



Agenda for 34th Commercial Sub Committee Meeting

Date :06.02.2017

Time: 11:00 AM

Venue: ERPC Conference Hall, Kolkata

**AGENDA FOR THE 34th COMMERCIAL SUB-COMMITTEE MEETING
OF ERPC SCHEDULED TO BE HELD ON 06.02.2017 (MONDAY) AT 1100
HRS. AT ERPC, KOLKATA**

ITEM NO. 1 Confirmation of the minutes of the 33rd Commercial Sub-Committee meeting held on 03.11.16

The minutes of the 33rd Commercial Committee meeting were intimated vide ERPC letter No. ERPC/COM-I/GEN/2016/1207 dated 28.11.2016

No request for amendment has been received by ERPC Secretariat.

Members may confirm the minutes of the 33rd Commercial Sub Committee Meeting.

ITEM NO. 2 Payment/Receipt Status from various pool accounts in ER

a) Payment of Deviation Charge – Present Status.

As informed by ERLDC, the status of Deviation Charge payment as on 24.01.2017 is enclosed at **Annexure – I**. The current principal outstanding Deviation Charge of BSPHCL & JUVNL is **Rs. 12.43 Cr & Rs. 38.39 Cr** respectively considering bill up to 08.01.2017. Moreover, an interest amount of **Rs. 2.18 Cr** (as on 31.12.2016) is also payable by JUVNL due to delay payment of DSM charges. BSPHCL & JUVNL have not paid the deviation charge since 21.11.16 & 05.01.17 respectively. ERLDC has also given letter on 24.01.2017 to JUVNL requesting to liquidate the entire Deviation charges along with delayed payment interest and open the LC for required amount failing which **Regulation 25A of the Open Access Regulations will be invoked and STOA will be denied.**

ERLDC may please update, if any.

JUVNL and BSPHCL may confirm the program for payment of outstanding dues.

b) Reactive Energy Charges – Present Status.

The updated position of Receipt/Payment of Reactive Energy Charges in the pool as on 24.01.2017 (considering bill up to 08.01.2017) is indicated in **Annexure – II**. The total outstanding receivable on account of Reactive charges from WBSETCL/WBSEDCL is **Rs. 3.64 Cr**, GRIDCO is **0.48 Cr** & from BSPHCL is **Rs. 0.94 Lac**.

Outstanding reactive amount receivable from WBSEDCL prior to 04.01.2016 is **Rs. 1.82 Cr** (prior to Suo-moto order dated 21.07.2016 of the Hon'ble WBERC in the matter of case no: SM-14/16-17)

WBSETCL/WBSEDCL, GRIDCO and BSPHCL may confirm the program for payment of outstanding dues.

Workshop & Expenditure details

ERPC Secretariat and ERLDC in co-ordination with GRIDCO LIMITED had organized a Two day workshop on “**Black Start & Restoration**” and “**Emerging Issues in Power System Operation**” held at Hotel Sandy’s Tower, Bhubaneswar on 17.06.16 & 18.06.16. An expenditure of **Rs. 5.51456 Lacs** incurred for arranging the above workshop have been reimbursed to GRIDCO from Reactive account on 30.11.2016.

Member may please note.

c) RRAS Account ----Present Status

As furnished by ERLDC, 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 24.01.2017 (considering bill up to 08.01.2017) is indicated in **Annexure – III**. So far Rs. 123.0 Cr have been settled under RRAS in ER.

This is for information to the members.

d) Congestion account - Present Status

The status of congestion charge payment after full settlement is enclosed at **Annexure – IV**

Members may please note.

e) Status of PSDF

As informed by ERLDC, an amount of **Rs. 10.0 Cr** from Reactive account have been transferred to PSDF after 33rd Commercial sub-committee meeting held on 03.11.16. With this the total amount of **Rs. 900.40 Cr** has been transferred to PSDF so far. No amount from Deviation pool has been transferred to PSDF A/c since 29.06.16 and surplus amount in deviation pool is being utilized for settlement of RRAS Bill. The break up details of fund transferred to PSDF (till 24.01.17) is enclosed in **Annexure V**.

This is for information to the members.

ITEM NO. 3 Reconciliation of Commercial Accounts

i) Reconciliation of Deviation Accounts.

At the end of 3rd quarter of 2016-17, the reconciliation statement (Period: 01.10.16 to 31.12.16) has been issued by ERLDC on 04.01.17 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website (www.erldc.org). The constituents were requested to verify /check the same & comments if any on the same were to be reported to ERLDC by 21.01.2017. The status of reconciliation is enclosed in **Annexure-VI**.

JUVNL, WBSETCL, SIKKIM, VEDANTA, APNRL, GATI, IBEUL & JLHEP (Dans Energy) have not signed reconciliation statement for any quarter of 2016-17.

Further BSPHCL, DVC & GMR have not signed reconciliation statement for 3rd Quarter of 2016-17.

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 will be deemed to have been reconciled.

ii) Reconciliation of Reactive Account

As informed by ERLDC, at the end of 3rd quarter of 2016-17, the reconciliation statement (Period: 01.10.16 to 31.12.16) has been issued by ERLDC on 04.01.17 and statements had been sent to GRIDCO and WBSETCL and also uploaded the same at ERLDC website (www.erlhc.org). The constituents were requested to verify /check the same & comments if any on the same were to be reported to ERLDC by 21.01.2017.

GRIDCO & WBSETCL have reconciled the Reactive account.

Members may please note.

iii) Disbursement of Interest due to delayed payment of deviation charges

ERLDC had received an amount of **Rs. 30.53692 Lac** from Vedanta on 25.11.16 towards interest due to delayed payment of deviation charges in FY 2016-17. The above amount was paid towards Ancillary services for Week-30 (Period: 17.10.16 to 23.10.16).

This is for information to the members.

iv) RRAS Account

As informed by ERLDC, at the end of 3rd quarter of 2016-17, the reconciliation statement (Period: 01.10.16 to 31.12.16) has been issued by ERLDC on 04.01.17 and statements had been sent to RRAS Provides and also uploaded the same at ERLDC website (www.erlhc.org). RRAS Provider i.e NTPC was requested to verify /check the same & comments if any on the same were to be reported to ERLDC by 21.01.2017.

NTPC has reconciled the RRAS Account.

Members may please note.

v) Reconciliation for STOA payments made to SLDC / STU :

ERLDC have informed that the reconciliation statements of STOA payments for the period Apr'16 to Dec'16 have been send to the DVC, OPTCL and WBSETCL for checking at their end and confirmation.

- ⇒ WBSETCL and OPTCL are yet to confirm for the month of June'16 to Dec'16.
- ⇒ DVC has confirmed for the entire period.

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. However, signing of reconciliation statement is desirable.

WBSETCL & OPTCL is once again requested to get the statements reconciled.

vi) Reconciliation for payments received from STOA applicants:

The reconciliation statements of STOA payments for the period of Apr'16-Dec'16 have been send to the CESC, DVC, GMRKEL, JITPL, JUVNL, SAIL-RSP, TATA Steel and WBSEDCL for checking at their end and confirmation.

- ⇒ DVC has confirmed for the entire period.
- ⇒ CESC, GMRKEL, JITPL are yet to confirm for the period of Oct-16 to Dec-16.
- ⇒ JUVNL has not confirmed for the entire period of Apr-16 to Dec-16.
- ⇒ SAIL-RSP is yet to confirm for the period of Jul-16 to Dec-16.
- ⇒ TATA Steel is yet to confirm for the period of Jul-16 to Sep-16.

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. However, signing of reconciliation statements is desirable.

The details is attached in the **Annexure-VII**

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

Since there is a serious audit objection to ERLDC 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.

ITEM NO. 4 State Transmission Utility Charges and Losses applicable for STOA for FY 2016-17

As available with ERLDC the STU charges and losses to be considered for STOA for FY 2016-17 is as follows:

Name of STU	Intra-State Transmission Charges	TRANSMISSION LOSS (For Embedded entities)
WBSETCL	*	3.10%
DVC	Rs. 80 / MWh	3.04%
OPTCL	Rs. 62.5 / MWh	3.70%
JUSNL	*	#
BSPTCL	*	#
SIKKIM	*	#

N.B:* 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.

Members may like to update.

ITEM NO. 5 Information of Deviation/reactive payment in ER pool account

Constituents of Eastern region are making payment of Deviation charge and Reactive Charge in ER Pool Accounts. However ERLDC is not getting details of payment made in ER pool account. In 31st CCM, all the ER pool members were requested to send the details of payment in the format to ERLDC in the email account at erldc@hotmail.com. APNRL, DANS Energy, JLHEP, TPTCL and MPL are sending the details. DVC and WBSETCL are sending through Hard Copy. Other constituents may 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

ERLDC may please elaborate.

ITEM NO.6 Opening of LC by ER constituents for DSM payments

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

Quote

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

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

Unquote

As intimated by ERLDC, the details of LC amount required to be opened in 2016-17 by ER constituents is given in **Annexure - VIII**. Letters to this effect has already been issued by ERLDC to the defaulting entities viz, BSPHCL, JUVNL, GATI, SIKKIM and Ind Barath. Rest of the constituents which were required to open/recoup the LC, they have opened/recoup the LC.

BSPHCL, JUVNL, GATI, SIKKIM and Ind Barath may please intimate the latest status.

ITEM NO.7 Detailed Procedure for Ancillary Services Operations w.e.f 21.11.16

Hon'ble CERC vide notification no. 1/10/2012-Reg.Aff. (REC-Gen)/CERC issued Final Detailed Procedure for Ancillary Services Operations. It is effective from 21.11.16 onwards. The following important new clauses are added /amended with in the Detailed Procedure for Ancillary Services Operations:-

As per clause 12.4 of Detailed Procedure for Ancillary Services Operations, Deviation charges shall be worked out by RPCs strictly in accordance with the CERC (Deviation Settlement Mechanism and related matters) Regulations, 2014. ***The deviation charges for each entity shall be accounted without any adjustment for Payable= Receivable.***

This is for the information to the members.

ITEM NO.8 Updation of CT/PT Ratio

The meter details along with the CT/PT ratio has been uploaded at ERLDC website (www.erlhc.org). The constituents are requested to check CT/PT ratios being used.

Comments/discrepancies, if any, on the same may please be communicated to ERLDC at the earliest. So far no discrepancy has been reported to ERLDC.

Members may please update.

ITEM NO 9. Payment of revised DSM charges by JUVNL to GRICO for 132 KV Joda(Gridco)-Kendoposi(JSEB).

Due to reverse polarity of Joda end meter for Inter-state tie of Joda –Kendoposi line deviation account needs to be revised. The reverse polarity of Joda end meter couldn't be identified due to by-passing of Kendiposi end meter of 132 KV Joda(Gridco)-Kendoposi(JSEB) line, and data validation of the meter data of Joda end couldn't be done during period 04.05.11 to 03.05.15.

Total UI/DSM charges paid by GRIDCO due to faulty recording of meter on 132 Joda-Kendiposi Line is Rs 6,01,62,446 i.e (6.01 Cr),but actually Gridco have to receive Rs 6,01,62,446 due to reversal of power flow from Joda to Kendiposi.

So, Net UI/DSM charges receivable by Gridco is Rs 12,03,24,892 (2 times above Figure).The same amount (i.e Rs 12,03,24,892) has to be paid by JUVNL as it is a tie line between Odisha and Jharkhand.

Data has been checked by ERLDC & ERPC. The adjustment would be done from week beginning 06.02.2017.

This is for information of members.

ITEM NO 10. Allocation from ISGS towards Auxiliary power for O &M of HVDC Alipurduar Stations of POWERGRID in Eastern Region

As per CEA letter dated 16.09.2016 & 17th October,2016 it was decided to allocate 2.5 MW (Out of 9.96 MW surrendered share of Sikkim in Barh STPS) power from the date of CoD (Commercial date of operation). MoP letter at **Annexure-XIII**

Powergrid is requested to inform accordingly for implementation of allocation.

Members may note

ITEM NO 11. Agenda items submitted by APDCL

a. Outstanding Due payable by BSEB on account of drawl of NER Power during July'1993 to April'1994

It is intimated by APDCL that during the pre-reforms period, under the period of Bilateral Transaction of power, between APDCL & BSEB for **July'1993 to April'1994**, BSEB drew power from ASEB from time to time. Billing was accordingly done by then ASEB (Now APDCL) on the basis of monthly Regional Energy Accounting prepared by EREB(now ERPC). Payments were being made by BSEB at initial period, but during later stage they failed in timely payment and thus there remains an outstanding arrear unpaid. The total outstanding amount along with accumulated surcharge is Rs.6,74,93,833.00 (Principal= Rs.1,08,00,603.00 + Rs.5,66,93,230.00). Letter of APDCL at **Annexure-XIV**

APDCL may explain.

