

EASTERN REGIONAL POWER COMMITTEE

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No-ERPC/COM-I/GEN/2016/434

dated-27.06.2016

FAX Msg No:

To: As per List

Subject: Minutes of 32nd Commercial Sub Committee Meeting of ERPC-Reg

Sir,
Minutes of the 32nd Commercial Sub Committee Meeting of ERPC held on 10.06.2016 have been issued with the approval of Member Secretary and available for download at www.erpc.gov.in.

Encl-as above

Yours faithfully,

Sd/-

(Subhro Paul)

Executive Engineer (Comml)



MINUTES OF THE 32nd COMMERCIAL SUB COMMITTEE MEETING OF ERPC

DATE: 10.06.2016

TIME: 1100 HRS

VENUE: ERPC CONFERENCE HALL, KOLKATA

EASTERN REGIONAL POWER COMMITTEE

14 GOLF CLUB ROAD, TOLLYGUNGE, KOLKATA-700 033

Phone: 033-24235199/24235040 # Fax: 033-24171358/24221802 # Web: www.erpc.gov.in

AGENDA FOR THE 32nd COMMERCIAL SUB-COMMITTEE MEETING OF ERPC SCHEDULED TO BE HELD ON 10.06.2016 (TUESDAY) AT 1100 HRS. AT ERPC, KOLKATA

ITEM NO. 1 Confirmation of the minutes of the 31st Commercial Sub-Committee meeting held on 08.02.2016

The minutes of the 31st Commercial Committee meeting were intimated vide ERPC letter No. ERPC/COM-I/GEN/2014/H4154-H4194 dated 16.02.2016

No request for amendment has been received by ERPC Secretariat.

Members may confirm the minutes of the 31st Commercial Sub Committee Meeting.

Deliberation in the Commercial Sub Committee Meeting

Members confirmed the minutes of the 31st Commercial Sub Committee Meeting.

PART A: FOLLOW UP ITEMS / REGULAR ITEMS

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

a) Payment of Deviation Charges -- present status

As informed by ERLDC, the status of Deviation Charge payment as on 31.05.2016 is enclosed at **Annexure – I**. The current principal outstanding Deviation Charge of JUVNL & BSPHCL is **Rs. 59.99 Cr & Rs. 15.49 Cr** respectively considering bill up to 08.05.2016. Moreover, an interest amount of **Rs. 166.28861 Lac** (as on 31.05.2016) is also payable by JUVNL due to delay payment of DSM charges. JUVNL has not paid the Deviation charges since 18.06.2015. ERLDC has also given letter 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*. After several request and reminders from ERLDC, JUVNL has not paid the outstanding dues.

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

Deliberation in the Commercial Sub Committee Meeting

ERLDC informed that BSPHCL had cleared all the dues. JUVNL member was not present. On query, ERLDC elaborated that section 25A of the Open access regulations have the following provisions:

Quote:

25A. When so directed by the Commission, the National Load Despatch Centre or the Regional Load Despatch Centre, as the case may be, shall not grant short-term open access to the entities and associates of such entities, who consistently and willfully default in payment of Unscheduled Interchange charges, transmission charges, reactive energy charges, congestion charges and fee and charges for National Load Despatch Centre or Regional Load Despatch Centre including the charges for the Unified Load Despatch and Communication Scheme.

Unquote

MS, ERPC informed that 25th ERPC/TCC had already directed ERLDC not to entertain any STOA transaction if any of the provisions of the CERC (Short Term Open Access and related matters) Regulations, 2008 is violated.

So in view of ERPC direction ERLDC may file petition before CERC for invoking section 25A.

b) Reactive Energy Charges – present status.

As provided by ERLDC, the updated position of Receipt/Payment of Reactive Energy Charges in the pool as on 31.05.2016 (considering bill up to 08.05.2016) is indicated in **Annexure – II**. The total outstanding receivable on account of Reactive charges from WBSETCL/WBSEDCL is **Rs. 8.84 Cr.** Due to non-payment by WBSETCL/WBSEDCL, ERLDC have started getting reminders from other recipient constituents regarding liquidation of outstanding from ER Reactive pool.

WBSETCL/WBSEDCL may confirm the program for payment of outstanding dues.

Deliberation in the Commercial Sub Committee Meeting

WBSEDCL representative informed payment was not being made due to absence of a sharing mechanism of the Reactive charges among intra state utilities of West Bengal which was under the consideration of WBSERC. WBSEDCL also informed that they have already written letters to WBSLDC for apportionment of reactive charges, however, no reply has been received from them.

