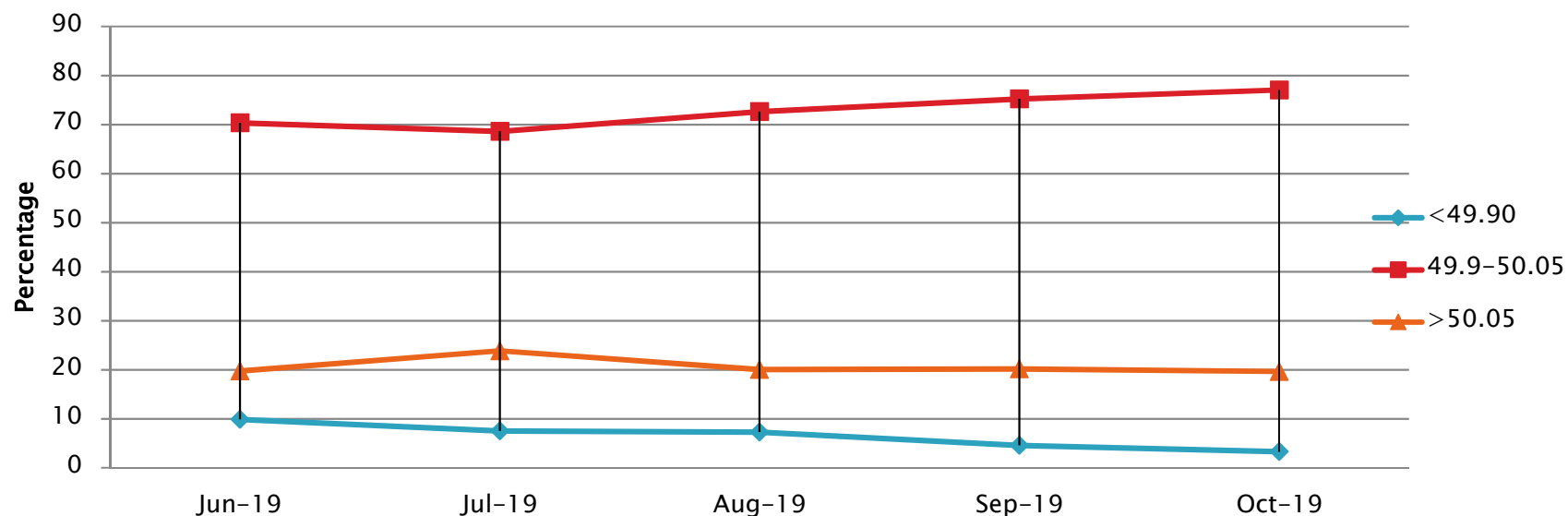
TIME: 11:00 HRS

DATE:27.11.2019 (WEDNESDAY)

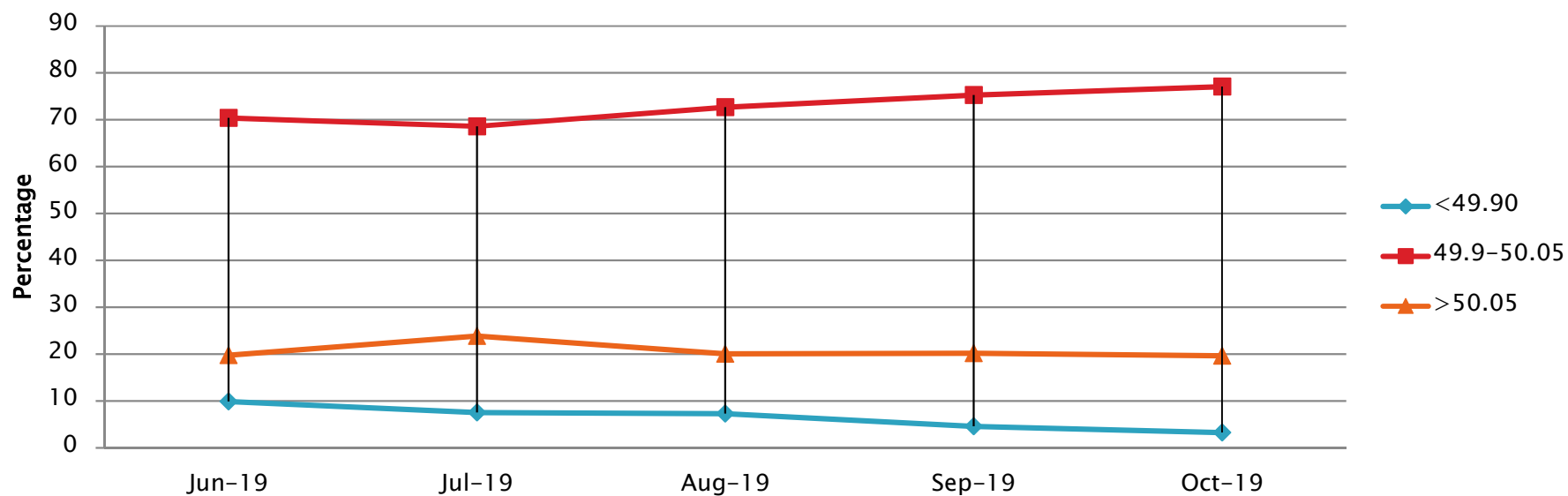
Sl. No.	Name	Designation & Organisation	Contact Number	E-mail Id	Signature
1	J.BANDYOPADHYAY	MS,ERPC	9432326351	mserpc-power@gov.in	
2	S. Kejriwal	SE,ERPC	9831919509	shyam.1211@gmail.com	
3	G. Mitra	Sr. GM, ERLDC			
4	Nadim Ahmad	CM (MOD)ERPC	9432257111	naadim@posoco.in	
5	Raman Kumar	CM (Comm.) POWERGRID	0943162342	raman.kumar@powergrid.co.in	
6	MANAS DAS	CM, ERLDC	9107070928	manas.das@posoco.in	
7	BK PRADHAN	POWERGRID ER-II	9431742021	bkpradhan@powergrid.co.in	
8	SUBRAT A GHOSH	DVC	9432672063	Subratghosh@gmail.com	
9	S.K. KAR	Gm (Comm), NTPC	9438233225	sekar@ntpc.co.in	
10	Sunit Kumar	AGM (Comm.), NTPC	7091091020	sunitkumar@ntpc.co.in	
11	Kallol Sarkar	AGM (Comm.), NTPC	8902499534	kallolsarkar@ntpc.co.in	
12	Rajeev Kumar	AGM (Comm), MPL	9234500743	rajeevkumar@tatapower.co.in	
13	Pankaj Mondal	LE Comm, MPL	7775014816	Pankaj.mondal@tatapower.co.in	
14	ANISH CHAKRABORTY.	ASST. MANAGER, POWER TRADING, APNCL.	8585078443	anishchakraborty@ashnikgroup.co.in	
15	Shabari Pramanick	Asst. Manager, ERLDC	91007058764	shabari.pramanick@posoco.in	
16	Pinki Debnath	Manager, ERLDC	9007079914	pinkidebnath@posoco.in	
17	Shivam Asati	AD-II, ERPC	8253035332	shivamasati786@gmail.com	
18	J. G. Rao	EE, ERPC	9547891353	ganesh.jade@gov.in	
19	S.K. Pradhan	AD, ERPC	8249244719	shichir.1505@gmail.com	
20	A. De	AD, ERPC	9681932906	alik.erpc@gov.in	
21	S.P. Datta.	AGM, ERPC	9433067022	spdatta@erpc.gov.in	
22	Lenin-B	AGG, ERPC	8335905973	lenin-ee@gov.in	
23	Shri Mohan Jha	Consultant-ERPC	6289127726	erpcjha@yahoo.co.in	