BSHPCL may please respond.

b. Accounting for Re-import of Kurichhu Energy by Bhutan w.e.f December, 2014

Based on decision in a meeting convened at ERPC on 03.11.2014, APDCL filed a Petition before the CERC seeking rectification on the accounting anomalies in monthly REAs of ERPC from April'2003 to November'2014 on re-import of Bhutan power through Assam grid. After hearing of that Petition No. 150/MP/2015, CERC issued order dated 13.06.2016 and on that basis APDCL has submitted the Energy Bill of Rs. 2,13,84,866.00 on account of re-import of Kurichhu energy by Bhutan for the period from April'2003 to November'2014. However, as the energy drawl / exchange of Bhutan is a continuous process, APDCL has been continuing supply of energy to Bhutan on the basis of existing arrangement considering the inter- country relation between India and Bhutan. The said CERC order is silent in the methodology of accounting and billing for subsequent period from December'2014 onwards. **Meanwhile, the DSM rate also comes down drastically with the improvement of average frequency within the range of 50 Hz resulting average DSM tariff in and around zero; as a result there is little chance of recovery of cost of energy supplied by APDCL on the average UI / DSM mechanism during present unbilled period. APDCL therefore is unable to raise bill on this mechanism.**

APDCL therefore requests the ERPC forum to deliberate on the issue and take decision:

(a) Ensuring the cost of supply of power to Bhutan from December'2014 onwards either at the average cost of power purchase of APDCL at 33 KV level from the DSM pool account till the present arrangement continues.

(b) Else, APDCL be reimbursed with the energy quantum with necessary Transmission losses and another 5% additional loss to compensate for default in reimbursement in line with the system followed at present in case of Banking arrangement of power.

(c) Take any other decision ensuring the justice of both ends.

PTC vide their letter vide No-PTC/MTFG/ERLDC/11428 dated-17.10.2016 requested for a meeting to address the issue. Letter of PTC/APDCL at **Annexure-XV**.

PTC/APDCL may elaborate. Members may discuss.

ITEM NO.12 Meter readings related issues

A. Erroneous recording of data by Interface Meters

i. Siliguri(PG)

Siliguri(PG) end meter NP-5950-A installed for 132 KV Melli (Sikkim) line is recording 5-10 % as compared to Melli end meter data since shifting of Bays from AIS to GIS at Siliguri i.e on 29.10.16. The above problem was informed to Siliguri PGCIL telephonically as well as through email with request to check CT and PT connection to meter at Siliguri. Meter data validation of the aforesaid line is not possible until meter data at siliguri end is correct.

ERLDC may please update.

Powergrid may give the status.

ii. Rangpo(PG)

Meter NP-8713-A installed at Rangpo PG end of 400 KV Teesta-III is recording almost 66 % as compared to actual export from Teesta-III since 14.01.17. Initially the line was idle charged so it was not possible to verify the Rangpo end meter data of the said Line. The problem was identified after synchronization of Line from Teesta-III end for evacuation of power wef 14.01.17.

PGCIL Rangpo was requested by ERLDC to check CT and PT connection to meter and also to check the voltage and current of all 3-phase to meter terminal. Rangpo informed that the problem has been identified and rectified on 17-01-17 around 16:00 Hrs. However problem is still persisting.

ERLDC may please update.

Powergrid may opine.

iii. Forbisganj at BSPTCL

Kishanganj(BSPTCL) end meter of 132 KV Purnea(PG) Line is not recording any flow compared to Purnea PGCIL end since 14:00 hrs of 29th June 2015. It was gathered that line is feeding load to Farbisganj at BSPTCL regularly through Transfer Bus of Kishanganj bypassing the SEM at Kishanganj. Accordingly 02 nos of SEM were installed at Forbesganj on 03.02.16 and DCD for downloading the data was handed over to BSPHCL. BSPHCL informed that due to installation problem of meter software, data is not being sent to ERLDC. In 34th TCC/ERPC, BSPTCL informed that the line would be shifted from transfer bus to main bus and there would no longer be any metering issue. **However, the issue is still unresolved.**

BSPHCL may please respond.

iv. Testing of Main Energy Meter for Tala-Siliguri 400kV Feeder No.1 at Siliguri end.

Druk Green Power Corporation Limited (DGPC) has informed that during the months of November,2016 and December,2016, the energy recorded by main meter for 400kV Tala-New Siliguri feeder No.I was found insistent as difference in energy recorded between main meter and check meter was beyond the permissible limit of 0.3. Further on 28.12.2016 the energy recorded by main meter at Siliguri end was less by 195.32% compared to energy recorded by main at Tala end. In the absence of reliable energy recorded by the main energy meter, the energy bill for the month of November and December,2016 was risen on energy recorded by the check meter.

Accordingly, DGPC have requested to test the energy meters at Siliguri end for all Tala-Siliguri feeders, particularly No.I main energy meter for its functioning & arrange for the replacement if found out of order at the earliest.

PTC may please elaborate.

PGCIL may please opine.

B. Non Receipt of SEM data from Various Locations

i. PPSP and Arambagh

400 KV PPSP-Ranchi New (PG) Line & 400 KV Arambagh-Ranchi New (PG) Line has already been charged and synchronized on 06.01.17. Interface meter has been installed at PPSP and Arambagh end of aforesaid Line. The aforesaid Line is a Tie Line and PPSP and Arambagh are 02 new Tie points in WBSETCL system wef 06.01.17. WBSETCL was requested to advise its vendor M/s Squarem Tech to collect the SEM data of above 02 locations also apart from the existing Tie Point locations and send the same to ERLDC by every Tuesday. ERLDC is not receiving the SEM data of PPSP and Arambagh regularly.

ERLDC may please update.

WBSETCL may please respond.

ii. Pandiabili at PG

SEM data of Pandiabili end of 400 KV Baripada line is not being sent from Pandiabili since last week of Nov 2016. The same meter is also not integrated in AMR till now. The matter is already communicated to PGCIL.

ERLDC may please update.

Powergrid may give the status.

ITEM NO. 13 Implementation of Automatic Meter Reading in Eastern Region

AMRs have been installed at 97 locations in 1st phase and 25 locations in 2nd phase in Eastern region. Due to addition of new substations/generating stations/transmission lines in Eastern Region, another 32 new locations required to be added under AMR project as 3rd phase of implementation.

Inclusion of new locations and total cost involvement for AMR 3rd phase were last discussed in 34th TCC/ERPC meeting held on 18.11.16/19.11.16 wherein TCC/ERPC approved the cost of *Rs.1.72 Cr including 4 years of AMC. ERLDC updated that priority list of substations to be progressively integrated in AMR has been enclosed in Annexure-IX.*

POWERGRID may further update the latest status of implementation and completion of the 3rd Phase of AMR.

ITEM NO.14 Time correction of SEMs in Eastern Region

The drifting of meter time was important in commercial terms since the reading for a block for a time drifted meter might not be true and lead to erroneous calculation of Deviation Charge for that constituent. Further, it was decided to keep this as a standing agenda in Commercial Sub Committee meetings for monitoring. List of Time drifted (more than 5-6 min) meters in ER as on 30.01.17 is enclosed in **Annexure-XI**

It has been seen that constituents are not making any time correction in SEM. Further after AMR implementation due to non-use of the DCDs, many DCDs are not working in many

places. Time correction from laptops is not possible. In Last CCM, It was decided that all the constituents would give a list of DCD with them and their status. Powergrid is requested to keep some spare DCD for the purpose of time correction of meters.

ERLDC may update regarding submission of DCD status by constituents.

Members may please discuss.

ITEM NO.15 Incorrect Date Format of Meters at Angul PG and Kishanganj BSPTCL

Angul end L&T Meter NP-7995-A installed at ICT-3 and NP-8076-A at 765 KV Angul-Srikaulam Line-2 is having incorrect date since installation of meter. Further similar problem of incorrect date is also found at Kishanganj BSPTCL end Elster make meter for 220 KV Kishanganj-Kishangaj Line-3. These meters were installed by PGCIL and needs necessary correction of dates.

ERLDC may explain.

PGCIL may please respond.

ITEM NO.16 Location and meters with defective RS-485 port

In 1st and 2nd phase, AMR have been installed at 122 locations in ER. Out of 122 locations there are 12 locations with 15 nos of meter having defective RS-485 port and for this reason meter's are not communicating with AMR system. The above problem was also reported by the implementing Vendor i.e M/s TCS with a request to change the defective RS-485 meter with healthy one so that the entire meter from the above locations may report in AMR system. Due to the above problem, non-reporting meter data is being sent by respective substations by downloading through Optical port by DCD/Laptop. The details of location and meters are enclosed in **Annexure-X**. Powergrid was requested to replace the meter with healthy meter.

ERLDC may elaborate.

Powergrid may please further update.

ITEM NO.17 Non-submission of weekly SEM readings by Tuesday noon from non- AMR Locations/ faulty AMR locations

As per IEGC (effective from 3.5.2010) Sub-clause-22 of Clause-6.4 (demarcation of responsibilities), all concerned utilities in whose premises SEMs are installed shall take weekly meter readings and transmit the same to RLDC by Tuesday noon for timely issuance of Deviation account Bill. Significant improvement in timely receipt of SEM data has been seen after AMR implementation at various locations and most of the meter data is being received by Tuesday. However general trend of receipt of readings is as below:

By Wednesday or later: JUVNL, WBSETCL (North Bengal), PPSP, Arambagh & SIKKIM

JUVNL, WBSETCL & SIKKIM are once again requested to please adhere to the schedule.

ITEM NO.18. Procurement of new SEM's and DCD/Laptops

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 32nd TCC/ERPC, Powergrid intimated that order had been placed on 15.03.2016. In 33rd TCC/ERPC, PGCIL informed that delivery is expected in six phases starting August'16. In last CCM, Powergrid informed that the new meters were under inspection and scheduled to start delivery from 1st week of December'16.

Powergrid may further update the status of procurement.

ITEM NO.19. Issue related to Genus Make meter software

In Eastern Region, order for procurement of 965 no of SEM's and 110 nos of Laptop/DCD have been placed with M/s Genus Power. Few of the meters have been delivered by the supplier and meter is installed at 02 locations. It has been observed that Meter software of Genus make is not fully developed and software needs further modification. Powergrid was requested to take the matter with M/s Genus Power to resolve the issue immediately. Till now the latest patch of Genus make meter software has not been provided. ERLDC also requested powergrid to talk with M/s Genus and give some training/workshop on features of new meter and its software. Till modification in the software Genus make meter may not be installed to avoid any problem in accounting.

ERLDC may explain.

Powergrid may please further update.

ITEM NO.20. Nomination of Nodal Officers by Regional Entities—ERLDC

All Regional entities is requested to intimate the contact details of the Nodal Officer who could coordinate with their sites and ERLDC to ensure the following:

- Under - recording of SEM data due to reasons such as CT/PT input problems
- Polarity reversal
- Change in CT/PT ratio
- Meter replacements
- Completeness w.r.t no of meters and no of days
- Checking of time drift in meters: correction and reporting to RLDC
- Data non-availability due to reasons such as outage of Feeder etc.

It was requested to furnish the details like Name, designation, Mailing address, Landline No, Fax No, Email Id, Mobile No etc. to ERLDC for smooth transaction of SEM data.

So far details of Nodal person only from BSPHCL, GATI, DVC, Teesta-V, NTPC ER-I(HQ), Talcher NTPC, GMR and GRIDCO have been received by ERLDC.

All other Constituents are once again requested to send the details of Nodal person from their end.

ITEM NO.21. Agenda items submitted by Powergrid

a) Non Opening of LC requisite amount of LC :

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

Amount(in Cr.)

SI No	Present Value of LC	Value of LC Required
North Bihar Power Distribution	10.50	28.36

Company Limited(NBPDCL)		
South Bihar Power Distribution Company Limited(SBPDCL)	14.50	39.67
Ind-Bharat Energy (Utkal) Limited	LC expired on 07.08.16	14.38

Non-availability of LC for requisite value and validity as per CERC Regulations is causing serious problem for POWERGRID to comply with the provisions of CERC Regulations and Loan Covenants.

PGCIL may update.

BSPHCL, Ind barath may like to respond.

b) Payment of Outstanding dues more than 60 days :

SI No	Amount (in Cr.)	
	Total Outstanding dues	Outstanding due more than 60 days
North Bihar Power Distribution Company Limited(NBPDCL)	50.14	0.0
South Bihar Power Distribution Company Limited(SBPDCL)	116.62	40.00
Bhartiya Rail Bijlee Company (BRBCL) *	28.42	22.39
Ind-Bharat Energy (Utkal) Limited#	59.90	41.42
Jharkhand Bijli Vitran Nigan Limited(JBVNL)	36.60	11.60
West Bengal Distribution Company Limited(WBSEDCL)\$	0.38	0.38

* Discussed in Special ERPC meeting on 25.01.17.

Discussed in Last CCM (33rd), till now matter is not resolved.

\$WBSEDCL has not admitting Bill # 4 since July'16(i.e Bill from Jan'16).

PGCIL may update.

BSPHCL, BRBCL, Ind Barath, WBSEDCL, JBVNL may like to respond.

c) List of Assets commissioned by POWERGRID is enclosed as Annexure XII.

Powergrid has submitted a list of assets commissioned in the intervening period.

Members may please note.

ITEM NO. 22 Agenda items submitted by NHPC

1) Payment of outstanding dues for more than 60 days.

i) NBPDCL

An amount of Rs. 8.61 Crs is outstanding for more than 60 days .

ii) SBPDCL

An amount of Rs.15.43 Crs is outstanding for more than 60 days .

NHPC may elaborate. BSPHCL may like to respond.

2) Signing of reconciliation statement.

Reconciliation statement is pending for IInd quarter for the F.Y 2016-17 in r/o GRIDCO. Reconciliation statements for 3rd quarter of 2016-17 have also been sent to all the beneficiaries which also need to be signed on priority.

NHPC may update. Gridco may like to respond.

3) Non-Opening of LC of requisite value

All the beneficiaries are intimated that the calculation sheet of LC for F.Y 2017-18 have been sent which is based upon 105% of average billing w.e.f Jan'2016 to Dec'2016. All the concerned beneficiaries are requested to enhance the existing LC or open the new LC of requisite value before 31st March'2017 and same should be valid up to 31st March '2018.