MS, ERPC stated that restricting payment to the regional pool due to non coordination among the intra state utilities is not a proper way to handle the issue and all the intra state entities in West Bengal should resolve within themselves at the earliest. In the meanwhile he requested WBSEDCL to continue making payments to the Regional Pool.

As CESC and WBSLDC representative were not present, their views could not be sought.

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 31.05.2016 (considering bill up to 08.05.2016) is indicated in **Annexure – III**

This is for information to the members.

Deliberation in the Commercial Sub Committee Meeting

RLDC briefed about the operation of RRAS mechanism.

NTPC requested constituents to share their bank account details so that payment may be credited at the earliest. NTPC also informed that many of the constituents desired for adjustment from bills rather than receiving payment.

Commercial Committee felt that in case some constituents were agreeable to adjustment against bills NTPC may adopt this procedure with mutual consent.

NTPC informed that they have already put across their concerns to NLDC.

d) Congestion Account - Present Status

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

Members may please note.

Deliberation in the Commercial Sub Committee Meeting

Members noted.

e) Status of PSDF

As informed by ERLDC, an amount of **Rs. 2.50 Cr** from Reactive account & **Rs. 33.64 Cr** from Deviation Pool account have been transferred to PSDF after 31st Commercial sub-committee meeting held on 05.02.16. With this the total amount of **Rs. 883.39 Cr.** has been transferred to PSDF so far. The break up details of fund transferred to PSDF (till 31.05.16) is enclosed in **Annexure V.**

This is for information to the members.

Deliberation in the Commercial Sub Committee Meeting

Members noted.

ITEM NO. 3 Reconciliation of Commercial Accounts

i) Reconciliation of Deviation Accounts.

ERLDC have informed that at the end of 4th quarter of 2015-16, the reconciliation statement (Period: 01.01.16 to 31.03.16) has been issued by ERLDC on 05.04.16 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website (www.erldc.org) on 05.04.2016. The constituents were requested to verify /check the same & comments if any on the same were to be reported to ERLDC by 20.04.2016. The status of reconciliation is enclosed in **Annexure-VI.**

BSPHCL, JUVNL, SIKKIM, APNRL & Ind Barath have not signed reconciliation statement for 4th Qtr of 2015-16. Further BSPHCL, JUVNL, SIKKIM & Ind Barath have not signed reconciliation statement for more than last 4 quarters.

If the confirmation is not received within 2 weeks from the date of issuance of the letters the statements issued by ERLDC have been deemed to be reconciled.

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

Deliberation in the Commercial Sub Committee Meeting

BSPHCL informed that they have brought the reconciliation statements. ERLDC informed that they have received the reconciliation statement from APNRL.

Remaining constituents were requested to submit the reconciliation statements at the earliest.

ii) Reconciliation of Reactive Account

ERLDC have updated that at the end of 4th quarter of 2015-16, the reconciliation statement (Period: 01.01.16 to 31.03.16) has also been issued by ERLDC on 05.04.16 and statements had been sent to the respective constituents. The constituents were requested to verify /check the same & comments if any on the same to be reported to ERLDC by 20.04.2016.

WBSETCL & GRIDCO have not reconciled the Reactive account. If the confirmation is not received within 2 weeks from the date of issuance of the letters the statements issued by ERLDC have been deemed to be reconciled.

Constituents are once again requested to get the statements reconciled.

Deliberation in the Commercial Sub Committee Meeting

ERLDC informed that GRIDCO had submitted the reconciliation statement. WBSETCL representative was not present.

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

ERLDC has recovered an amount **Rs. 20.40062 Lacs** from M/s APNRL and **Rs. 165.72820 Lac** from BSPHCL towards interest due to delayed payment of deviation charges in FY 2015-16. Above Interest amount is disbursed amongst recipient constituents as mentioned in **Annexure-VII** and the balance amount of **Rs. 59.34044 Lac** is transferred to PSDF Account.

With this, interest amount receivable by constituents of ER for FY 2015-16 due to delayed payment of Deviation Charges is fully settled.

This is for information to the members.

Deliberation in the Commercial Sub Committee Meeting

Members noted.

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

ERLDC have informed that the reconciliation statements of STOA payments for the period Apr'15 to Apr'16 have been send to the DVC, OPTCL and WBSETCL for checking at their end and confirmation.

WBSETCL is yet to confirm for the period of Oct'15 to Apr'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.

WBSETCL is once again requested to get the statements reconciled.

Deliberation in the Commercial Sub Committee Meeting

WBSETCL/WBSEDCL informed that they would arrange to get reconciled at the earliest.

v) Reconciliation for payments received from STOA applicants:

ERLDC have intimated that the payment receipt statements of STOA for the period of Apr'15-Mar'16 have been send to the BSEB, JSEB, JITPL, DVC, GMRKEL for checking at their end and confirmation.