Sl. No.	Name	Designation & Organisation	Contact Number	E-mail Id	Signature
24	S. K. SAHU	DGM (AM/IT) POWERGRID, Odisha	9078883693	SKSahu@Powergridindia.com	
25	A. CHAKRABORTY	SR. MANAGER (FPA)-PTCL WBSE DCL	9836699161	cept@p.wbseclcl@gmail.com	
26	RAJDEEP BHATTACHARJEE	ESE, RE BSPHCL, KOLKATA	9830380689	rekolbsphcl@gmail.com	
27	SAUNDARYA KUMAR PATTANAYAK	AGM (EL), OPTCL	943890724	it.skpattanayak@optcl.co.in	
28	Harapriya Behera	AGM (EL) Gridco	9438907021	hp.gridco@gmail.com	
29	S. Sahana	Mgr (Comm) Powergrid, Kol	9434748024	satyabansahana@powergridindia.com	
30	I. Shree Singh Baghel	APNRL Asst Manager	9303546698	ishreesinghbaghel@gmail.com	
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Annexure-B



	FSTPP I&II		KHSTPP II		APNRL		TEESTA	
	Sep'19	Oct'19	Sep'19	Oct'19	Sep'19	Oct'19	Sep'19	Oct'19
Dev(MWH)	-22108	-1723	7303	-6443	-12106	-6025	8879	9665
Total DSM Payable/Receivable(Lakhs)	-516.92806	-62.69637	-132.69252	-110.67114	-173.18047	-95.82696	210.35456	232.73029
Per Unit Rate(Rs.)	2.35	3.64	1.82	1.72	1.43	1.59	2.37	2.41
ECR(Rs.)	2.41	2.53	2.11	2.07			1.16	1.16
Avg ACP(Rs.)	2.74	2.71	2.74	2.71	2.74	2.71	2.74	2.71



	WBSETCL		BSPHCL		DVC		SIKKIM	
	Sep'19	Oct'19	Sep'19	Oct'19	Sep'19	Oct'19	Sep'19	Oct'19
Dev(MWH)	-22628	-32261	48850	41550	-17185	-46951	-1266	1470
Total DSM Payable/Receivable(Lakhs)	-548.78092	-821.61155	-376.02782	97.15292	-504.47096	-1672.33140	-39.92644	9.91584
Per Unit Rate(Rs.)	2.43	2.55	0.77	0.23	2.94	3.56	3.15	0.67
Avg ACP(Rs.)	2.74	2.71	2.74	2.71	2.74	2.71	2.74	2.71

SCED ACCOUNT OF EASTERN REGION - APR'19 TO SEP'19

S.N.	SCED Generators	Increment due to SCED scheduled to VSCED [Eastern] (MWhr) (A)	Decrement due to SCED scheduled to VSCED [Eastern] (MWhr) (B)	Charges to be paid to SCED Generators from National Pool(SCED) (in Rs) (C)= (A)xV.C.	Charges to be Refunded by SCED Generators to National Pool(SCED) (in Rs) (D)= (B)xV.C.	Net Charges Payable(+)/Receivable(-) (in Rs) (E)*= (C)-(D)
1	FSTPP I & II	330903	189502	799099978	446949107	352150871
2	FSTPP-III	62582	34098	150094701	82054206	68040495
3	KHSTPP-I	129685	69112	294609853	157460140	137149713
4	KHSTPP-II	272380	68088	586602973	149266031	437336942
5	TSTPP-I	39647	59745	76345659	116263088	-39917429
6	BARH	233994	201329	538978945	464713103	74265842
7	BRBCL	161030	52061	334523785	112572851	221950934
8	MTPS-II	86702	62898	236066202	176872538	59193664
9	MPL	65413	191320	177520990	522617345	-345096355
10	NPGC	10998	9771	25360794	22532595	2828199
	TOTAL	1393332	937924	3219203880	2251301004	967902876



GRIDCO Limited

(A Govt. of Odisha Undertaking)

Regd. Office : Janpath, Bhubaneswar - 751022, Odisha

Phone : 0674-2541127, Fax : 2543452

E-mail: dircommercial@yahoo.com, website : gridco.co.in

CIN: L40109OR1995SGC003960

No Sr.GM-PP/62/2017

Dtd

From

The Director (Commercial)
GRIDCO Ltd.

To

The Member Secretary,
ERPC, 14, Golf Club Road,
Tollygunge, Kolkata,
West Bengal-700033,
Fax: 033- 24239652/53,
email- mserpc-power@nic.in

SE (Key) (re) (val)
Pt. Keep it as Commercial Committee Agenda.
Lenin (AEE)
8/11/19

Sub: Full advance payment against NTPC Stations even without declared capacities of the Units of the generating stations.

Ref:-1) MoP Order Dtd 28.06.2019 regarding Opening and maintaining of adequate Letter of Credit (LC) as payment Security Mechanism under Power Purchase Agreement by Distribution Licensees and the subsequent orders Dtd 17.07.2019, 23.07.2019 & 09.08.2019

2) Minutes of 41st TCC & ERPC Meeting Dtd 26th and 27th August'2019

Sir,

As per MoP/Gol order dtd 28.06.2019 and subsequent orders dtd 17.07.2019, 23.07.2019, 09.08.2019, opening and maintaining of adequate Letter of Credit (LC) as payment security mechanism under Power Purchase Agreement is mandatory by Distribution Licensees. Further, as per clarification order issued by MoP/Gol vide order dtd 09.08.2019, Discoms have to ensure that the amount of Letter(s) of credit equals the power purchase requirement for the billing cycle. In view of said provision, NTPC has requested to open unconditional, irrevocable, revolving Monthly Letter of Credit of Rs 271. 60 Crs vide its Letter dtd 13.08.2019. However, due to want of adequate LC limit, GRIDCO is making advance payment to NTPC for scheduling its power in pursuant to MoP order dtd 17.07.2019 where in it is mentioned that in case of difficulty in opening of LC, Distribution Company may pay in advance through electronic mode the amount equal to the amount corresponding to at least one day's purchases of electricity. However, with such payment following issues are raised which are not in conformity with CERC (Terms and Conditions of Tariff), Regulation as well as the existing payment security mechanism with NTPC and GRIDCO

(i) The payment of NTPC is secured by Tri-Partite Agreement executed between Ministry of Power/ Govt. of India, Govt. of Odisha and Reserve Bank of India (RBI). Further, GRIDCO has also accepted composite rebate scheme of NTPC and as per clause 2.3 (ii) of the scheme wherever payment is secured by Tripartite Agreement and monthly LC has not been established, LC can be



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From

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To

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SE (Key) (re) (val)
Pt. Keep it as Commercial Committee Agenda.
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8/11/19

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revolved and operated up to a maximum 4 times in a month. Accordingly, weekly LC is existing and graded rebate was being allowed up to 45 days of billing, prior to the implementation of MoP/Gol order dtd 28.06.2019. However, upon the implementation of MoP/Gol order, the existence of NTPC Composite Rebate scheme has ceased to exist as well as the flexibility of payment by a beneficiary within 45 days of billing is also lost. ***The beneficiaries have to make payment in advance even though the generating stations declared capacities are zero or requisition from the plant is zero. The declared capacities of the different NTPC stations during Sept'19 is enclosed as Annexure-1 of this letter.***

(ii) It is pertinent to mention here that, Rebate issues has not been addressed in MoP/Gol order. As per CERC (Terms and conditions of Tariff), Regulation 2019, as per clause 58, for payment of bills of generating company and transmission licensees within a period of 5 days, a rebate of 1.5% shall be allowed. Similarly, in case of NTPC rebate scheme, rebate of 1.65% is allowed for payment on 1st day of presentation of bills. Further, graded rebates are being availed by GRIDCO for payment within 45 days of billing depending on the date of payment. ***However, incentive/additional rebate due to advance/prompt payment being made by GRIDCO is not mentioned in the MoP/Gol order.***