NHPC may elaborate.

4) Extension of BPSA in r/o Rangit&Teesta-V Power Stations.

All the beneficiaries of these projects have signed / extended BPSA up to 35 years except GRIDCO. NHPC is regularly following-up with GRIDCO to extend the BPSA up to 35 years from COD of last unit of Rangit&Teesta-V Power Stations.

NHPC may elaborate. Gridco may like to respond.

5) Extension of PPA in r/o TLDP-III & IV Power Stations.

WBSEDCL at present has valid PPAs for TLDP-III & IV projects for 05 years period only. WBSEDCL had already given consent to extend the PPA of TLDP-III & TLDP-IV projects for 35 years from the date of COD vide their letter no. C/BP/NHPC/Teesta-IV HE/693 dated 26.07.2012. Formal signing / execution of PPAs of TLDP-III & TLDP-IV is still pending from WBSEDCL side for 35 years period from the date of COD.

WBSEDCL is requested to give consent for extension of PPA at the earliest. 100% power from both the projects has been allocated in favour of West Bengal.

NHPC may elaborate. WBSEDCL may like to respond.

6) Signing of PPA in respect of Tawang H.E.Project, Stage-I & II.

Signing of Power Purchase Agreement is pending with GRIDCO, JUVNL & WBSEDCL. All the three beneficiaries are again requested to sign the long pending Power purchase agreement at the earliest.

NHPC may please update.

7) Signing of PPA in respect of Teesta-IV H.E.Project

All the beneficiaries of Teesta-IV H.E.Project have signed PPA of Teesta-IV Project except GRIDCO. Signing of Power Purchase Agreement is pending with GRIDCO in spite of regular follow up with them.

GRIDCO is requested to sign the PPA at the earliest.

NHPC may elaborate. Gridco may like to respond.

8) **Revision of REA in respect of SBPDCL and NBPDC**

SBPDCL & NBPDC are verifying different energy amount w.r.t their REA statements. As such, they are requested either to verify the same energy amount as per their REA or get revised REA's issued from ERPC. The discrepancies may give rise to disputes at a future date.

NHPC may elaborate. BSPHCL may like to respond.

ITEM NO.23 Any other item with the permission of chair.

SUMMARY OF DEVIATION CHARGE RECEIPT AND PAYMENT STATUS

BILL from 28.03.16 to 08.01.17 (upto Week - 41 of 2016 - 17)

Last Payment Disbursement Date -24.01.17

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
WR	16932.80480	12745.21507	19599.07787	18811.73327	3400.24513
SR	1945.76835	2007.72646	22902.65972	21007.26503	-1957.35280
NER	63096.40148	65502.27270	7698.52413	3322.97010	-6781.42525
NR	5857.93007	778.25345	54429.50531	53647.63389	4297.80520
BSPHCL	7396.80482	5169.10465	985.21941	0.00000	1242.48076
JSEB	7686.95623	3396.15457	452.33933	0.00000	3838.46233
DVC	1154.07523	1178.91245	2001.10676	1881.59361	-144.35037
GRIDCO	1875.01522	1879.33318	1703.40372	1626.65644	-81.06524
WBSETCL	7441.20506	7509.02958	293.29540	562.41588	201.29596
SIKKIM	43.59053	0.00000	1159.76197	1070.47036	-45.70108
NTPC	9127.49495	9064.01024	0.00000	3.67096	67.15567
NHPC	0.00000	0.00000	1731.78504	1694.69053	-37.09451
MPL	44.45104	44.45104	761.95433	699.45256	-62.50177
STERLITE	5050.74588	5050.74578	0.16892	0.16882	0.00000
APNRL	406.04708	219.63563	239.15938	0.00000	-52.74793
CHUZACHEN (GATI)	24.03633	24.03633	495.88150	493.46279	-2.41871
NVWN (IND-BNG)	356.99735	336.51893	94.81568	95.81574	21.47848
JITPL	1089.74945	1090.24160	1037.94790	988.54164	-49.89841
GMR	321.59716	321.59716	1202.70596	1158.93372	-43.77224
IND BARATH	88.24737	69.19227	443.91325	432.14046	7.28231
TPTCL(DAGACHU)	1203.66148	1183.33111	69.71771	78.03065	28.64331
JLHEP (DANS ENERGY)	331.01994	306.08875	150.77443	132.61787	6.77463
BRBCL(NABINAGAR)	180.24822	208.24321	1000.92121	610.76237	-418.15383
NVWN (IND-NEPAL)	389.85002	391.04153	59.23818	77.34426	16.91457
HVDC SASARAM	1.60348	1.60348	19.65338	15.53919	-4.11419
KBUNL	25.15868	9.63024	0.00000	0.00000	15.52844
TEESTA-III(TUL)	0.00000	0.00000	0.00000	0.00000	0.00000
Pool Balance	0.00000	0.00000	-280.03180	0.00000	280.03180
Addl Deviation charge	9132.51265	13327.43282	0.00000	0.00000	-4194.92017
IRE	0.00000	0.00000	210.43565	0.00000	-210.43565
VAE	0.00000	0.00000	4473.27176	0.00000	-4473.27176
TOTAL	132071.46022	118486.36941	122937.20610	108411.91014	

% Realization

Receivable by ER POOL
Received by ER POOL

89.71

As on

Payable
Paid
"+ ve" Receivable by ER pool

24.01.17

Payable by ER POOL
Paid by ER POOL

Receivable:
Received
"- ve" Payable by ER pool

STATUS OF REACTIVE CHARGES

RECEIVABLE IN ER POOL AS PER PUBLISHED A/C UPTO 08.01.17 (2016 -17)
AS ON 24.01.2017

CONSTITUENT	AMOUNT RECEIVABLE IN THE POOL (Rs.)	AMOUNT RECEIVED IN THE POOL (Rs.)	OUTSTANDING (Rs.)
BSPHCL	378537	284950	93587
JSEB	1137688	1137688	0
DVC	357122	357122	0
GRIDCO	163753326	158987721	4765605
WBSETCL	287467923	251109830	36358093
SIKKIM	325817	325817	0
TOTAL	453420413	412203128	41217285

Note: (+ve) means payable by utility & (-ve) means receivable by utility

Annexure - III
SUMMARY OF RRAS CHARGE RECEIPT AND PAYMENT STATUS

BILL from 18.04.16 to 08.01.17 (upto Week - 41 of 2016 - 17)
Last Payment Disbursement Date -24.01.17

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
FSTPP STG-I	215.54896	206.90733	3366.30118	2935.76215	-421.89740
FSTPP STG-II	44.71118	44.71118	599.64887	599.64887	0.00000
KhSTPP STG-I	170.53991	163.41333	1580.22378	1473.06638	-100.03083
KhSTPP STG-II	70.87229	70.50483	5143.41712	4912.38292	-230.66674
TSTPP STG-I	116.52070	113.36824	376.50630	371.53791	-1.81593
BARH STG-I	0.00000	0.00000	0.00000	0.00000	0.00000
BARH STG-II	254.50517	234.95855	3137.41026	2845.01684	-271.84681
NTPC TOTAL	872.69818	833.86344	14203.50749	13137.41501	-1027.25774
RANGIT	0.00000	0.00000	0.00000	0.00000	0.00000
TEESTA-V	0.00000	0.00000	0.00000	0.00000	0.00000
NHPC TOTAL	0.00000	0.00000	0.00000	0.00000	0.00000
TOTAL	872.69818	833.86344	14203.50749	13137.41501	-1027.25774

Receivable: Received "- ve" Payable by ER pool	Receivable by ER POOL Received by ER POOL "+ ve" Receivable by ER pool	As on Payable Paid Payable by ER POOL Paid by ER POOL
		24.01.17

SUMMARY OF CONGESTION CHARGE RECEIPT AND PAYMENT STATUS
Annexure - IV

Bill upto 07.01.2013
Last Payment Disbursement Date - 13.05.2013

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

DETAILS OF DISBURSEMENT TO POWER SYSTEM DEVELOPMENT FUND

SI No	Nature of Amount	Amount transferred to PSDF (Rs in Lac)	Date of Disbursement	Cheque No	Remarks
1	Opening Balance (upto 31.12.15)	83873.87922			
2	Addl. Dev	18.40442	01.01.16		Addl Dev Charge 15-16
3	Addl. Dev	16.46976	05.01.16		Addl Dev Charge 15-16
4	Addl. Dev	33.27577	07.01.16		Addl Dev Charge 15-16
5	Addl. Dev	19.11532	11.01.16		Addl Dev Charge 15-16
6	Addl. Dev	90.94357	14.01.16		Addl Dev Charge 15-16
7	Addl. Dev	19.04467	18.01.16		Addl Dev Charge 15-16
8	Addl. Dev	50.72543	20.01.16		Addl Dev Charge 15-16
9	Addl. Dev	11.10228	22.01.16		Addl Dev Charge 15-16
10	Addl. Dev	45.43206	27.01.16		Addl Dev Charge 15-16
11	Addl. Dev	96.62204	29.01.16		Addl Dev Charge 15-16
12	Reactive Charge	450.00000	02.02.16		Reactive Energy Charge_15-16
13	Addl. Dev	69.01901	04.02.16		Addl Dev Charge 15-16
14	Addl. Dev	45.99429	11.02.16		Addl Dev Charge 15-16
15	Addl. Dev	50.44878	15.02.16		Addl Dev Charge 15-16
16	Addl. Dev	371.30972	17.02.16		Addl Dev Charge 15-16
17	Addl. Dev	91.04585	22.02.16		Addl Dev Charge 15-16
18	Addl. Dev	121.28575	24.02.16		Addl Dev Charge 15-16
19	Addl. Dev	40.83267	29.02.16		Addl Dev Charge 15-16
20	Addl. Dev	61.45400	02.03.16		Addl Dev Charge 15-16
21	Addl. Dev	16.51444	04.03.16		Addl Dev Charge 15-16
22	Addl. Dev	142.93695	09.03.16		Addl Dev Charge 15-16
23	Addl. Dev	55.54777	15.03.16		Addl Dev Charge 15-16
24	Addl. Dev	85.71223	17.03.16		Addl Dev Charge 15-16
25	Addl. Dev	58.13810	21.03.16		Addl Dev Charge 15-16
26	Addl. Dev	253.40681	23.03.16		Addl Dev Charge 15-16
27	Addl. Dev	25.92020	28.03.16		Addl Dev Charge 15-16
28	Reactive Charges	250.00000	28.03.16		Reactive Charges_15-16
29	Addl. Dev	83.33978	01.04.16		Addl Dev Charge 15-16
30	Addl. Dev	43.77416	05.04.16		Addl Dev Charge 15-16
31	Addl. Dev	31.83984	07.04.16		Addl Dev Charge 15-16
32	Addl. Dev	52.08622	11.04.16		Addl Dev Charge 15-16
33	Addl. Dev	107.23773	13.04.16		Addl Dev Charge 15-16
34	Addl. Dev	220.15330	19.04.16		Addl Dev Charge 15-16
35	Addl. Dev	76.84824	21.04.16		Addl Dev Charge 15-16
36	Addl. Dev	20.84026	26.04.16		DSM Interest 2014-15(Paid by APNRL)
37	Addl. Dev	10.01920	26.04.16		Addl Dev Charge 16-17
43	Addl. Dev	432.25696	28.04.16		Addl Dev Charge 16-17
44	Addl. Dev	117.08707	02.05.16		Addl Dev Charge 16-17
45	Addl. Dev	41.65418	04.05.16		Addl Dev Charge 16-17
46	Addl. Dev	114.33049	06.05.16		Addl Dev Charge 15-16 & 16-17
47	Deviation Interest	38.50018	06.05.16		Deviation Interest
48	Addl. Dev	35.54178	10.05.16		Addl Dev Charge 16-17
49	Addl. Dev	448.87953	31.05.16		Addl Dev Charge 16-17
50	Addl. Dev	170.51274	29.06.16		Addl Dev Charge 16-17
51	Reactive Charges	530.57497	28.09.16		Reactive Charges_15-16
274	Reactive Charges	1000.00000	26.12.16		Reactive Charges_16-17
	Total	90040.05774			

Status of Reconciliation of Deviation Pool Account

Annexure-VI

		2015-16				2016-17			
Name of The Utility		Q1 (01.07.15)	Q2(05.10.15)	Q3(05.01.16)	Q4(05.04.16)	Q1 (04.07.16)	Q2 (03.10.16)	Q3 (04.01.17)	
Inter Regional									
WR		YES	NO	YES	YES	NO	NO	YES	
SR		YES	YES	YES	YES	YES	YES	NO	
NER		NO	NO	YES	YES	NO	NO	NO	
NR		NO	NO	NO	NO	NO	NO	NO	
Intra Regional									
BSPHCL		YES	YES	YES	YES	YES	YES	NO	
JUVNL		NO	NO	NO	NO	NO	NO	NO	
DVC		YES	YES	YES	YES	YES	YES	NO	
GRIDCO		YES	YES	YES	YES	YES	YES	YES	
WBSETCL		YES	YES	YES	YES	NO	NO	NO	
SIKKIM		YES	YES	YES	YES	NO	NO	NO	
NTPC		YES	YES	YES	YES	YES	YES	YES	
NHPC		YES	YES	YES	YES	YES	YES	YES	
MPL		YES	YES	YES	YES	YES	YES	YES	
VEDANTA		YES	YES	YES	YES	NO	NO	NO	
APNRL		YES	YES	YES	YES	NO	NO	NO	
CHUZACHEN(GATI)		YES	YES	YES	YES	NO	NO	NO	
NVVN(Ind-Bng)		YES	YES	YES	YES	YES	YES	YES	
NVVN(Ind-Nep)		N/A	N/A	N/A	N/A	YES	YES	YES	
GMR		YES	YES	YES	YES	YES	YES	NO	
JITPL		YES	YES	YES	YES	YES	YES	YES	
INBEUL		NO	NO	NO	NO	NO	NO	NO	
TPTCL (DAGACHU)		YES	YES	YES	YES	YES	YES	YES	
JLHEP(DANS ENERGY)		N/A	N/A	YES	YES	NO	NO	NO	
POWERGRID		N/A	N/A	N/A	N/A	N/A	N/A	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-VII

Reconciliation Between Open Access department of ERLDC and SLDCs, STUs											
Sl. No.	STUs / SLDCs Name	Apr-16 13-May-16	May-16 14-Jun-16	Jun-16 13-Jul-16	Jul-16 17-Aug-16	Aug-16 16-Sep-16	Sep-16 14-Oct-16	Oct-16 16-Nov-16	Nov-16 15-Dec-16	Dec-16 12-Jan-17	
1	West Bengal - SLDC and STU	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
2	DVC - SLDC	Not Applicable	YES	YES	YES	YES	YES	YES	YES	Not Applicable	
3	OPTCL-SLDC and STU	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO

Reconciliation Between Open Access department of ERLDC and Applicants				
Sl. No.	Applicants Name	Quarter-I (Apr-16- June-16)	Quarter-II (Jul-16-Sep-16)	Quarter-III (Oct-16-Dec-16)
	Date of Issuance	7/14/2016	10/18/2016	13.01.17
1	Calcutta Electric Supply Company	YES	YES	NO
2	Damodar Valley Corporation	YES	NA	NA
3	GMR Kamalanga Energy Limited	YES	YES	NO
4	Jindal India Thermal Power Limited	YES	YES	NO
5	Jharkhand State Electricity Board	NO	NO	NO
6	SAIL Rourkela Steel Plant	YES	NO	NO
7	TATA Steel - Discom	NA	NO	YES
8	TATA Steel Ferro Alloy Plant Bamnibal	YES	YES	YES
9	TATA Steel Ferro Alloy Plant Joda	NA	NA	YES
10	Tata Steel Limited Kalinganagar	NA	YES	YES
11	West Bengal State Distribution Company Ltd.	YES	NA	NA

Reconciliation Between Open Access department of ERLDC and CTU						
Sl. No.	STUs / SLDCs Name	Apr-16 13-May-16	May-16 14-Jun-16	Jun-16 13-Jul-16	Jul-16 17-Aug-16	Aug-16 16-Sep-16
	Date of Issuance	YES	YES	YES	YES	YES
1	CTU(POWERGRID)	YES	YES	YES	YES	YES

Current Status of Letter of Credit (LC) amount against UI 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 2015-16	Total Deviation charges payable to pool during 2015-16	Average weekly Deviation Charge liability	LC Amount	Due date of expiry	Remarks
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	BSPHCL	42	42	9230.45609	177.50877	195.25965	Expired	Not Opened/Renewd (LC Expired of amount 529.52000 Lac on 03.01.17)
2	JUVNL	36	36	4060.64239	78.08928	85.89820	Not Opened	letter written
3	SIKKIM	5	5	75.76714	1.45706	1.60277	Expired	Not Opened/Renewd (LC Expired of amount 2.85136 Lac on 04.10.16)
4	MPL	7	2	34.59999	0.66538	0.73192	31.08.2017	Opened for 0.73192 Lacs
6	VEDANTA	48	15	7892.76469	151.78394	166.96233	31.05.2017	Opened for 166.96233 Lacs
7	APNRL	24	24	741.51734	14.25995	15.68594	20.04.2017	Opened for 15.63594 Lacs
8	CHUZACHEN	8	6	261.0675	5.02053	5.52258	Not Opened	Not Opened /Renewed
9	GMR	19	7	929.588	17.87669	19.66436	15.07.2017	Opened for 19.66436 Lacs
10	IND-BARATH	46	16	248.75964	4.78384	5.26222	Not Opened	Letter written

3rd Phase : 33 Locations

Annexure-X

3rd Phase : 33 Locations													
		S.No	ERLDC ID	OLD MTR	NEW MTR	LOCATION	S.No	ERLDC ID	OLD MTR	NEW MTR	LOCATION	NEW MTR	LOCATION
		1	AP-03	NP-7438-A	NP-8642-A	APNRL	109	EN-51		NP-7887-A	LAKHISARA(PG)		LAKHISARA(PG)
		2	AP-02	NP-7462-A	NP-8643-A	APNRL	110	EN-52		NP-7430-A	LAKHISARA(PG)		LAKHISARA(PG)
		3	EN-93		NP-8742-A	ARA(PG)	111	EN-89		NP-7887-A	LAKHISARA(PG)		LAKHISARA(PG)
		4	EN-94		NP-8743-A	ARA(PG)	112	EN-90		NP-7430-A	LAKHISARA(PG)		LAKHISARA(PG)
		5	ES-02		NP-8860-A	ARA(PG)	113	EN-51		NP-7888-A	LAKHISARA(PG)		LAKHISARA(PG)
		6	ES-22		NP-8790-A	BOLANGIR(PG)	114	EN-52		NP-7431-A	LAKHISARA(PG)		LAKHISARA(PG)
		7	ES-23		NP-8789-A	BOLANGIR(PG)	115	OR-23		NP-7915-A	DUBURI(GRIDCO)		DUBURI(GRIDCO)
		8	EP-99		NP-7860-A	BOLANGIR(PG)	116	JS-08		NP-8695-A	DUMKA(JUVNL)		DUMKA(JUVNL)
		9	ES-27		NP-8775-A	MALDA(PG)	117	JS-10		NP-8774-A	DUMKA(JUVNL)		DUMKA(JUVNL)
		10	ES-28		NP-8776-A	MALDA(PG)	118	SM-07		NP-8730-A	GYALSHING(SIKKIM)		GYALSHING(SIKKIM)
		11	EN-87		NP-8721-A	MAITHON(PG)	119	WB-60		LT-0307-A	HALDIA CESC(WB)		HALDIA CESC(WB)
		12	EN-88		NP-8738-A	MAITHON(PG)	120	WB-61		LT-0311-A	HALDIA CESC(WB)		HALDIA CESC(WB)
		13	ES-42		NP-7401-A	MAITHON(PG)	121	OR-15		NP-7991-A	BALIMELA(GRIDCO)		BALIMELA(GRIDCO)
		14	ES-01		NP-8874-A	MUZAFFARPUR(PG)	122	OR-16		NP-7992-A	BALIMELA(GRIDCO)		BALIMELA(GRIDCO)
		15	ES-07		NP-8871-A	MUZAFFARPUR(PG)	123	OR-62		NP-5907-A	BANGRIPOSH(GRIDCO)		BANGRIPOSH(GRIDCO)
		16	ES-08		NP-8873-A	MUZAFFARPUR(PG)	124	NB-01		NP-8700-A	NABINAGAR		NABINAGAR
		17	ES-09		NP-8872-A	MUZAFFARPUR(PG)	125	NB-02		NP-8701-A	NABINAGAR		NABINAGAR
		18	ES-43		NP-6077-A	MUZAFFARPUR(PG)	126	NB-05		NP-8662-A	NABINAGAR		NABINAGAR
		19	ES-44		NP-6078-A	MUZAFFARPUR(PG)	127	NB-07		NP-8892-A	NABINAGAR		NABINAGAR
		20	OR-20	NP-5983-A	NP-7498-A	MENDHASAL(GRIDCO)	128	NB-11		NP-8891-A	NABINAGAR		NABINAGAR
		21	BI-72		NP-8748-A	BANKA(BSPTCL)	129	BI-56		NP-7690-A	NALANDA(BSPTCL)		NALANDA(BSPTCL)
		22	ES-40		NP-8692-A	PUSALI(PG)	130	OR-22		NP-7916-A	NEW DUBURI(GRIDCO)		NEW DUBURI(GRIDCO)
		23	ES-41		NP-8693-A	PUSALI(PG)	131	EN-85		NP-8647-A	NEW MELLI(PG)		NEW MELLI(PG)
		24	EN-83		NP-8673-A	BANKA(PG)	132	EN-86		NP-8640-A	NEW MELLI(PG)		NEW MELLI(PG)
		25	EN-84		NP-8675-A	BANKA(PG)	133	ES-51		NR-4621-A	NEW MELLI(PG)		NEW MELLI(PG)
		26	ES-03		NP-8694-A	BANKA(PG)	134	ES-52		NR-4620-A	NEW MELLI(PG)		NEW MELLI(PG)
		27	ES-04		NP-8696-A	BANKA(PG)	135	BI-27		NP-8698-A	JAMUI(BSPHCL)		JAMUI(BSPHCL)
		28	BH-22		NP-7482-A	BARH(NTPC)	136	BI-26		NP-8669-A	JAMUI(BSPHCL)		JAMUI(BSPHCL)
		29	ES-45		NP-8074-A	BARIPADA(PG)	137	BI-27		NP-8668-A	JAMUI(BSPHCL)		JAMUI(BSPHCL)
		30	EN-68		NP-8721-A	BERHAMPUR(PG)	138	JI-01		NP-8737-A	JORETHANG(JLHEP)		JORETHANG(JLHEP)
		31	EN-69		NP-8726-A	BERHAMPUR(PG)	139	JI-02		NP-8766-A	JORETHANG(JLHEP)		JORETHANG(JLHEP)
		32	ES-10		NP-8655-A	PATNA(PG)	140	JI-03		NP-8762-A	JORETHANG(JLHEP)		JORETHANG(JLHEP)
		33	RG-12		NP-8734-A	RANGIT(NHPC)	141	JI-04		NP-8763-A	JORETHANG(JLHEP)		JORETHANG(JLHEP)
		34	RG-13		NP-8735-A	RANGIT(NHPC)	142	JI-05		NP-8764-A	JORETHANG(JLHEP)		JORETHANG(JLHEP)
		35	RG-14		NP-8732-A	RANGIT(NHPC)	143	JI-06		NP-8765-A	JORETHANG(JLHEP)		JORETHANG(JLHEP)
		36	RG-15		NP-8736-A	RANGIT(NHPC)	144	OR-17		NP-7561-A	KATAPALI(GRIDCO)		KATAPALI(GRIDCO)
		37	RG-16		NP-8735-A	RANGIT(NHPC)	145	BI-32		NP-8664-A	PUSALI NEW(BSPHCL)		PUSALI NEW(BSPHCL)
		38	OR-55	NP-0624-B	NP-5938-A	JODA(GRIDCO)	146	BI-33		NP-8665-A	PUSALI NEW(BSPHCL)		PUSALI NEW(BSPHCL)
		39	EN-29		NP-7950-A	ANGUL(PG)	147	EN-10		NP-7847-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		40	EN-30		NP-7558-A	ANGUL(PG)	148	EN-11		NP-7876-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		41	EN-31		NP-7987-A	ANGUL(PG)	149	EN-12		NP-7849-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		42	EN-32		NP-7988-A	ANGUL(PG)	150	EN-13		NP-7866-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		43	EN-43		NP-7629-A	ANGUL(PG)	151	EN-14		NP-7865-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		44	EN-44		NP-7949-A	ANGUL(PG)	152	EN-19		NP-7875-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		45	EN-32		NP-7908-A	ANGUL(PG)	153	EN-91		NP-8755-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		46	EN-63		NP-8780-A	ANGUL(PG)	154	EN-92		NP-8754-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		47	EN-64		NP-8781-A	ANGUL(PG)	155	EN-99		NP-8753-A	RANCHI NEW(PG)		RANCHI NEW(PG)
		48	EN-65		NP-8785-A	ANGUL(PG)	156	ES-46		NP-7013-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		49	EN-66		NP-8786-A	ANGUL(PG)	157	ES-47		NR-4614-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		50	EN-77		NP-8778-A	ANGUL(PG)	158	ES-48		NR-4444-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		51	EN-78		NP-8779-A	ANGUL(PG)	159	ES-49		NR-4436-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		52	EN-82		NP-8777-A	ANGUL(PG)	160	ES-50		NR-4440-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		53	ES-06		NP-8788-A	ANGUL(PG)	161	ES-11		NP-8887-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		54	ES-05	NP-8787-A	NP-7995-A	ANGUL(PG)	162	ES-12		NP-8885-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		55	ES-58		NP-8077-A	ANGUL(PG)	163	ES-13		NP-8856-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		56	ES-59		NP-8076-A	ANGUL(PG)	164	ES-14		NP-8886-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		57	EW-49		NP-7880-A	CHANDIL(JUVNL)	165	ES-15		NP-8858-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		58	EP-18	NP-7471-A	NP-8660-A	GAYA(PG)	166	ES-16		NP-8889-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		59	ES-26		NP-8659-A	GAYA(PG)	167	ES-17		NP-8859-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		60	EP-19		NP-8658-A	GAYA(PG)	168	ES-18		NP-8855-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		61	WB-30	NP-7470-A	NP-7403-A	KHARAGPUR(WB)	169	ES-19		NP-8880-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		62	BS-38	NR-4442-A	KISHANAGNI(BSPTCL)	KISHANAGNI(BSPTCL)	170	ES-20		NP-8888-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		63	BS-39	NR-4445-A	KISHANAGNI(BSPTCL)	KISHANAGNI(BSPTCL)	171	ES-21		NP-8857-A	KISHANAGNI(PG)		KISHANAGNI(PG)
		64	BI-28	NP-8653-A	SULTANGAN(BSPHCL)	SULTANGAN(BSPHCL)	172	EN-22		NP-7933-A	RANGPO(PG)		RANGPO(PG)
		65	BI-29	NP-8672-A	SULTANGAN(BSPHCL)	SULTANGAN(BSPHCL)	173	EN-23		NP-7955-A	RANGPO(PG)		RANGPO(PG)
		66	BI-61	NP-6019-B	NP-7400-A	SULTANGAN(BSPHCL)	174	EN-24		NP-7956-A	RANGPO(PG)		RANGPO(PG)