(iii) It is observed that, though the declared capacities of generating stations are very less than the normal, yet GRIDCO has to make full payment in advance in order to avoid restrictions by NLDC/RLDC. ***Hence, the MoP/Gol may be requested to review the "Procedure for scheduling of power to Distribution Licensee in the event of non-maintenance of L/C " dtd 17.07.2019.***


(iv) As per clause no. 34 (a) of CERC (Terms and Conditions of) Tariff Regulation, 2019 for coal based /lignite fired thermal generating station, Interest on Working Capital comprised of receivables equivalent to 45 days of capacity charge and energy charge for sale of electricity calculated on the normative PAFM. However, upon implementation of MoP/Gol Order, NTPC is getting Capacity Charge and Variable Charge prior to the serving of bills. ***Hence, beneficiaries are passing additional amount of benefit to the concerned generating stations through advance payment due to which the Fixed Cost needs to be re-determined.***

In this regard a letter has been already issued by GRIDCO to MoP/Gol (Copy of the letter attached for reference). It also requested before ERPC to kindly take up the matter with MoP/Gol as discussed in 41ST TCC/ERPC meeting dtd 26th /27th Aug'19 in order to amend the notification on Payment Security Mechanism in light of the aforementioned points.

Thanking You.

Encl: As above

Yours Faithfully,


Director (Comm)

28.10.2019

SUMMARY OF DEVIATION CHARGE RECEIPT AND PAYMENT STATUS

BILL UPTO 03.11.19 (Week -31 of 2019 - 20)

Last Payment Disbursement Date - 18.11.19

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
WR	210.84086	0.00000	167177.16052	158695.84287	-8270.47679
SR	73349.22856	64813.16647	10012.36734	10056.49192	8580.18667
NER	68294.24695	68268.60186	13837.57885	13803.88317	-8.05059
NR	46094.37150	46782.22208	14898.58644	12971.78716	-2614.64986
BSPHCL	5722.62036	467.19037	227.19846	0.00000	5028.23153
JSEB	4650.73446	3095.42315	197.53561	0.00000	1357.77570
DVC	4122.47932	3647.53540	1897.31286	2058.12130	635.75236
GRIDCO	11038.06154	11031.00956	659.35290	359.21481	-293.08611
WBSETCL	11533.26455	10879.76914	264.06639	267.33635	656.76537
SIKKIM	278.12302	0.00000	357.68623	0.00000	-79.56321
NTPC	7248.14542	7110.81751	72.47353	39.60570	104.46008
NHPC	123.49227	39.91657	1335.87553	1202.38179	-49.91804
MPL	79.84339	79.84339	315.85575	282.56692	-33.28883
MTPS STG-II	756.91260	719.82339	2.45543	2.45543	37.08921
APNRL	870.19054	555.47229	0.00000	0.00000	314.71825
CHUZACHEN (GATI)	84.58427	75.70962	67.67265	66.08648	7.28848
NVVN(IND-BNG)	2214.94937	2165.20292	3.40866	3.40866	49.74645
JIITPL	405.71869	396.29576	51.38963	51.38963	9.42293
GMR	1947.04072	865.71791	5.37829	0.00000	1075.94452
IND BARATH	112.50429	0.00000	0.00000	0.00000	112.50429
TPTCL(DAGACHU)	2122.63381	2069.24130	0.00000	0.00000	53.39251
JLHEP(DANS ENERGY)	633.17202	609.96281	9.65741	9.79538	23.34718
BRBCL(Nabinagar)	529.43616	529.24803	95.85242	86.93950	-8.72479
NVVN (IND-NEPAL)	718.84209	714.53069	78.35736	59.11260	-14.93336
HVDC SASARAM	67.54656	43.54631	158.55178	153.72946	19.17793
HVDC ALIPURDUAR	126.08265	100.01590	217.79298	208.51625	16.79002
TEESTA-III	1436.76210	1436.76210	576.80878	584.56254	7.75376
DIKCHU	160.02088	98.61239	327.88484	327.67788	61.20153
TASHIDING(THEP)	263.26297	263.26297	178.75088	189.15268	10.40180
OPGC	440.38333	440.38333	3028.92286	3028.92286	0.00000
NPGC	1050.91521	1042.52203	2520.85583	2506.68706	-5.77559
TOTAL	246686.41046	228341.80525	218576.79021	207015.66840	

As on

18.11.19

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

Annexure - 4

Deviation Interest Bill due to delay payment during FY 2018-19

As on
18.11.2019

SI No.	Name of Constituents	Interest amt payable by party (in ₹)	Amount paid/recovered by party(in ₹)	Interest amt receivable by party(in ₹)	Amt paid to the party(in ₹)	Outstanding Interest as on 18.11.19
1	BSPHCL	17962810	17962809.82	0	0	0
2	JUVNL	30295597	30295597	0	0	0
3	DVC	170088	170088	0	0	0
4	GRIDCO	0	0	520	0	-520
5	WBSETCL	0	0	1199	1199	0
6	SIKKIM	1039941	959498	0	0	80442
7	NTPC	16883	16883	0	0	0
8	NHPC	0	0	23828	23828	0
9	MPL	0	0	8387	7596	-791
10	APNRL	270694	270694	0	0	0
11	CHUZACHEN	9527	0	0	0	9527
12	NVVN(IND-BD)	0	0	1659	1659	0
13	JITPL	58	58	0	0	0
14	GMR	1265691	0	0	0	1265691
15	IND BARATH	3439926	0	0	0	3439926
16	TPTCL(DAGACHU)	61182	61182	0	0	0
17	JLHEP	12876	12876	0	0	0
18	BRBCL	7602	7602	0	0	0
19	NVVN(IND-NEP)	8314	0	0	0	8314
20	TUL(TEESTA-III)	0	0	17676	17676	0
21	DIKCHU	7180	0	0	0	7180
22	HVDC-PSL	66976	0	0	0	66976
23	HVDC-ALPD	0	0	4410	0	-4410
24	TASHIDING	119055	119055	0	0	0
25	OPGC	0	0	0	0	0
26	NPGC	77385	0	0	0	77385
27	KBUNL	24623	24623	0	0	0
	Total	54856407	49900967	57679	51958	4949719

STATUS OF REACTIVE CHARGES

RECEIVABLE IN ER POOL AS PER PUBLISHED A/C FROM 02.04.18 TO 03.11.19

AS ON 18.11.19

CONSTITUENT	AMOUNT RECEIVABLE IN THE POOL (Rs.)	AMOUNT RECEIVED IN THE POOL (Rs.)	OUTSTANDING (Rs.)
WBSETCL	294747150	271618790	23128360
DVC	2135995	2135995	0
BSPHCL	4631550	4631550	0
SIKKIM	92567	76131	16436
JUVNL	3873260	536864	3336396
GRIDCO	20175883	18905799	1270084
TOTAL	325656405	297905129	27751276

Annexure - 6

SUMMARY OF RRAS CHARGE RECEIPT AND PAYMENT STATUS

BILL from 01.04.19 TO 03.11.19(upto Week -31 of 2019 - 20)

Last Payment Disbursement Date -18.11.19

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
NTPC	3250.40999	1008.31159	5216.33099	2736.91318	-237.31941
BRBCL (Nabinagar)	437.76685	54.27914	2217.36603	1681.57781	-152.30051
KBUNL (MTPS-II)	348.89619	41.02032	1514.56435	1158.41370	-48.27478
MPL	377.65517	53.02933	484.39421	188.35716	28.58879
NPGC	74.56137	38.25653	62.23992	33.94636	8.01128
TOTAL	4489.28957	1194.89691	9494.89550	5799.20821	-401.29463

As on

18.11.19

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

Annexure - 7

SUMMARY OF FRAS CHARGE RECEIPT AND PAYMENT STATUS

BILL from 01-Apr-19 TO 03-Nov-19 (upto Week -31 of 2019 - 20)

Last Payment Disbursement Date -18.11.19

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
NHPC	0.00000	0.00000	1.32191	1.32191	0.00000
TOTAL	0.00000	0.00000	1.32191	1.32191	0.00000

As on

18.11.19

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 from 01.04.19 TO 03.11.19(upto Week -31 of 2019 - 20)

Last Payment Disbursement Date -18.11.19

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
BARH	291.57738	151.19253	142.59358	4.62042	2.41169
TOTAL	291.57738	151.19253	142.59358	4.62042	2.41169

As on

18.11.19

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

Annexure - 7**SUMMARY OF CONGESTION CHARGE RECEIPT AND PAYMENT STATUS**

Bill upto 07.01.2013
Last Payment Disbursement Date - 13.05.2013

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
BSEB	0.67823	0.67823	0.39118	0.39118	0.00000
JSEB	16.37889	16.37889	2.61323	2.61323	0.00000
DVC	0.00000	0.00000	6.24040	6.24040	0.00000
GRIDCO	5.34488	5.34488	0.00000	0.00000	0.00000
WBSETCL	0.00000	7.42249	4.32834	11.75083	0.00000
SIKKIM	0.65609	6.20909	0.00000	5.55300	0.00000
NTPC	6.93152	6.93152	7.42249	7.42249	0.00000
NHPC	0.70445	0.70445	0.05875	0.05875	0.00000
MPL	4.81694	4.81694	0.85169	0.85169	0.00000
STERLITE	7.70504	7.70504	0.00000	0.00000	0.00000
Pool Balance	0.00000	0.00000	21.30996	21.30996	0.00000
TOTAL	43.21604	56.19153	43.21604	56.19153	0.00000

	% Realization		As on 31.05.2015
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	

Annexure - 8

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
	Total	129567.16117		

DSM account Reconciliation Status of ER constituents and Inter Regional

Annexure-9

Name of The Utility	Q1(19.07.18)	Q2(08.10.18)	Q3(09.01.19)	Q4(18.04.19)	Q1(17.07.19)	Q2(21.10.19)
Inter Regional						
WR	NO	NO	NO	NO	NO	NO
SR	YES	YES	YES	NO	NO	NO
NER	YES	NO	NO	NO	NO	NO
NR	NO	NO	NO	NO	NO	NO
Intra Regional						
BSPHCL	YES	YES	YES	YES	YES	NO
JUVNL	YES	YES	YES	YES	YES	NO
DVC	YES	YES	YES	YES	YES	NO
GRIDCO	YES	YES	YES	YES	YES	NO
WBSETCL	YES	YES	YES	YES	NO	NO
SIKKIM	YES	YES	YES	YES	YES	NO
NTPC	YES	YES	YES	YES	YES	YES
NHPC	YES	YES	YES	YES	NO	NO
MPL	YES	YES	YES	YES	YES	YES
KBUNL	YES	YES	YES	YES	YES	NO
APNRL	YES	YES	YES	YES	YES	NO
CHUZACHEN(GATI)	YES	YES	YES	YES	NO	NO
NVVN(Ind-Bng)	YES	YES	YES	YES	NO	NO
NVVN(Ind-Nep)	YES	YES	YES	YES	NO	NO
GMR	YES	YES	YES	YES	YES	NO
JITPL	YES	YES	YES	YES	YES	NO
INBEUL	NO	NO	NO	NO	NO	NO
TPTCL (DAGACHU)	YES	YES	YES	YES	YES	NO
JLHEP(DANS ENERGY)	YES	YES	YES	YES	NO	NO
BRBCL	YES	YES	YES	YES	YES	NO
POWERGRID (ER-I)	YES	YES	YES	NO	NO	NO
POWERGRID (ER-II)	YES	YES	YES	YES	YES	NO
TUL (TEESTA-III)	YES	YES	YES	YES	NO	NO
DIKCHU	YES	YES	NO	NO	NO	NO
SHIGA (TASHIDING)	YES	YES	YES	YES	NO	NO
OPGC	YES	YES	YES	NO	NO	NO
NPGC	YES	YES	YES	YES	YES	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

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

Reactive Account Reconciliation Status

	2018-19				2019-20	
Reactive account Reconciliation Status of ER constituents						
Name of The Utility	Q1(19.07.18)	Q2(08.10.18)	Q3(09.01.19)	Q4(18.04.19)	Q1(17.07.19)	Q2(21.10.19)
Intra Regional						
BSPHCL	N/A	N/A	NO	YES	NO	NO
JUVNL	N/A	YES	YES	NO	NO	NO
DVC	N/A	N/A	NO	YES	YES	NO
GRIDCO	N/A	N/A	YES	YES	YES	NO
WBSETCL	YES	YES	YES	YES	NO	NO
SIKKIM	YES	YES	YES	YES	NO	NO

RRAS Account Reconciliation Status

	2018-19				2019-20	
RRAS account Reconciliation Status						
Name of The Utility	Q1(19.07.18)	Q2(08.10.18)	Q3(09.01.19)	Q4(18.04.19)	Q1(17.07.19)	Q2(21.10.19)
NTPC	YES	YES	YES	YES	YES	YES
BRBCL	YES	YES	YES	YES	YES	NO
KBUNL	NA	NA	YES	YES	YES	NO
NPGC	NA	NA	NA	NA	NA	NA
MPL	NA	NA	NA	NA	NA	YES

FRAS Account Reconciliation Status

	2018-19				2019-20	
FRAS account Reconciliation Status						
Name of The Utility	Q1(19.07.18)	Q2(08.10.18)	Q3(09.01.19)	Q4(18.04.19)	Q1(17.07.19)	Q2(21.10.19)
NHPC	NA	NA	YES	YES	NO	NO

AGC Account Reconciliation Status

	2018-19				2019-20	
FRAS account Reconciliation Status						
Name of The Utility	Q1(19.07.18)	Q2(08.10.18)	Q3(09.01.19)	Q4(18.04.19)	Q1(17.07.19)	Q2(21.10.19)
NTPC	NA	NA	NA	NA	NA	YES

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

Annexure-12

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)
	Date of Issuance	16-07-2018	15-10-2018	18-01-2019	18-04-2019	15-07-2019	16-10-2019
1	West Bengal - SLDC and STU	YES	NO	YES	YES	YES	NO
2	DVC - SLDC	YES	YES	YES	YES	YES	YES
3	OPTCL-SLDC and STU	YES	YES	YES	YES	YES	NO

Reconciliation Between Open Access department of ERLDC and Applicants

Sl. No.	Applicants Name	Quarter-I (2018-19)	Quarter-II (2018-19)	Quarter-III (2018-19)	Quarter-IV (2018-19)	Quarter-I (2019-20)	Quarter-II (2019-20)
	Date of Issuance	25-07-2018	15-10-2018	17-01-2019	12-04-2019	11-07-2019	15-10-2019
1	Calcutta Electric Supply Company	YES	NA	NO	NA	NA	NA
2	Jindal India Thermal Power Limited	YES	YES	YES	YES	YES	NA
3	Jharkhand Urja Vitaran Nigam Limited	YES	YES	YES	YES	YES	NO
4	West Bengal State Distribution Company Limited	YES	YES	NO	NA	NO	NO

Annexure - 13

Current Status of Letter of Credit (LC) amount against DSM charges for ER constituents