67	EN-40		NP-7906-A	SUNDERGARH(PG)	175	EN-25		NP-7957-A	RANGPO(PG)
68	EN-41		NP-7634-A	SUNDERGARH(PG)	176	EN-33		NP-7922-A	RANGPO(PG)
69	EN-42		NP-7638-A	SUNDERGARH(PG)	177	EN-34		NP-7923-A	RANGPO(PG)
70	EN-57		NP-7907-A	SUNDERGARH(PG)	178	EN-35		NP-7924-A	RANGPO(PG)
71	EN-79		NP-7636-A	SUNDERGARH(PG)	179	EN-36		NP-7623-A	RANGPO(PG)
72	EN-95		NP-7635-A	SUNDERGARH(PG)	180	EN-39		NP-7622-A	RANGPO(PG)
73	WB-23		LT-0194-A	SAGARDIGH(WBSETCL)	181	EN-38		NP-7621-A	RANGPO(PG)
74	WB-24		LT-0191-A	SAGARDIGH(WBSETCL)	182	EN-54		NP-7619-A	RANGPO(PG)
75	WB-25		NP-8724-A	SAGARDIGH(WBSETCL)	183	EN-55		NP-7620-A	RANGPO(PG)
76	WB-26		NP-8725-A	SAGARDIGH(WBSETCL)	184	EN-59		NP-8710-A	RANGPO(PG)
77	WB-27		NP-8723-A	SAGARDIGH(WBSETCL)	185	EN-60		NP-8711-A	RANGPO(PG)
78	WB-28		NP-8722-A	SAGARDIGH(WBSETCL)	186	EN-80		NP-8714-A	RANGPO(PG)
79	BI-07	NP-6074-A	NP-7825-A	SABOUR(BSPHCL)	187	EN-81		NP-8715-A	RANGPO(PG)
80	BI-73		NP-8748-A	SABOUR(BSPHCL)	188			NP-7940-A	RANGPO(PG)
81	ES-31		NP-7442-A	PANDIABILI(PG)	189			NP-7941-A	RANGPO(PG)
82	ES-32		NP-7427-A	PANDIABILI(PG)	190	ES-24		NP-8712-A	RANGPO(PG)
83	ES-33		NP-7464-A	PANDIABILI(PG)	191	ES-25		NP-8713-A	RANGPO(PG)
84	ES-34		NP-7554-A	PANDIABILI(PG)	192	OR-18		NP-7944-A	SADDEIPALI(GRIDCO)
85	ES-35		NP-7438-A	PANDIABILI(PG)	193	JS-11		NP-8865-A	CHAIBASA(JUVNL)
86	ES-36		NP-7407-A	PANDIABILI(PG)	194	JS-12		NP-8866-A	CHAIBASA(JUVNL)
87	ES-37		NP-7462-A	PANDIABILI(PG)	195	JS-13		NP-8867-A	CHAIBASA(JUVNL)
88	JS-50		NP-8644-A	KENDIPOS(JUVNL)	196	SM-06		NP-8797-A	SAGBARI(SIKKIM)
89	WB-29		NP-7381-A	KHARAGPUR(WB)	197	SM-08		NP-8798-A	SAGBARI(SIKKIM)
90	BI-50		NP-7869-A	KUDRA(BSPHCL)	198	BI-42		NP-7380-A	SONNAGAR NEW(BSPTCL)
91	BI-26		NP-8697-A	LAKHISARA(BSPHCL)	199	BI-43		NP-7450-A	SONNAGAR NEW(BSPTCL)
92	BI-30		NP-8670-A	LAKHISARA(BSPTCL)	200	IB-01		NP-8792-A	IBEUL
93	BI-31		NP-8671-A	LAKHISARA(BSPTCL)	201	IB-02		NP-8793-A	IBEUL
94	EN-46		NP-7432-A	LAKHISARA(PG)	202	IB-03		NP-8795-A	IBEUL
95	EN-27		NP-7433-A	LAKHISARA(PG)	203	IB-04		NP-8794-A	IBEUL
96	EN-37		NP-7889-A	LAKHISARA(PG)	204	IB-05		NP-8783-A	IBEUL
97	EN-26		NP-7885-A	LAKHISARA(PG)	205	IB-06		NP-8782-A	IBEUL
98	EN-47		NP-7886-A	LAKHISARA(PG)	206	IB-07		NP-8784-A	IBEUL
99	EN-50		NP-7429-A	LAKHISARA(PG)	207	IB-08		NP-8796-A	IBEUL
100	EN-51		NP-7888-A	LAKHISARA(PG)	208	TL-32		NP-7981-A	TALCHER SOLAR(INTPC)
101	EN-58		NP-8678-A	CHAIBASA(PG)	209	TL-33		NP-7626-A	TALCHER SOLAR(INTPC)
102	EN-67		NP-8637-A	CHAIBASA(PG)	210	TL-34		NP-7962-A	TALCHER SOLAR(INTPC)
103	EN-97		NP-8868-A	CHAIBASA(PG)	211	TL-35		NP-7628-A	TALCHER SOLAR(INTPC)
104	EN-98		NP-8869-A	CHAIBASA(PG)	212	TL-37		NP-7627-A	TALCHER SOLAR(INTPC)
105	ES-29		NP-7471-A	CHAIBASA(PG)	213	TL-38		NP-5868-A	TALCHER SOLAR(INTPC)
106	ES-30		NP-7467-A	CHAIBASA(PG)	214	TL-31		NP-7909-A	TALCHER SOLAR(INTPC)
107	DM-01		NP-8656-A	DARBHANGA(DMTCL)	215	TL-30		NP-5879-A	TALCHER SOLAR(INTPC)
108	DM-02		NP-8719-A	DARBHANGA(DMTCL)	216	TL-37	NP-7627-A	NP-7946-A	TALCHER SOLAR(INTPC)
					217	TL-40	NP-7618-A	NP-7945-A	TALCHER SOLAR(INTPC)
					218	TL-39	NP-7614-A	NP-7631-A	TALCHER SOLAR(INTPC)
					219	TL-41	NP-7615-A	NP-7633-A	TALCHER SOLAR(INTPC)
					220	TL-36	NP-7632-A	NP-7630-A	TALCHER SOLAR(INTPC)
					221			LT-0135-A	MTPS KANTI(INTPC)
					222			LT-0192-A	MTPS KANTI(INTPC)
					223			LT-0128-A	MTPS KANTI(INTPC)
					224			LT-0133-A	MTPS KANTI(INTPC)
					225			LT-0093-A	MTPS KANTI(INTPC)
					226			LT-0127-A	MTPS KANTI(INTPC)
					227			LT-0126-A	MTPS KANTI(INTPC)
					228			TP-0006-A	MTPS KANTI(INTPC)
					229			LT-0132-A	MTPS KANTI(INTPC)
					230			LT-0130-A	MTPS KANTI(INTPC)
					231			LT-0092-A	MTPS KANTI(INTPC)
					232			LT-0128-A	MTPS KANTI(INTPC)
					233			LT-0125-A	MTPS KANTI(INTPC)
					234			LT-0140-A	MTPS KANTI(INTPC)
					235			LT-0131-A	MTPS KANTI(INTPC)
					236			TP-0008-A	MTPS KANTI(INTPC)
					237			LT-0246-A	MTPS KANTI(INTPC)
					238			LT-0219-A	MTPS KANTI(INTPC)
					239			LT-0214-A	MTPS KANTI(INTPC)
					240			LT-0242-A	MTPS KANTI(INTPC)
					241			LT-0187-A	MTPS KANTI(INTPC)
					242			LT-0215-A	MTPS KANTI(INTPC)
					243	ES-54		NR-4451-A	ALIPURDUAR(PG)
					244	ES-55		NR-4452-A	ALIPURDUAR(PG)
					245	ES-56		NR-4457-A	ALIPURDUAR(PG)
					246	ES-57		NR-4458-A	ALIPURDUAR(PG)



List of all Energy Meters installed at various Sub Stations which has defective RS-485 communication port

Date : 19-Jan-2017

SL No	Utility	Sub Station	Meter SL No.
1.	BSEB	Biharsharif	NP-5842-A
2.	JSEB	Ramchandrapur	NP-5119-A
3.	NTPC	Kahalgaoon	NP-5855-A
4.	NTPC	Talcher	NP-5081-A
5.	PG	Rourkela	NP-5932-A
6.	IPPR	MPL	NP-6549-A
7.	GRIDCO	Mendhasal	NP-5980-A
8.	WBSEB	Sagardihi	NP-5072-A NP-6119-A
9.	PG	Jeypore	NP-5961-A
10.	PG	Gaya	NP-7469-A NP-7428-A
11.	WBSEB	Kharagpur	NP-7381-A NP-7403-A
12.	DVC	DSTPP	NP-6525-A