Figures in Lacs of Rupees

Sl No	ER Constituents	No. of weeks in which Deviation Charge payable	No of times payment was delayed during 2018-19	Total Deviation charges payable to pool during 2018-19	Average weekly Deviation Charge liability	LC Amount	Due date of expiry	Remarks
					(C)/52 weeks			
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	JUVNL	51	51	12409.04823	238.63554	262.49910	12.03.2020	Opened for 221.83872 Lac
2	Sikkim	23	23	909.21958	17.48499	19.23349	18.09.2020	Opened for 19.23349 Lacs
3	NTPC	52	5	6247.87876	120.15151	132.16667	30.06.2020	Opened for 132.16667 Lacs
4	KBUNL(MTPS-II)	52	4	1785.94282	34.34505	37.77956	16.08.2020	Opened for 37.77956 Lacs
5	APNRL	32	32	432.08168	8.30926	9.14019	31.12.2019	Opened for 6.51143 Lacs
6	JITPL	20	1	293.68897	5.64786	6.21265	31.03.2020	Opened for 13.19100 Lac
7	GMR	42	15	1494.22674	28.73513	31.60864	06.06.2020	Opened for 31.60864 Lacs
8	TPTCL(DAGACHU)	49	6	4589.54652	88.26051	97.08656	31.03.2020	Opened for 97.08656 Lacs
9	JLHEP (DANS ENERGY)	25	10	247.86542	4.76664	5.24331	30.11.2019	Opened for 13.79780 Lacs
10	Tashiding (THEP)	35	23	329.24531	6.33164	6.96480	27.06.2020	Opened for 2.71519 Lacs
11	BRBCL(NABINAGAR)	21	6	248.44057	4.77770	5.25547	09.07.2020	Opened for 5.25547 Lacs
12	BSPHCL	42	42	7816.20467	150.31163	165.34279	Expired on 16.11.2018	Letter issued
13	CHUZACHEN (GATI)	20	12	115.63343	2.22372	2.44609	Expired on 31.03.2019	Letter issued
14	DIKCHU	19	7	128.3546	2.46836	2.71519	Expired on 20.05.2019	Letter issued
15	DVC	45	4	19887.13946	382.44499	420.68949	Not opened	Letter issued
16	GRIDCO	50	2	22550.74179	433.66811	477.03492	Not opened	Letter issued
17	NVVN (IND-BNG)	38	1	1939.58895	37.29979	41.02977	Not opened	Letter issued
18	NVVN (IND-NEPAL)	43	1	4255.71388	81.84065	90.02472	Not opened	Letter issued
19	HVDC SASARAM	9	4	51.11504	0.98298	1.08128	Not opened	Letter issued
20	HVDC-ALIPURDUAR	7	2	99.14089	1.90656	2.09721	Not opened	Letter issued
21	NPGC	45	12	1200.2697	23.08211	25.39032	Not opened	Letter issued

Annexure-14

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	
9	GENUS	ER-1433-A		141	GENUS	ER-1015-A	ANGUL(PG)
10	GENUS	ER-1346-A		142	GENUS	ER-1016-A	
11	GENUS	ER-1104-A	ALIPURDUAR(PG)	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	
16	GENUS	ER-1004-A		148	GENUS	ER-1110-A	BIRPARA(PG)
17	GENUS	ER-1044-A		149	GENUS	ER-1041-A	CHAI BASA(PG)
18	GENUS	ER-1047-A		150	GENUS	ER-1415-A	
19	GENUS	ER-1048-A		151	GENUS	ER-1420-A	BIRPARA(WB)
20	GENUS	ER-1049-A		152	GENUS	ER-1079-A	BARIAPDA(PG)
21	GENUS	ER-1465-A		153	GENUS	ER-1594-A	BARH(NTPC)
22	GENUS	ER-1463-A		154	GENUS	ER-1446-A	JAMSHEDPUR(PG)
23	GENUS	ER-1469-A		155	GENUS	ER-1220-A	RANGPO(PG)
24	GENUS	ER-1467-A		156	GENUS	ER-1468-A	KISHANGANJ(PG)
25	GENUS	ER-1473-A		157	GENUS	ER-1153-A	
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	MALDA(PG)
33	GENUS	ER-1046-A		165	GENUS	ER-1531-A	
34	GENUS	ER-1088-A	NPGC(NTPC)	166	GENUS	ER-1536-A	MEJIA(DVC)
35	GENUS	ER-1089-A		167	GENUS	ER-1008-A	
36	GENUS	ER-1233-A		168	GENUS	ER-1031-A	MPL
37	GENUS	ER-1240-A		169	GENUS	ER-1122-A	
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(BRCL)
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	DARIIPATI(NTPC)	176	GENUS	ER-1299-A	
45	GENUS	ER-1097-A		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(IUSNU)
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)				

Annexure- 14.1

Status Report of PGCIL AMR AMC (Phase I, II & III)	
Summary	
Total Substation	150
Communicating Sub Station	123
Non-communicating Sub Station	27
Total Meter	998
Communicating meter	905
Non-communicating Meter	93

Date: 15-Nov-19

Details of Non-communicating Sub Stations				
SNO	Utility Name	Substation Name	Total Meter	Probable issue
1	BIHAR	ARAH(ARB)	1	GPRS issue.
2	POWERGRID	ANGUL	2	Meter off .
3	NTPC	DARLIPALLI	4	GPRS issue. Need PGCIL LAN provision .
4	BIHAR	DEHRI(DEH)	3	GPRS issue.
5	BIHAR	FATUA(FAT)	1	Meter RS-485 port issue. Request to replace the meter.
6	IPPR	IND-BARATH(IBR)	6	Unable to communicate with substation regarding AMC work .
7	GRIDCO	JODA(JOD)	3	GPRS issue.
8	SIKKIM	JORTHANG	6	GPRS issue.
9	WEST BENGAL	KALIMPONG(KLM)	1	GPRS issue.
10	DVC	KALNESHWARI(KAR)	3	GPRS issue.
11	BIHAR	KISHANGANJ(KSN)	2	Meter RS-485 port issue. Request to replace the meter.
12	DVC	KODERMA(KOD)	6	TCS will visit there and will do necessary AMC work shortly.
13	DVC	MANIQUE(MNQ)	1	GPRS issue.
14	SIKKIM	MELLI(MEL)	4	GPRS issue.
15	GRIDCO	MENDHASAL(MEN)	2	GPRS issue.
16	GRIDCO	MIRAMUNDALI	3	Meter hang .
17	BSEB	NALANDA	1	Suspecting GPRS issue. Site engineer will visit there shortly to check the issue.
18	GRIDCO	NEW DUBRI(DBR)	2	GPRS issue.
19	POWERGRID	NEW MELLI	2	GPRS issue.
20	POWERGRID	GAYA	5	Replaced meter. Will be connected .
21	POWERGRID	PANDIABIL(PNB)	11	GPRS issue. Need PGCIL LAN provision .
22	POWERGRID	PUSALI	4	Suspecting GPRS issue. Site engineer will visit there shortly to check the issue.
23	BSEB	RAJGIR	2	Suspecting GPRS issue. Site engineer will visit there shortly to check the issue.
24	WEST BENGAL	RAMMAM(RMM)	1	GPRS issue.
25	IPPR	STERLITE(SEL)	10	Unable to communicate with substation regarding AMC work
26	NTPC	TALCHER SOLAR(TLS)	6	TCS will visit there and will do necessary AMC work shortly.
27	JSEB	TENUGHAT	1	GPRS issue.

AMR Phase-1 AMC Details of all Sub Stations
Annexure-15

SL No	State	Sub Station	Utilities	TOC Date	TOC Month	AMC End Date	Total Meter
2	Jharkhand	Jamshedpur	PG	30-Mar-14	Mar-14	Mar-19	78
7	West Bengal	Maithon	PG	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	
15	Odisha	Baripada	PG	15-Apr-14	Apr-14	Apr-19	89
17	West Bengal	Binaguri	PG	15-Apr-14	Apr-14	Apr-19	
19	West Bengal	Birpara	PG	15-Apr-14	Apr-14	Apr-19	
40	Bihar	Purnea	PG	30-May-14	May-14	May-19	
48	Bihar	Arah	PG	15-Jun-14	Jun-14	Jun-19	47
52	West Bengal	Malda	PG	30-Jun-14	Jun-14	Jun-19	
56	Odisha	Rengali	PG	15-Jun-14	Jun-14	Jun-19	
58	Odisha	Rourkela	PG	15-Jun-14	Jun-14	Jun-19	
73	Odisha	Bolangir	PG	30-Aug-14	Aug-14	Aug-19	67
75	Odisha	Indravati	PG	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	
82	West Bengal	Durgapur	PG	30-Nov-14	Nov-14	Nov-19	23
85	Bihar	Biharshariff	PG	15-Dec-14	Dec-14	Dec-19	12
87	Sikkim	Gangtok	PG	30-Dec-14	Dec-14	Dec-19	
88	Bihar	Gaya	PG	30-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	199
94	Jharkhand	Ranchi	PG	30-Dec-14	Dec-14	Dec-19	
95	Bihar	Pusauli	PG	21-Jan-15	Jan-15	Jan-20	
96	West Bengal	Berhampore	PG	30-May-15	May-15	May-20	
97	West Bengal	Dalkhola	PG	30-May-15	May-15	May-20	16
103	Odisha	Angul	PG	30-Jun-15	Jun-15	Jun-20	
115	Odisha	Sundergarh	PG	30-Jun-15	Jun-15	Jun-20	48

Annexure-16

List of Substation Connected with PGCIL Intranet connection				
Sl No.	Substation name	Utility	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	Kahalgaon	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	

Annexure - 17

List of Meter to be Removed			
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

Ref: ODP/BBSR/AM/Tertiary Energy Consumption/

Date: 22.11.2019

To,
Member Secretary,
Eastern regional Power Committee,
14 Golf Club Road, Tollygunje, Kolkata-700 033.

Sub: - Additional Agenda point from POWERGRID, Odisha for discussion in 41st Commercial Sub-committee meeting.

Sir,

It is requested to include the following agenda point in the forthcoming 41st Commercial meeting for discussion.

1. As decided in the special meeting held at ERPC office on dtd: 10/07/2018, billing of auxiliary power consumption through tertiary of ICTs in POWERGRID sub-stations in Odisha to be done based on the energy consumption meter data uploaded weekly in ERLDC website and billing shall be done by respective DISCOMs.

However, it was noticed that Tertiary Energy Consumption SEM data (being calculated & uploaded by ERLDC) in respect of Sundargarh Substation is much higher than the actual energy consumed in the Substation.

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

	CT Ratio	PT Ratio	Multiplication Factor (M.F.)
As considered by ERLDC	50/1	33000/110	15000
Actual ratios of site	1000/1	415/110	3772.72

Tertiary Consumption Energy SEM data and DSM bill i.r.o. Sundargarh S/S may be revised accordingly w.e.f. October 2017 by ERLDC/ERPC and may be informed to GRIDCO and WESCO for energy billing by DISCOM.

The above issue was taken-up with ERLDC and they suggested to take-up in ERPC Commercial meetings, as DSM bill revision is to be done. *Relevant documents are enclosed herewith.*

In this regard, it is requested that the above agenda may be included in the forthcoming 41st CCM.

Submitted for your kind consideration please.

Thanking you,

Yours faithfully,

अ.के. बेहरा
22/11/19

[A. K. Behera]
Sr.GM (AM)

Copy to:

- i) ED, ERLDC, POSOCO.
- ii) CGM (I/c), Odisha Projects, POWERGRID, Bhubaneswar – *For kind information please.*
- iii) Sr. GM (Commercial), ER-II, POWERGRID, Kolkata
- iv) Sr. GM (AM-I/c), Bhubaneswar
- v) Sr. GM (Commercial), Bhubaneswar.

ओडिशा परियोजनाएं: प्लॉट नं.-4, यूनिट-41, निलाद्री विहार, चन्द्रशेखरपुर, भुवनेश्वर (ओडिशा)-751021, दूरभाष: 0674-2720754

Odisha Projects: Plot no. 4, Unit.41, Niladri Vihar, Chandrasekharpur, Bhubaneswar – 751021, Tel: 0674-2720754

कॉर्पोरेट कार्यालय: "सौदामिनी", प्लॉट नंबर-2, सेक्टर-29, गुरुग्राम-122001 (हरियाणा), दूरभाष: 0124 2571700-719

Corporate Office: "Saudamini", Plot no.2, Sector-29, Gurugram-122001, (Haryana). Tel: 0124 2571700-719

रजिस्टर्ड कार्यालय: बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110 016, दूरभाष: 011-26560112, 26560121, 26564812

Registered Office: B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110 016. Tel: 011-26560112, 26560121, 26564812

CIN: L40101DL1989GOI038121, Website: <http://www.powergridindia.com>



पावरग्रिड
POWERGRID

अंतर कार्यालय ज्ञापन
INTER OFFICE MEMO
ओड़िसा प्रोजेक्ट्स, सुंदरगढ़ 765/400 के. वी. उपकेन्द्र
Odisha Projects , Sundargarh 765/400 kV S/S

प्रेषक / FROM :Sr.GM,Sundargarh

सेवा मे /TO: Sr.GM(AM),BBSR

सन्दर्भ सं /REF.: ODP/SNG/Auxiliaries/1110

दिनांक / DATE : 12.11.2019

विषय /SUB. : Regarding correction in tertiary energy consumption of Sundargarh Substation for the period 23/10/2017 to 31/10/2018.

This has reference to the MOM held at ERPC, Kolkata on 10.07.2018 regarding auxiliary power consumption. Copy of the MOM enclosed at Annexure-I. As per this MOM, The methodology for billing of auxiliary consumption from tertiary loading will be effective w.e.f 23.10.2017.

On observation of the auxiliary consumption details submitted for Sundargarh Substation for the months of NOV2017 to FEB 2018, the consumption units are very high, and this is due to incorrect CT & PT ratio considered in tertiary power consumption reflected in ERLDC website. Accordingly, actual CT ratio & PT ratio informed to ERLDC in OCT 2018 and the energy is being calculated on the basis of corrected CT/PT ratio w.e.f, NOV 2018. Mail correspondence enclosed at Annexure-II.

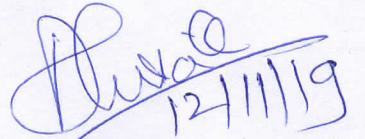
Actual CT ratio: 1000/1 A and PT ratio: 415V/110 V

Early considered ratio: CT ratio: 50/1 and PT ratio: 33000/110

Accordingly, old tertiary consumption data to be corrected w.ef. 23rd OCT 2017 to 31.Oct 2018 as per the actual ratio of CT & PT.

The matter may please be taken up with ERPC and corrected energy consumption data for the above period may please be submitted.

This is for information & further needful at your end please.


(A.K.Naik)

ERPC::KOLKATA

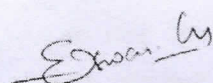
Minutes of Special Meeting on Auxiliary Power Consumption held on 10.07.18 at ERPC Kolkata.


List of the participants is given in Annexure.

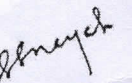
MS, ERPC welcomed the participants in the meeting. He informed that the meeting has been convened as per the decision of the 37th Commercial Sub Committee meeting held on 11.06.2018 to finalise the methodology of accounting of the auxiliary energy consumption through tertiary winding by the Powergrid substations. He then gave the genesis of the issues involved.