List of Time Drifted SEMs in ER

Annexure-XI

SNO	LOC ID	Sub Station	METER S NO	FEEDER NAME	DCU TIME	METER TIME	TIME DIF(min)
1	BI-11	ARA(BSPTCL)	NP-6052-A	ARA END OF ARAH (PG)	23:53:55	00:04:11	11
2	BI-58	BANKA(BSPTCL)	NP-7833-A	132 KV BANKA(PG)	22:38:06	22:51:58	13
3	BI-59	BANKA(BSPTCL)	NP-7874-A	132 KV BANKA LINE	18:41:05	18:52:12	11
4	BH-22	BARH(NTPC)	NP-7482-A	400 KV BARH 200 MVA ICT 3	22:55:11	23:12:14	17
5	EM-59	BARIPADA(PG)	NP-5911-A	HV SIDE OF 220/132 KV ICT-1	09:02:45	09:13:24	11
6	EM-58	BARIPADA(PG)	NP-5913-A	BARIPADA END OF BALASORE (GRIDCO) -2	09:01:52	09:15:33	14
7	EM-89	BARIPADA(PG)	NP-5971-A	BARIPADA END OF MENDHASAL(GRIDCO)-2	09:09:05	09:22:55	13
8	EM-87	BARIPADA(PG)	NP-5974-A	BARIPADA END OF JAMSHEDPUR	09:10:51	09:24:56	14
9	EM-88	BARIPADA(PG)	NP-5975-A	BARIPADA END OF MENDHASAL(GRIDCO)-1	09:08:13	09:21:11	13
10	ES-45	BARIPADA(PG)	NP-8074-A	400 KV SIDE OF 500 MVA ICT-3	09:11:44	09:23:48	12
11	EP-88	BERHAMPORE(PG)	NP-7989-A	400 KV FARAKKA(NTPC) LINE(CHECK)	09:00:48	09:18:34	18
12	EP-94	BERHAMPORE(PG)	NP-7993-A	400 KV BHERMARA(BANGLDESH) LINE-1(CHECK)	09:03:49	09:20:14	17
13	EP-95	BERHAMPORE(PG)	NP-7994-A	400 KV BHERMARA(BANGLDESH) LINE-2(MAIN)	09:04:39	09:18:45	14
14	EP-93	BHERAMARA(BANGADESH)	NP-7612-A	400 KV BHERMARA(BANGLDESH) LINE-1(MAIN)	09:03:04	09:22:02	19
15	EP-96	BHERAMARA(BANGADESH)	NP-7613-A	400 KV BHERMARA(BANGLDESH) LINE-2(CHECK)	09:05:26	09:18:20	13
16	EM-07	Binaguri(PG)	NP-5086-A	BINAGURI END OF TALA (THP)-1	19:47:02	19:57:56	10
17	EM-09	Binaguri(PG)	NP-5088-A	BINAGURI END OF MALBASE(PG)	19:50:43	20:02:13	12
18	EM-12	Binaguri(PG)	NP-5091-A	BINAGURI END OF PURNEA-2	19:56:15	20:08:26	12
19	EM-13	Binaguri(PG)	NP-5092-A	BINAGURI END OF PURNEA-3	19:53:33	20:03:11	10
20	ER-19	Binaguri(PG)	NP-5882-A	BINAGURI END OF NEW JALPAIGURI (WBIHAR)-I	20:00:39	20:14:24	14
21	ER-21	Binaguri(PG)	NP-5885-A	BINAGURI END OF BONGAIGAON (NER)-2	19:52:36	20:03:39	11
22	EM-68	Binaguri(PG)	NP-5887-A	BINAGURI END OF Rangpo-2	19:58:06	20:12:21	14
23	EM-10	Binaguri(PG)	NP-5888-A	BINAGURI END OF TALA (THP)-4	19:49:46	20:02:38	13
24	ER-87	Binaguri(PG)	NP-5890-A	LV SIDE OF BINAGURI 315 MVA ICT-2	20:03:27	20:13:02	10
25	EN-06	Binaguri(PG)	NP-7917-A	BINAGURI END ALIPURDUAR LINE - 1	19:59:51	20:16:21	17
26	EN-07	Binaguri(PG)	NP-7918-A	BINAGURI END BONGAIGAON LINE - 2	19:59:03	20:14:03	15
27	EP-49	BIRPARA(PG)	NP-5891-A	HV SIDE OF 220 ICT-2	23:28:02	23:55:00	27
28	ER-44	BIRPARA(PG)	NP-5892-A	BIRPARA END OF BIRPARA (WB)-1	23:13:57	23:48:42	35
29	ER-40	BIRPARA(PG)	NP-6464-A	BIRPARA END OF CHUKHA (CHPC) -2	23:19:06	23:08:00	-11
30	ER-41	BIRPARA(PG)	NP-6490-A	BIRPARA END OF MALBASE	23:22:43	23:12:46	-10
31	WB-02	BIRPARA(WBSETCL)	NP-5893-A	BIRPARA END OF BIRPARA (PG)-2	23:12:50	23:34:26	22
32	EP-33	BOLANGIR(PG)	NP-7536-A	400 KV SIDE BOLANGIR KV 315 MVA ICT-II	09:01:48	09:19:00	18
33	EP-31	BOLANGIR(PG)	NP-7537-A	BOLANGIR END OF JEYPORE-1	09:00:02	09:13:50	13
34	EP-32	BOLANGIR(PG)	NP-7538-A	BOLANGIR END OF JINDAL(JDL)	09:02:22	09:17:30	15
35	EP-99	BOLANGIR(PG)	NP-7560-A	400 KV BOLANGIR 315 MVA ICT 1	09:00:48	09:18:37	18
36	JS-05	CHANDIL(JUVNL)	NP-7434-A	CHANDIL END OF RANCHI (PG)	22:20:07	22:36:46	16
37	JS-08	CHANDIL(JUVNL)	NP-7435-A	CHANDIL END OF HATIA(JSEB)	22:17:43	22:32:35	15
38	JS-57	CHANDIL(JUVNL)	NP-7436-A	CHANDIL END OF SANTALDIH (WBIHAR)	22:19:19	22:35:21	16
39	JS-56	CHANDIL(JUVNL)	NP-7461-A	CHANDIL END OF MANIQUE (DVC)	22:18:31	22:29:53	11
40	ER-60	DALKHOLA(PG)	NP-6477-A	220 KV DALKHOLA FDR1	09:05:12	08:51:04	-14
41	ER-61	DALKHOLA(PG)	NP-6479-A	220 KV DALKHOLA FDR2	09:04:08	08:47:14	-17
42	EM-96	DALKHOLA(PG)	NP-7969-A	220 DALKHOLA(WBSETCL) LINE-1	09:00:02	09:16:10	16
43	EP-55	Dalkhola(WB)	NP-5068-A	220 KV DALKHOLA (WB) LINE-2	09:00:55	09:23:05	23
44	BI-62	DEHRI(BSPTCL)	NP-6097-A	220 KV DEHRI (BSPHCL) - PUSAULI (PG)	09:00:02	09:10:16	10
45	BI-18	DEHRI(BSPTCL)	NP-7397-A	220 KV DEHRI (BSPHCL)-GAYA(PG) LINE-II	09:01:47	09:16:18	15
46	BI-17	DEHRI(BSPTCL)	NP-7449-A	220 KV DEHRI (BSPHCL)-GAYA(PG) LINE-I	09:01:00	09:15:30	14
47	BI-12	DUMRAON(BSPTCL)	NP-6067-A	132 KV DUMRAON (BSPHCL) - ARAH (PG)	23:10:26	23:20:21	10
48	ER-68	DURGAPUR(PG)	NP-5831-A	400 KV B NAGAR-1 LINE MAIN	09:16:51	09:29:10	13
49		DURGAPUR(PG)	NP-6024-B	RF 1KT-2 LINE	09:31:11	09:47:28	16
50	EM-20	DURGAPUR(PG)	NP-7557-A	400 KV SDG LINE 2	09:11:20	09:29:02	18
51	EP-79	DURGAPUR(PG)	NP-7954-A	400 KV FARAKKA LINE 1	09:05:48	09:20:09	15
52	EP-80	DURGAPUR(PG)	NP-7975-A	400 KV FARAKKA 2	09:08:34	09:24:31	16
53	FK-05	FARAKKA(NTPC)	NP-7553-A	FARAKKA GT5	09:02:40	09:18:09	16
54	EP-87	FARAKKA(NTPC)	NP-7609-A	400 KV FARAKKA(NTPC) LINE(MAIN)	09:00:02	09:18:30	18
55	FK-03	FARAKKA(NTPC)	NP-7928-A	FARAKKA GT-3	09:13:42	09:28:38	15
56	FK-01	FARAKKA(NTPC)	NP-7960-A	FARAKKA (GT1)	09:14:29	09:29:23	15
57	FK-02	FARAKKA(NTPC)	NP-7986-A	FARAKKA GT-2	09:15:18	09:30:45	15
58	BI-23	FATUA(BSPTCL)	NP-7850-A	220 KV PATNA (PG)	23:52:11	00:03:30	11
59	EM-06	GANGTOK(PG)	NP-6025-A	66 KV SIDE OF GANGTOK 132/66 KV ICT-2	19:57:28	20:17:08	20
60	EM-02	GANGTOK(PG)	NP-6027-A	132 KV GANGTOK(PG) - RANGIT (NHPC)	19:53:46	20:04:40	11
61	EM-05	GANGTOK(PG)	NP-6028-A	132 KV SIDE OF GANGTOK 132/66 KV ICT-2	19:55:37	20:11:32	16
62	EM-03	GANGTOK(PG)	NP-6029-A	132 KV SIDE OF GANGTOK 132/66 KV ICT-1	19:54:43	20:04:05	10
63	EM-04	GANGTOK(PG)	NP-6030-A	66 KV SIDE OF GANGTOK 132/66 KV ICT-1	19:56:31	20:06:07	10
64	EP-16	GAYA(PG)	NP-6098-A	220 KV GAYA (PG)-DEHRI(BSPHCL) LINE-II	09:35:45	09:49:18	14
65	EP-28	GAYA(PG)	NP-7428-A	765 KV SIDE OF 765/400 KV GAYA ICT-1	21:43:26	21:53:21	10
66	EP-12	GAYA(PG)	NP-7453-A	400 KV SIDE GAYA 400/220 315 MVA ICT-2	09:21:49	09:32:36	11
67	EN-70	GAYA(PG)	NP-7473-A	GAYA- KODERMA LINE-1	09:13:36	09:23:32	10
68	ES-62	GAYA(PG)	NP-7827-A	220 KV GAYA (PG)-SONAGAR(BSPHCL) LINE-I	09:41:23	09:51:00	10
69	BI-52	HAJIPUR(BSPTCL)	NP-7851-A	220KV MUZAFFARPUR -1 (PG)	09:00:02	09:16:29	16
70	BI-53	HAJIPUR(BSPTCL)	NP-7852-A	220KV MUZAFFARPUR -2(PG)	09:00:49	09:14:46	14
71	JS-06	HATIA(JUVNL)	NP-6121-A	HATIA END OF CHANDIL (JSEB)	09:00:54	09:22:27	22
72	JS-07	HATIA(JUVNL)	NP-6122-A	HATIA END OF RANCHI (PG)	09:00:02	09:13:37	13
73	DV-57	JAMSHEDPUR(DVC)	NP-6010-B	JAMSHEDPUR END OF JODA(GRIDCO)	23:54:36	00:25:47	31
74	EP-89	JEERAT(WBSETCL)	NP-7610-A	400 KV JEERAT(WBSETCL) LINE(MAIN)	09:01:34	09:22:31	21
75	EP-90	JEERAT(WBSETCL)	NP-7611-A	400 KV JEERAT(WBSETCL) LINE(CHECK)	09:02:19	09:17:48	15
76	ER-75	JEYPORE(PG)	NP-5955-A	HV SIDE OF JEYPORE 315 MVA ICT -1	21:24:58	22:13:48	49
77	ER-77	JEYPORE(PG)	NP-5956-A	HV SIDE OF JEYPORE 315 MVA ICT -2	21:25:58	22:18:59	53
78	ER-34	JEYPORE(PG)	NP-5957-A	JEYPORE END OF JEYNAGAR (GRIDCO) -1	21:26:51	22:18:39	52
79	ER-35	JEYPORE(PG)	NP-5958-A	JEYPORE END OF JEYNAGAR (GRIDCO) -2	21:27:44	22:22:53	55
80	ER-36	JEYPORE(PG)	NP-5959-A	JEYPORE END OF INDRAVATI (PG)	21:28:37	22:15:05	47
81	ER-38	JEYPORE(PG)	NP-5960-A	JEYPORE END OF M MUNDALI (GRIDCO)	21:29:33	22:19:08	50
82	ER-84	JEYPORE(PG)	NP-5961-A	JEYPORE END OF GAJUWAKA (PG) -1	06:21:08	07:07:11	46