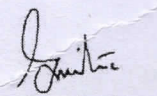
The issue was deliberated in details in the meeting. After detailed deliberations, the following decisions were arrived at:

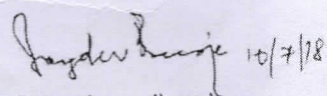
1. Drawl of auxiliary power through tertiary winding by Powergrid Substations shall be treated as drawl by Powergrid from the DISCOM.
2. For this, Powergrid shall approach the concerned DISCOM(s) and shall complete all the necessary formalities to become a consumer of the concerned DISCOM.
3. For Odisha system, Powergrid may approach GRIDCO for necessary help in completing the formalities.
4. For Odisha system, while calculating the DSM liability, drawl of auxiliary power by Powergrid substations shall be treated as drawl by GRIDCO. Total power drawn in a month as auxiliary power shall be treated as drawl by DISCOM from GRIDCO and shall be accordingly commercially settled between DISCOM and GRIDCO.
5. This methodology of settlement shall be effective from 23rd October, 2017.
6. This procedure of settlement shall be continued for the coming few months. Thereafter, if necessary, this methodology of settlement shall be reviewed at ERPC.


(Ch. Eswara Rao)
CM, Powergrid


(P. Banerjee)
S.E., WBSEDCL


(S.S. Nayak)
Sr GM, GRIDCO


(G. Mitra)
DGM, ERLDC

 10/7/18
(J. Bandyopadhyay)
MS, ERPC

Auxiliary Consumption of Power Grid Substations

Auxiliary Consumption of Power Grid Substations				
SL. No.	Sub-station Name	Month	No. of Days Energy Consumption	Energy in MWh
1	Angul(PG)	Oct-17	9	41.91319
		Nov-17	30	134.1992
		Dec-17	31	137.4609
		Jan-18	31	121.8936
		Feb-18	25	110.537818
2	Baripada(PG)	Oct-17	9	12.01359
		Nov-17	19	21.20577
		Dec-17	0	0
		Jan-18	24	29.16607
		Feb-18	25	31.75185
3	Bolangir(PG)	Oct-17	9	11.71847
		Nov-17	30	32.43673
		Dec-17	31	30.44428
		Jan-18	31	29.88111
		Feb-18	25	27.670705
4	Jaipur(PG)	Oct-17	9	0.299633
		Nov-17	30	1.060732
		Dec-17	31	1.301976
		Jan-18	31	1.390778
		Feb-18	25	1.055188
5	Keunjhar(PG)	Oct-17	9	28.91145
		Nov-17	30	94.59
		Dec-17	31	101.7717
		Jan-18	31	95.2107
		Feb-18	25	82.2012
6	Pandiabil(PG)	Dec-17	30	26.180728
		Jan-18	31	28.834022
		Feb-18	25	23.418517
		Nov-17	18	14.18874
		Dec-17	31	22.65205
		Jan-18	31	28.40907
		Feb-18	25	14.129655
8	Rourkela	Feb-18	15	20.457
9	Sundargarh(PG)	Nov-17	14	205.2096
		Dec-17	31	375.1581
		Jan-18	31	326.9352
		Feb-18	25	335.8251
Total Energy in MWh				2601.48



एक कदम स्वच्छता की ओर

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 SarkarSub: *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.*

पंजीकृत कार्यालय: बी-9, कुतुब इन्स्टीटयूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016 दूरभाष: 011-26560112, 26560121, 26564812, 26564892, वेबसाइट: www.powergridindia.com
 Registered Office : B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 Tel.: 011-26560112, 26560121, 26564812, 26564892, Web.: www.powergridindia.com



स्वहित एवं राष्ट्रहित में ऊर्जा बचाएं
Save Energy for Benefit of Self and Nation



गणराज्य

645/1227918
रमन कुमार / RAMAN KUMAR
मुख्य प्रशासक (आपूर्ति) / Chief Manager (Comml.)
शक्ति प्रसारण एवं वितरण विभाग / Power Distribution and Supply Division
पावर ग्रिड कॉर्पोरेशन ऑफ़ इंडिया लिमिटेड
एन.एस.ई.सी. बिल्डिंग, कलकत्ता-1
एन.एस.ई.सी. बिल्डिंग, कलकत्ता-1 / ERTS-1
बोर्ड कॉलोनी, शास्त्री नगर, पटना-23
Board Colony, Shastri Nagar, Patna-23

23/09/19
SREYASI MONDAL
Sig Superintending Engineer (E)
For & on behalf of P.T. & P. Cell, WBSEDCL
Kolkata

For & on behalf of
POWER GRID CORPORATION OF INDIA LIMITED
 मुख्य निदेशक, राष्ट्रीय ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
 बोर्ड कॉलोनी, शास्त्री नगर, पटना-23
 Board Colony, Shastri Nagar, Patna-23



एक महारत्न कम्पनी

CM (Comm)
Pl send this to
CC, Commercial for
further n/a.

एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

Ref. No. ER-I HQ/COMML/PGCIL/15

पूर्वी क्षेत्र-I मुख्यालय / Eastern Region-I Headquarters

Date: 08.08.2019

To,
Chief Manager (Commercial)
PGCIL, Shastri Nagar,
Patna

श्री M.K. Agarwal, Gr. GM (Comm.) →

may like to rectify
(10/08/19)

Subject: Regarding your RTDA bills dtd 08.07.2019 in respect of Barh STPS Stage-II Unit-IV for the period 15.11.2014 to 07.03.2016.

Sir,

This has reference to your bill dtd 08.07.2019 on the subject above. In this regard we would like to clarify that consequent to issuance of order by CERC revision of COD of Barh-II Unit-IV from 15.11.2014 to 08.03.2016, ERPC on 11.01.2018 revised RTA, REA & DSM account for the period. Subsequently RTDA revision was also issued on 02.02.2018 by ERPC for this period for Barh STPS Unit-IV.

This issue was discussed in 40th TCC/ERPC held on 15/16th March 2019 wherein NTPC clarified that CERC in its order dtd 20.09.2017 in Pet No. 130/MP/2015 had held that:

Quote

"28. Power injected by Respondent No. 1 in respect of the Unit before 8.3.2016 shall be treated as infirm power even though power was scheduled by the beneficiaries during the period. The revenue earned over and above fuel cost from sale of infirm power from 15.11.2014 to 7.3.2016 shall be adjusted in the capital cost."

Unquote

NTPC also stated that there is no direction either from CERC or Hon'ble APTEL regarding refund of any charges by NTPC in view of change in COD date of Unit-IV from 15.11.2014 to 08.03.2016. Therefore any adjustment for this period had to be done in capital cost in tariff petition of Barh STPS-II Pet No 130/GT/2014 which was pending for tariff determination.

Based on above and after discussion with all beneficiaries it was recorded in ERPC that:

"After detailed deliberation, members unanimously resolved that, since there is no convergence on this issue between NTPC and the beneficiaries of Barh STPS-II, the same could not be resolved in ERPC forum. ERPC suggested that the concerned constituent(s) might take up the issue suitably in appropriate higher level"

NTPC has already filed amended tariff petition based on revised COD for Unit-IV in Pet No 130/GT/2014. The tariff petition is currently under consideration of CERC. Therefore till the CERC decides the above tariff, and treatment of all the charges for this period, the above bills do not become due on NTPC and hence may kindly be withdrawn.

Yours faithfully,

(Sunil Kumar)

Additional General Manager(Commercial)

Encl.: Original Bill.