83	ER-85	JEYPORE(PG)	NP-5962-A	JEYPORE END OF GAJUWAKA (PG) -2	21:30:48	22:19:44	49
84	JD-02	JITPL	NP-7947-A	400 KV SIDE OF JINDAL GT-2	23:53:47	00:09:32	16
85	JD-01	JITPL	NP-7948-A	400 KV SIDE OF JINDAL GT-1	23:53:02	00:09:00	16
86	BI-09	KAHALGAON(BSPTCL)	NP-6071-A	KAHALGAON END OF LALMATIA LINE-I	22:05:39	22:22:46	17
87	BI-10	KAHALGAON(BSPTCL)	NP-6076-A	KAHALGAON END OF KAHALGAON (NTPC)	22:06:39	22:19:52	13
88	WB-59	KALIMPONG(WBSETCL)	NP-5994-A	Melli Bazar 1	23:40:47	00:10:31	30
89	JS-52	KENDIPOSI(JUVNL)	NP-6117-A	KENDIPOSI END OF JODA (GRIDCO)	22:09:56	22:23:47	14
90	EP-64	KEONJHAR(PG)	NP-7546-A	HV SIDE OF 400/220 KV JEONJHAR ICT-1	09:05:33	09:20:24	15
91	EP-62	KEONJHAR(PG)	NP-7547-A	KEONJHAR END OF 400 KV BARIPADA(PG)	09:08:19	09:25:21	17
92	EP-63	KEONJHAR(PG)	NP-7548-A	KEONJHAR END OF 400 KV RENGALI(PG)	09:02:48	09:17:25	15
93	EP-65	KEONJHAR(PG)	NP-7549-A	HV SIDE OF 400/220 KV JEONJHAR ICT-2	09:00:02	09:12:42	12
94	BI-22	KHAGAU(LBSPTCL)	NP-5833-A	KHAGAU END OF PATNA	22:25:18	22:38:27	13
95	WB-17	KHARAGPUR(WBSETCL)	NP-7563-A	400 KV BARIPADA(PG)	23:40:21	23:57:33	17
96	BI-21	Kishanganj(BSPTCL)	NP-6085-A	KISHANGANJ END OF DALKHOLA (WBIHAR)	23:41:05	23:52:10	11
97	DV-61	KOLAGHAT(DVC)	NP-6558-B	KOLAGHAT END OF KOLAGHAT (WBIHAR)	22:00:51	21:50:07	-10
98	WB-57	KURSEONG(WBSETCL)	NP-7541-A	132 KV RANGIT(NHPC)	23:42:17	23:55:27	13
99	JS-03	LALMATIA(JUVNL)	NP-6108-A	132 KV LALMATIA (JSEB) - KAHALGAON (NTPC)	09:01:00	09:14:46	13
100	JS-04	LALMATIA(JUVNL)	NP-6109-A	220 KV LALMATIA (JSEB) - FARAKKA (NTPC)	09:01:53	09:13:54	12
101	JS-63	LALMTIA(JUVNL)	NP-6107-A	32 KV LALMATIA (JSEB) - KAHALGAON (BSPHCL)	09:00:02	09:14:29	14
102	EM-97	MAITHON(PG)	NP-5206-A	MAITHON END OF MEJIA LINE-1	21:10:23	21:40:54	30
103	EM-98	MAITHON(PG)	NP-5225-A	MAITHON END OF MEJIA LINE-2	21:03:50	21:34:47	31
104	ER-12	MAITHON(PG)	NP-6451-A	MAITHON END OF KALYANESWARI (DVC) -2	21:00:02	20:49:16	-11
105	ER-69	MAITHON(PG)	NP-6453-A	HV SIDE OF MAITHON 315 MVA ICT -1	09:04:31	08:51:40	-13
106	EM-82	MAITHON(PG)	NP-6509-A	MAITHON END OF KALYANESHWARI LINE-3	21:01:59	20:51:28	-10
107	EM-84	MAITHON(PG)	NP-6519-A	MAITHON END OF MAITHON RB (MPL)-1	21:09:29	20:58:35	-11
108	EM-81	MAITHON(PG)	NP-6529-A	MAITHON END OF KALYANESWARI (DVC) -1	21:01:02	20:51:46	-10
109	EP-06	MAITHON(PG)	NP-7492-A	MAITHON END OF DURGAPUR(PG)-II	21:13:44	21:31:25	18
110	EP-05	MAITHON(PG)	NP-7534-A	MAITHON END OF DURGAPUR(PG)-I	21:12:56	21:28:42	16
111	EP-22	MAITHON(PG)	NP-7535-A	MAITHON END OF RTPS -2	21:15:20	21:32:44	17
112	EP-50	MAITHON(PG)	NP-7550-A	MAITHON END OF KODERMA LINE-I	21:16:08	21:32:29	16
113	EP-51	MAITHON(PG)	NP-7551-A	MAITHON END OF KODERMA LINE-II	21:16:56	21:32:26	16
114	EP-78	MAITHON(PG)	NP-7902-A	MAITHON END OF RANCHI LINE	21:14:32	21:29:03	15
115	EP-76	MAITHON(PG)	NP-7903-A	MAITHON END OF KAHALGAON LINE-1	21:12:08	21:27:42	15
116	EP-77	MAITHON(PG)	NP-7904-A	MAITHON END OF KAHALGAON LINE-2	21:11:20	21:26:49	15
117	ER-59	MALDA(PG)	NP-6478-A	132 KV MALDA WBSETCL2	09:00:02	08:44:37	-16
118	ER-58	MALDA(PG)	NP-7555-A	132 KV MALDA WBSETCL1	09:01:47	09:19:24	18
119	EP-91	MALDA(PG)	NP-7925-A	220 KV ICT3	09:06:04	09:21:52	15
120	EN-04	MALDA(PG)	NP-7926-A	220 KV ICT-5	09:03:21	09:19:12	16
121	ER-88	MALDA(PG)	NP-7927-A	400 KV PURNIA2	09:07:38	09:23:13	16
122	EP-92	MALDA(PG)	NP-7976-A	400 KV PURNIA1	09:06:51	09:21:47	15
123	EP-98	MALDA(PG)	NP-7977-A	132 KV ICT-1	09:01:01	09:14:28	13
124	EP-97	MALDA(PG)	NP-7978-A	132 KV ICT-2	09:02:34	09:17:40	15
125	DV-24	MEJIA(DVC)	NP-5226-A	MEJIA END OF MAITHON(PG)-1	09:01:42	09:23:30	22
126	DV-25	MEJIA(DVC)	NP-5227-A	MEJIA END OF MAITHON(PG)-2	09:03:28	09:20:51	17
127	DV-05	MEJIA(DVC)	NP-6508-A	MEJIA END OF JAMSHEDPUR (PG)	09:09:45	08:59:28	-10
128	DV-13	MEJIA(DVC)	NP-6532-A	HV SIDE OF MEJIA GT-2	09:04:21	08:53:42	-11
129	DV-12	MEJIA(DVC)	NP-6534-A	HV SIDE OF MEJIA GT-1	09:06:05	08:55:15	-11
130	DV-04	MEJIA(DVC)	NP-6557-A	MEJIA END OF DSTPS (DVC)	09:08:07	08:56:20	-12
131	DV-16	MEJIA(DVC)	NP-6776-A	MEJIA END OF DSTPP (DVC)	09:07:12	08:53:23	-14
132	DV-17	MEJIA(DVC)	NP-7493-A	MEJIA END OF JAMSHEDPUR (PG)	09:08:59	09:23:37	15
133	DV-26	MEJIA(DVC)	NP-7494-A	MEJIA END OF MAITHON(PG)-1	09:00:55	09:15:33	15
134	DV-27	MEJIA(DVC)	NP-7495-A	MEJIA END OF MAITHON(PG)-2	09:02:41	09:23:33	21
135	DV-14	MEJIA(DVC)	NP-7943-A	HV SIDE OF MEJIA STN TRANSF-1	09:00:02	09:16:13	16
136	SM-51	MELLI(SIKKIM)	NP-5849-A	66 KV Kalimpong	11:56:16	12:07:52	11
137	SM-04	MELLI(SIKKIM)	NP-5997-A	132 KV Rangit	09:00:02	09:12:34	12
138	MR-05	MPL	NP-7568-A	HV SIDE OF MAITHON RB GT-1	21:59:56	22:12:50	13
139	MR-08	MPL	NP-7897-A	HV SIDE OF MAITHON	22:31:43	22:41:40	10
140	MR-06	MPL	NP-7972-A	HV SIDE OF MAITHON RB GT-2	23:44:34	00:00:08	16
141	EP-56	MUZAFFARPUR(PG)	NP-5233-A	MUZAFFARPUR(PG)-HAJIPUR(BSPHCL) LINE-1	09:07:16	09:22:33	15
142	EP-57	MUZAFFARPUR(PG)	NP-5234-A	MUZAFFARPUR(PG)-HAJIPUR(BSPHCL) LINE-2	09:08:09	09:20:37	12
143	WB-04	NBU(WBSETCL)	NP-5953-A	NBU END OF SILIGURI(PG)-1	09:00:02	09:16:17	16
144	ES-34	PANDIABIL(PG)	NP-7554-A	400 KV PANDIABIL(PG)-MENDHASAL(GRIDCO)-2	07:02:35	07:19:05	17
145	EM-56	PATNA(PG)	NP-5271-A	220 KV SIDE OF PATNA ICT-1	23:38:17	23:49:19	11
146	EM-53	PATNA(PG)	NP-5273-A	400 KV PATNA (ER) - BALIA (NR)-2	09:31:35	09:42:34	11
147	EM-65	PATNA(PG)	NP-5832-A	220 KV PATNA(PG) - KHAGAU(LBSPTCL)	23:49:49	00:00:26	11
148	EM-62	PATNA(PG)	NP-5839-A	400 KV SIDE OF PATNA ICT-2	09:17:10	09:27:43	10
149	EM-64	PATNA(PG)	NP-5865-A	220 KV PATNA - FATUA	23:32:29	23:44:36	12
150	EP-47	PATNA(PG)	NP-7838-A	220 KV PATNA(PG)-SIPARA(BSPHCL) LINE-II	09:14:25	09:26:48	12
151	EP-46	PATNA(PG)	NP-7864-A	220 KV PATNA(PG)-SIPARA(BSPHCL) LINE-I	23:55:20	00:09:44	14
152	JS-55	PATRATU(JUVNL)	NP-6003-B	PATRATU END OF PATRATU (DVC) TRANSFER BUS	09:01:50	09:16:51	15
153	JS-54	PATRATU(JUVNL)	NP-6004-B	PATRATU END OF PATRATU (DVC) -1	09:00:55	09:22:02	22
154	JS-40	PATRATU(JUVNL)	NP-6005-B	PATRATU END OF PATRATU (DVC) -2	09:00:02	09:19:40	19
155	BI-20	Purnea(BSPTCL)	NP-5236-A	PURNEA END OF PURNEA (PG)-3	23:40:11	23:55:06	15
156	BI-03	Purnea(BSPTCL)	NP-6088-A	PURNEA END OF PURNEA (PG) -1	23:37:32	23:47:23	10
157	BI-51	Purnea(BSPTCL)	NP-6090-A	PURNEA END OF PURNEA (PG) -3	23:38:26	23:49:16	11
158	ER-62	Purnea(PG)	NP-6081-A	PURNEA END OF PURNEA (BIHAR) -1	09:00:02	09:12:33	12
159	ER-48	Purnea(PG)	NP-6083-A	PURNEA END OF PURNEA (BIHAR) -3	09:01:59	09:16:00	15
160	ER-65	Purnea(PG)	NP-7419-A	PURNEA END OF DALKHOLA (PG) -2	09:04:37	09:22:24	18
161	ER-64	Purnea(PG)	NP-7420-A	PURNEA END OF DALKHOLA (PG) -1	09:03:50	09:21:12	18
162	EM-51	Purnea(PG)	NP-7421-A	PURNEA END OF MUZAFFARPUR -1	09:05:50	09:21:38	16
163	EM-52	Purnea(PG)	NP-7422-A	PURNEA END OF MUZAFFARPUR LINE-2	09:05:03	09:22:52	17
164	ER-32	Purnea(PG)	NP-7423-A	PURNEA END OF BINAGURI (PG)-2	09:02:28	09:20:58	18
165	ER-33	Purnea(PG)	NP-7424-A	PURNEA END OF BINAGURI (PG)-1	09:01:41	09:18:13	17
166	EP-83	Purnea(PG)	NP-7828-A	PURNEA END OF MADHEPURA(BSPHCL) LINE-1	09:00:55	09:12:19	12

167	EP-84	Purnea(PG)	NP-7829-A	PURNEA END OF MADHEPURA(BSPHCL) LINE-2	09:00:02	09:16:03	16
168	EP-86	Purnea(PG)	NP-7835-A	PURNEA END OF BIHARSHARIFF LINE-2	09:07:35	09:21:09	14
169	EM-41	RANCHI(PG)	NP-5871-A	400 KV RANCHI(PG)-RTPS(DVC)	09:07:59	09:19:29	12
170	EM-42	RANCHI(PG)	NP-5873-A	400 KV SIDE OF RANCHI ICT-2	09:07:03	09:17:20	10
171	EM-46	RANCHI(PG)	NP-5877-A	400 KV RANCHI-MAITHON	09:06:07	09:17:20	11
172	EN-08	RANCHI(PG)	NP-7402-A	400 KV RANCHI(PG)- RANCHI NEW(PG) LINE-3	09:17:33	09:36:25	19
173	EN-05	RANCHI(PG)	NP-7837-A	400 KV RANCHI(PG)- RANCHI NEW(PG) LINE-1	09:16:00	09:30:43	14
174	EN-09	RANCHI(PG)	NP-7873-A	400 KV RANCHI(PG)- RANCHI NEW(PG) LINE-4	09:18:17	09:33:30	15
175	EM-49	RANCHI(PG)	NP-7880-A	220 KV HATIA LINE 2	09:03:34	09:16:14	13
176	EN-96	RANCHI(PG)	NP-7881-A	220 KV HATIA LINE 1	09:02:47	09:16:52	14
177	EP-81	RENGALI(PG)	NP-7952-A	RENGALI END OF 400 KV TSTPP LINE-1	22:13:44	22:23:29	10
178	ER-72	ROURKELA(PG)	NP-5930-A	HV SIDE OF ROURKELA 315 MVA ICT -2	22:22:38	22:39:29	17
179	ER-26	ROURKELA(PG)	NP-5931-A	ROURKELA END OF JAMSHEDPUR (PG)-2	22:29:05	22:50:05	21
180	ER-24	ROURKELA(PG)	NP-5933-A	ROURKELA END OF TARKERA (GRIDCO)-2	22:24:36	22:38:38	14
181	ER-80	ROURKELA(PG)	NP-5943-A	ROURKELA END OF RAIGARH - I	22:21:39	22:31:07	10
182	EM-92	ROURKELA(PG)	NP-7965-A	ROURKELA END OF RAIGARH (WR)-2	22:25:34	22:38:30	13
183	WB-53	SANTALDIH(WBSETCL)	NP-7942-A	SANTALDIH END OF CHANDIL (JSEB)	23:53:41	00:10:15	17
184	EP-23	SASARAM(PG)	NP-7412-A	400 KV SASARAM(PG)-NABI NAGAR(BSPHCL)-II	09:07:55	09:23:52	16
185	EP-01	SASARAM(PG)	NP-7414-A	400 KV SASARAM (PG) EAST BUS-III	09:10:27	09:20:14	10
186	EP-02	SASARAM(PG)	NP-7468-A	400 KV SASARAM (PG) NORTH BUS-3 BALIA	08:57:39	09:14:08	17
187	BI-25	SIPARA(BSPTCL)	NP-7870-A	220 KV PATNA (PG) LINE-2	23:33:17	23:45:17	12
188	BI-24	SIPARA(BSPTCL)	NP-7872-A	220 KV PATNA (PG) LINE-1	23:31:15	23:46:27	15
189	BI-66	SONNAGAR(BSPTCL)	NP-6013-B	SONNAGAR END OF RIHAND(UPSEB)	22:17:13	22:37:00	20
190	BI-60	SONNAGAR(BSPTCL)	NP-6015-B	132 KV SONENAGAR (BSPHCL)- JAPLA (JSEB)	22:16:13	22:36:50	20
191	EM-19	SUBHASHGRAM(PG)	NP-5847-A	SUBHASGRAM END OF SUBHASGRAM-2 (WB)	09:03:41	09:14:18	11
192	EN-18	SUBHASHGRAM(PG)	NP-7566-A	315 MVA ICT 4 - 220 KV	09:10:10	09:26:31	16
193	EP-72	SUBHASHGRAM(PG)	NP-7935-A	SUBHASGRAM END OF EMBYPASS(WB) LINE-1	09:06:16	09:16:50	10
194	EN-16	SUBHASHGRAM(PG)	NP-7938-A	400 KV HALDIA LINE 1	09:08:36	09:20:14	12
195	EP-58	SUBHASHGRAM(PG)	NP-7939-A	HV SIDE OF SUBHASGRAM ICT-4	09:07:50	09:17:37	10
196	EN-28	SUBHASHGRAM(PG)	NP-7996-A	315 MVA ICT 3 - 220 KV	09:10:57	09:23:04	13
197	EP-68	SUNDERGARH(PG)	NP-7896-A	400 KV RAIGARH(WR) LINE-1	23:38:00	23:50:25	12
198	EP-69	SUNDERGARH(PG)	NP-7898-A	400 KV ROURKELA(PG) LINE-1	23:38:48	23:55:05	17
199	EP-67	SUNDERGARH(PG)	NP-7912-A	400 KV ROURKELA(PG) LINE-2	23:37:12	23:51:05	14
200	EP-66	SUNDERGARH(PG)	NP-7913-A	400 KV RAIGARH(WR) LINE-2	23:36:24	23:49:18	13
201	JS-62	TENUGHAT(JUVNL)	NP-6115-A	TENUGHAT END OF BIHARSARIFF(BIHAR)	22:37:18	22:50:40	13
202	DV-35	TISCO(DVC)	NP-7406-A	400 KV BARIPADA (PG)	21:07:27	21:23:25	16
203	DV-34	TISCO(DVC)	NP-7408-A	400 KV JAMSHEDPUR (PG)	21:08:15	21:23:17	15
204	ST-06	VEDANTA(GRDICO)	NP-6527-A	ST-2	23:36:37	23:58:38	22
205	ST-02	VEDANTA(GRDICO)	NP-6528-A	GT-2	23:34:50	23:59:50	25
206	ST-01	VEDANTA(GRDICO)	NP-6540-A	GT-1	00:34:32	00:59:21	25
207	ST-05	VEDANTA(GRDICO)	NP-6543-A	ST-1	23:35:43	23:57:58	22
208	EM-93	VEDANTA(GRDICO)	NP-6545-A	STERLITE END OF RAIGARH (WR)-2	22:26:23	22:15:13	-11
209	ST-03	VEDANTA(GRDICO)	NP-6555-A	GT-3	23:37:30	00:02:54	25
210	ST-04	VEDANTA(GRDICO)	NP-6556-A	GT-4	23:38:23	23:58:40	20

Date of Commercial Operation(DOCO) of the Asstes

A	Eastern Region Strengthening Scheme-XII.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Annexure-XII
						Sharing of Charges
01	4 nos of 220kV GIS line bays at Kishanganj (GIS) Sub-station	20/10/16	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
02	Modification of 132kV Bus arrangement at 220/132kV Siliguri Substation with GIS bays	30/11/16				
B	Eastern Region Strengthening Scheme-IX	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
		23/10/16				
		30/12/16				
01	1 no of 1x125 MVAR Bus Reactor(1st) and associated bay equipment at 400kV Durgapur S/S		Rs.196.58 Cr.(including IDC of Rs.10.65 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
02	1 no of 1x125 MVAR Bus Reactor(2nd) and associated bay equipment at 400kV Durgapur S/S					
C	Transmission system for transfer of Power from generation projects in Sikkim to NR/WR(Part A)	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
		09/12/16				
01	400kV 125 MVAR Bus Reactor - II with associated bays at Kishanganj (GIS) substation		Rs.250.03 Cr.(including IDC of Rs.19.03 Cr.).	27th SCM meeting of NR on 30.05.09 , 29th SCM of WR on 10.09.09 & SCM of ER on 20.09.10.	15th & 16th ERPC Meeting on 28.09.10 & 18.12.10 respectively	As per New Sharing methodology of PoC
D	Eastern Region Strengthening Scheme-VII	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
		17/10/16				
		27/10/16				
		14/11/16				
E	Transmission system for transfer of Power from generation projects in Sikkim to NR/WR(Part B)	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
		26/11/16				
01	LLO of one ckt of 400kV D/C Testa III-Kishanganj line(LLO-I) at Raingpo and associated bays at Raingpo		Rs.1585.12 Cr.(including IDC of Rs.101.83 Cr.).	27th SCM meeting of NR on 30.05.09 & 29th SCM of WR on 16.09.09.	16th ERPC Meeting on 18.12.10	As per New Sharing methodology of PoC
F	Eastern Region Strengthening Scheme-V	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
		22/11/16				
01	2 nos of 400kV line bays for termination of LLO of 2nd circuit of Jamshedpur-Rourkela 400kV line at Chaibasa Substation		Rs.71.35 Cr.(including IDC of Rs.3.96 Cr.).	SCM meeting of ER on 08.02.12	21st ERPC Meeting at Kolkata on 21.04.14	As per New Sharing methodology of PoC
G	Eastern Region Strengthening Scheme-III	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
		31/07/16				
		31/07/16				
		31/07/16				
		31/07/16				
		31/07/16				
01	LLO of 400kV D/C Barpada-Mendhasal line and associated bays at Pandiabili GIS		Rs.1512.08 Cr.(including IDC of Rs.96.92 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	1 no 500 MVA, 3 phase 400/220kV . Transformer and associated bays at Pandiabili GIS					
03	1 no 80 MVAR , 400kV Bus Reactor and associated bays at Pandiabili GIS					
04	02 nos 63 MVAR , 400kV Switchable Line Reactor both shifted from Mendhasal(as Fixed Line Reactor) with associated bays at Pandiabili GIS					
05	6 nos 220kV line bays at Pandiabili GIS					

पूर्वी क्षेत्रीय विद्युत समिति
Eastern Regional Power Committee
जयपुर सं०/Diary No- 544
नांक/Date 03/10/17
भारत सरकार/Govt of India
14, Golf Club Road
कोलकाता-33, Kolkata-33



सं. 3/8/2016-ओएम

भारतसरकार

Government of India

विद्युत् मंत्रालय

Ministry of Power

श्रमशक्तिभवन, रफीमार्ग, नयीदिल्ली-110 001

Shram Shakti Bhawan, Rafi Marg, New Delhi-110 001

Dated: 17th October, 2016

To

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

Subject: Allocation from ISGS towards Auxiliary power for O&M of HVDC Alipurduar Stations of POWERGRID in Eastern Region-reg.

Sir,

In continuation to this office letter of even no. dated 16.09.2016 on the subject mentioned above it has been decided to allocate 2.5 MW (out of 9.96 MW surrendered share of Sikkim in Barh STPS) power from the date of CoD (Commercial date of operation). The other conditions of the above mentioned letter remains unchanged.

Yours faithfully,

(D. Guha)

Under Secretary to the Govt. of India

Telefax: 23719229

Email: opmonitor-power@nic.in

Copy to:

1. Chief Engineer (Grid Management), CEA, New Delhi.
2. Member Secretary, ERPC, 14, Golf Club Road, Tollygunje Kolkata-700033
3. Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapalang, Shillong (Meghalaya)-793006

कार्यपालक अभियंता
Executive Engineer
पूर्वी क्षेत्रीय विद्युत समिति
Eastern Regional Power Committee
कोलकाता-33
Kolkata-33



BY SPEED POST

No. APDCL/ CGM (COM)/ ACC-0/ PT-9/ 2007/ 9

Dated 07.10.2016.

To,

The Chief Engineer (Commercial),
Bihar State Electricity Board, (Holding Company)
Vidyut Bhawan, Baily Road, Patna-800021.

Sub : Outstanding Dues Payable by BSEB on account of drawl of NER Power during July' 1993 to April' 1994.

Ref : This Office Earlier Letter No. ACE (COM)/ACC-0/PT-8/2003/133 dated 09.08.2012.

Sir,

I am to intimate you that under the period of bilateral transaction of power, between erstwhile ASEB (now APDCL) and erstwhile EREB (now ERPC) for above mentioned period, BSEB drew power from ASEB from time to time. Billing was accordingly done by then ASEB on the basis of monthly Regional Energy Accounting prepared by then EREB. Accordingly payments were being made by BSEB at initial period. But during later stage BSEB had failed in timely payment and thus there remains an outstanding arrear unpaid. The details thereof with accumulated surcharge are shown below:

Principal outstanding	₹ 1,08,00,603.00
Surcharge as on 31.08.2016	₹ 5,66,93,230.00
TOTAL	₹ 6,74,93,833.00

Details of calculations are furnished as **Annexure A**. It may kindly be noted that the above outstanding is of pre-reforms period and long pending. We are sending our reminders from time to time but there is no response from your side. The power which BSEB had consumed, was from the ASEB's share out of its allocations from central sector generating agencies of NER and as such it created liabilities for ASEB. You would also appreciate that being APDCL a successor agency, the burden has come to APDCL as a pass through items.

Under the circumstances you are once again requested kindly to liquidate the bill amount within the due date of payment without any further delay.

Your early response is awaited.

Yours faithfully,

Chief General Manager (Commercial)
APDCL, Bijulee Bhawan, Guwahati-1.

Memo No. APDCL/ CGM (COM)/ACC-0/PT-9/ 2007/ 9 (A)

Dated 07.10.2016.

Copy for information and necessary action to:

1. The Chairman, Bihar State Electricity Board, Vidyut Bhavan, Baily Road, Patna-800021.-
He is requested kindly to look into the matter and take necessary steps to liquidate the outstanding amount.
2. The Member Secretary, Eastern Regional Power Committee, 14, Golf Club Road, Tollygunge, Kolkata-700033.
3. The Chief General Manager (F&A), APDCL.


Chief General Manager (Commercial)
APDCL, Bijulee Bhawan, Guwahati-1.



Assam Power Distribution Company Limited
Bijulee Bhawan ::: Paltanbazar ::: Guwahati-781001

Annexure -A

Fax no. 0361 - 2739501
E-mail-
acecomt.aseb@rediffmail.com

INVOICE

To

The Chief Engineer (Commercial)
Bihar State Electricity Board,
Vidyut Bhawan, Baily Road,
Patna-800021.

Bill No. ACE (COM)/ACC-0/BSEB/BILL-21 Dated 07.10.2016.

1.Amount of Principal Outstanding	= Rs.1,08,00,603.00.
2. Rate of Late Payment Surcharge	= 2 % per month.
3. Surcharge already claimed up to March' 2012	= Rs. 4,52,38,081.00.
4. Period of Surcharge from April'2012 to August' 2016	= 1613 Days.
5. Surcharge for 1613 days up to August' 2016	=Rs.1,14,55,149.00.
6. Total Surcharge up to 31ST August' 2016	= Rs. 5,66,93,230.00.
7. Total Outstanding with Principal up to March'10	= Rs. 6,74,93,833.00.

(Rupees Six Crore seventy four Lakh Ninety three Thousand
Eight Hundred and Thirty Three only)

Due Date of Payment : 06.11.2016.


**Chief General Manager (Commercial),
APDCL, Bijulee Bhawan, Paltanbazar,
Guwahati-1.**

PTC/MTFG/ERLDC/ 11428

17th October 2016

To,
Member Secretary,
ERPC, 14 Golf Club, Road,
Kolkata – 700 033
(Fax No. 033 – 24221802).
E-mail: mserpc-power@nic.in

Subject: Billing on account of Re-import of Kurichhu Energy by Royal Govt. of Bhutan through Assam Grid for the period from December 2014 onwards - APDCL letter regarding.

Dear Sir,

PTC is in receipt of letter from Assam Power Distribution Company Limited (APDCL) vide letter no. APDCL/CGM (Com)/ CERC-RGoB/2015 /13 dated 23rd September 2016 regarding the said subject wherein APDCL has requested to arrange a joint meeting of all the concerned stakeholders to find out an amicable billing methodology so that APDCL does not suffer any financial loss for supply of power to Bhutan from December 2014 onwards. The copy of the same has been marked to you also.

We request you to kindly arrange for a joint meeting as requested by APDCL.

Thanking you,

Yours faithfully,



Harish Saran
Executive Director (Marketing)

CC:

Chief General Manager (Commercial)
Assam Power Distribution Company Limited,
5th Floor, Bijulee Bhawan, Paltan Bazar,
Guwahati, Assam – 781 001
Fax: 0361 – 2739543

PTC India Limited

(Formerly known as Power Trading Corporation of India Limited)

CIN : L40105DL1999PLC099328

2nd Floor, NBCC Tower, 15 Bhikaji Cama Place New Delhi - 110 066 Tel: 011-41659138, Fax: 011-41659142

E-mail: harishsaran@ptcindia.com Website: www.ptcindia.com



No. APDCL/ CGM (COM)/ CERC-RGOB/ 2015/ 13

dated 23.09.2016.

To,

1. The Member Secretary,
Eastern Regional Power Committee,
14, Golf Club Road, Tollygunge, Kolkata-700033.
2. Executive Director (Marketing),
PTC India Limited, 2ND Floor, NBCC Tower,
Bhikaji Cama Place, New Delhi - 110066.

Sub : Billing on account of Re-import of Kurichhu Energy by Royal Govt. of Bhutan through Assam Grid for the period from December' 2014 onwards.

Ref: Letter No. APDCL/ CGM (COM)/ CERC-RGOB/ 2015/ 11 Dated 01.07.2016.

Sir,

On the basis of the CERC order dated 13.06.2016 in APDCL Petition No. 150 MP/ 2015, APDCL has submitted the Energy Bill of ₹ 2,13,84,866.00 on account of re-import of Kurichhu energy by Bhutan for the period from April' 2003 to November' 2014 for favour of necessary payment from your end. However, though the bill enclosed in our Petition was up to November' 2014, but APDCL has been continuing supply of energy to Bhutan on the basis of existing PPA signed with PTC in the interest of all concerned. But the CERC order is silent in the methodology of billing for subsequent period from December' 2014 onwards. Meanwhile, the DSM rate also comes down drastically with the improvement of average frequency within the range 50 Hz; as a result there is little chance of recovery of cost of energy.

Being ERPC is the accounting authority and nodal agency, this issue for the earlier period from April' 2003 to November' 2014 is settled under your guidance and with the active participation of all stakeholders like NERPC, NERLDC, ERLDC, PTCL etc.

Likewise, you are again requested kindly to arrange another joint meeting of all concerned stakeholders in this case to find out an amicable billing methodology that APDCL does not suffer any financial loss in this regard.

Yours faithfully

Chief General Manager (Commercial)