**Date of Commercial Operation(DOCO) of the Asstes
Annexure V**

Annexure-21

A	Eastern Region Strengthening Scheme-XII.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	Replacement of existing 315 MVA, 400/220 kV ICT II with 500 MVA, 400/220 kV ICT II at Patna Sub-station	17-02-2019	Rs.522.29 Cr.(including IDC of Rs.33.24 Cr.).	2nd 2013 SCM meeting of ER on 27.08.13.	25th ERPC meeting on 21.09.13	As per New Sharing methodology of PoC
B	Eastern Region Strengthening Scheme-III.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	Provision of Circuit Breakers for making line reactors at Biharsharif substation switchable	14-03-2019	Rs. 1731.10 Cr.(including IDC of Rs. 151.31 Cr.).	08/11/2008 at Bhubaneswar	Special(9th) ERPC meeting on 30/12/2008 & 10th ERPC meeting on 11/04/2009 at Port Blair	As per New Sharing methodology of PoC
02	400 KV, 50 MVAR Line Reactor-II for 400 KV Sasaram-Daltonganj transmission line -II at Daltonganj substation.	03-08-2019				As per New Sharing methodology of PoC
C	Eastern Region Strengthening Scheme-IX.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	500 MVA. Single Phase unit of 765/400 KV ICT (Cold Spare) stationed at Ranchi (New) .	29-06-2019	Rs.225.28 Cr.(including IDC of Rs.9.25 Cr.).	SCM meeting of ER on 05.01.13.	22nd ERPC Meeting on 25.08.12 & 24th ERPC meeting on 27.04.13	As per New Sharing methodology of PoC
D	Eastern Region Strengthening Scheme-V.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	1 no. 125 MVAR Bus Reactor (1st) and associated bay at Rajarhat	24-03-2019	Rs.1891.41 Cr.(including IDC of Rs.139.69 Cr.).	SCM meeting of ER on 20.09.10 & 28.12.10	16th & 17th ERPC Meeting on 18.12.10 & 17.03.11 respectively	As per New Sharing methodology of PoC
02	1 no. 125 MVAR Bus Reactor (2nd) and associated bay at Rajarhat	31-03-2019				
03	LIL0 of 400 KV S/C Subhasgram-Jeerat line at Rajahat and associated bays at Rajahat, 1 No. 400/220 KV , 500 MVA ICT-I and associated bays at Rajahat alongwith 4 nos. 220 KV line bays at Rajahat	03-02-2019				
04	1 no 400/220 KV, 500 MVA ICT (2nd) and associated bays at Rajarhat SS.	18-08-2019				
E	Common system associated with Eastcoast Energy Private Ltd and NCC Power Projects Ltd. LTOA Generation Projects in Sriakulam area Part-B	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	Angul-Jharsuguda 765kV D/C line	01/12/18	Rs.2514.88 Cr.(including IDC of Rs.156.65 Cr.).	SCM meeting of ER on 28.12.10	-	As per New Sharing methodology of PoC
02	Extension of 765/400kV Angul Substation	01/12/18				
03	Extension of 765/400kV Jharsuguda Substation	01/12/18				
04	240 MVAR Line Reactors along-with 800 ohm NGR at each end of both the circuits of Angul-Jharsuguda 765kV D/C line(Switchable Line reactor at Angul end	01/12/18				
05	765kV D/C Jharsuguda-Dharamjaigarh Line along with associated bays at Jharsuguda end	03/11/18				
F	Eastern Region Strengthening Scheme-XI.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges

01	STATCOM System (+/-) 200MVAR complete in all respect including Coupling transformer, Mechanically switched compensation (2x125 MVAR reactor), cooling system & STATCOM protection / controller etc at Kishanganj Substation	16-03-2019	Rs. 766.21 Cr. (including IDC of Rs. 0.0 Cr.).	14th & 15th SCM Meeting of ER on 05th January'13 & 27th August'13 respectively	25th TCC/ERPC meeting on 20th - 21st September, 2013 & 28th TCC/ERPC meeting on 20th June, 2015, 31st TCC/ERPC meeting on 14th November, 2015 & 33rd TCC/ERPC	As per New Sharing methodology of PoC
G	Eastern Region Strengthening Scheme-XVII (Part B)	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	400/220 kV 500 MVA ICT III along-with 400kV AIS bay & 220kV GIS bay at Gaya S/s	09-02-2019	Rs. 235.53 Cr. (including IDC of Rs. 14.59 Cr.).	17th SCM Meeting of ER on 25th May'15 & 18th SCM of ER on 13th June'16	30th TCC/ERPC meeting on 20th June, 2015, 31st TCC/ERPC meeting on 14th November, 2015 & 33rd TCC/ERPC	As per New Sharing methodology of PoC
02	Installation of 1 no 400/220KV, 315 MVA ICT and associated bays at Durgapur SS.	09-06-2019				As per New Sharing methodology of PoC
H	Split Bus arrangement for various substations in Eastern Region	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	400 kV Transmission Line for reconfiguration of Biharsharif Ckt III & IV # from its present position to Stage II side of Kahalgaon Switchyard of NTPC	26-01-2019	Rs. 146.73 Cr. (including IDC of Rs. 8.59 Cr.).	SCM meeting of ER on 20.09.10.	15th ERPC meeting on 28.09.10	As per New Sharing methodology of PoC
I	Fiber Optic Communication System in lieu of existing ULDC MW links in ER	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	DSTPS-RTPS OPGW link along-with 1 no SDH equipment at DSTPS and 1 no DCPS each at DSTPS & RTPS -69.182 km	01-02-2019				
J	"POWERGRID Works associated with TBCB lines under Common Transmission System for Phase II Generation Projects in Odisha"	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	02 Nos. 765 KV line bays at Jharsuguda (Sundargarh) end for termination of Jharsuguda (Sundargarh)- Raipur Pool 765 KV DC line (Line under TBCB)	07-04-2019				
02	2X240 MVAR Switchable Line Reactors along with 700 Ohm NGR at Jharsuguda end for Jharsuguda (Sundargarh)- Raipur Pool 765 KV DC line (Line under TBCB)					
K	Fiber Optic Communication System in Eastern Region Under Expansion of Wideband communication system in Eastern Region	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	Bolagir-Jeypore (288.00 KM Length)	19-05-2019				
02	Barh- Kahalgaon (215.22 KM Length)					
03	Daltonganj- Sasaram (196.132 KM Length)					
04	Punatsangchu-Alipurduar (63.78 KM Length)					
L	Associated Transmission System for Nabinagar-II TPS (3x660 MW)	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges

01	765/400 KV 3x500 MVA ICT IV along with associated bays at Gaya substation under Associated Transmission System for Nabinagar-II TPS (3x660 MW)	01-06-2019	Rs.790.13 Cr.(including IDC of Rs. 50.00 Cr.).	SCM meeting of ER on 20.09.10.	15th ERPC meeting on 28.09.10 & 16th ERPC meeting 18.12.10.	
02	400 KV D/C (Quad) Nabinagar- Patna line along with 2x80 MVAR Switchable Line Reactor & associated bays at Patna Substation.	21-07-2019				
M	Eastern Region Strengthening Scheme-XX.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	400/220 KV 500 MVA ICT IV along with 400 KV bay at Biharsharif (BSPTCL) Substation along with 220 KV interconnecting line from Biharsharif (BSPTCL) substation to 220 kv bushing of ICT installed at Biharsharif (POWERGRID) Substation under ERSS-XX.	06-09-2019	Rs.358.83 Cr.(including IDC of Rs.22.07 Cr.).	18th SCM meeting of ER on 13.06.16	33rd ERPC/TCC meeting on 24th-25th June 2016	As per New Sharing methodology of PoC
02	Replacement of 220/132 KV, 1x50 MVA ICT with 220/132 KV 160 MVA ICT along with suitable modification of bay equipment at Malda SS.	01-10-2019				As per New Sharing methodology of PoC