Confirmation has been received from all concerned.

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

Deliberation in the Commercial Sub Committee Meeting

Members noted.

ITEM NO. 4 State Transmission Utility Charges and Losses applicable for STOA for FY 2015-16

As available with ERLDC the STU charges and losses to be considered for STOA for FY 2015-16 is as follows:

Name of STU	Intra-State Transmission Charges	TRANSMISSION LOSS (For Embedded entities)
WBSETCL	*	3.10%
DVC	Rs. 80.0 / MWh	4.30%
OPTCL	Rs. 62.5 / MWh	3.75%
JSEB	*	#
BSEB	*	#
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 update

Deliberation in the Commercial Sub Committee Meeting

DVC informed that their rate for losses had changed for 2016-17 and the same would be intimated to ERLDC shortly.

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. The format is again reproduced below:

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

Deliberation in the Commercial Sub Committee Meeting

ERLDC stated that unless information along with payment is given to them it becomes very difficult to identify the payments. Therefore they requested constituents to forward the information in the format given for proper and quick identification of payments.

Constituents agreed to furnish the information as desired by ERLDC.

ITEM NO.6 Opening of LC by ER constituents for Deviation Charges Payments

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

Quote

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

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

Unquote

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

JUVNL, GATI, Vedanta Ltd and Ind Barath may please intimate the latest status.

Deliberation in the Commercial Sub Committee Meeting

As concerned utilities were not present, it was decided to bring the issue to the notice of TCC/ERPC.

ITEM NO.7 Updation of CT/PT Ratio

The meter details along with the CT/PT ratio has been uploaded at ERLDC website (www.erldc.org). Constituents are requested to verify their respective CT/PT ratio and point out to ERLDC/ERPC in case of any discrepancy.

Members may please note.

Deliberation in the Commercial Sub Committee Meeting

ERLDC informed that no request for updation of CT/PT ratio has been received from any constituent. Members noted.

ITEM NO.8 Meter readings related issues

A. Erroneous Data/meter reading

i. Patratu(DVC)

SEM data received from Patratu(DVC) of 132 KV Patratu(DVC) – Patratu (JUVNL) line showing erroneous(around 50% recording Less as compared to JUVNL end) since charging of the line on 16.05.16. Accounting of DVC is being done by Standby meter at JUVNL end.

Powergrid and DVC are requested to rectify the problem immediately.

Deliberation in the Commercial Sub Committee Meeting

PGCIL informed that the line was under shutdown since a long time. DVC assured to check the CT/PT and inform the same to PGCIL and ERLDC before the ensuing TCC meeting.

ii. Joda(OPTCL)

SEM data received from Joda(OPTCL) end of 220 KV Joda(OPTCL) – Ramchandarpur(JUVNL) line is showing erroneous(15-20% Less recording as compared to Ramchandarpur end) since 14.01.16. Matter was intimated to official of Joda OPTCL. In 119th OCC, OPTCL informed that SEM at Joda end needs to be checked and corrected. OPTCL informed that there is no line CT, so 2 nos SEM for the bus-coupler at Joda end is required. In 121st OCC, ERLDC suggested to place one meter at B/C and to check healthiness of existing SEM at Joda end of Ramchandarpur Line. Till now meter has neither been placed on B/C nor got existing meter rectified.

PGCIL and OPTCL may please respond.

Deliberation in the Commercial Sub Committee Meeting

PGCIL informed that they are having shortage of SEMs at present. However, some SEMs have been arranged and the metering at B/C of Joda would be completed before the ensuing TCC meeting.

iii Kendiposi at JUSNL

SEM is installed at both end of 132 KV Kendiposi(JUSNL)-Joda (OPTCL) Line. As per the SEM data received from 132 KV Kendiposi(JUSNL), readings of meter (Serial No. NP-6117-A) installed at Kendiposi end of 132 KV Kendiposi-Joda Line is not recording any flow compared to Joda end since long. It was gathered from Kendiposi that line is feeding load to Naumundi (JUSNL) regularly through Transfer Bus of Kendiposi by passing the SEM at Kendiposi.

Further Power from Joda is occasionally received at Main Bus of Kendiposi. In that case Meter installed at Kendiposi end of Joda Line records the energy flow through the line. In absence of non-recording of data by SEM installed at Kendiposi end of the aforesaid Tie line, data validation and energy accounting is being affected. Presently energy accounting is being done considering Joda OPTCL end meter.

Bypassing of SEM installed at Tie line is violation of CEA metering regulation 2006 and the same is needed to be restored. One meter at Transfer Bus is required to be installed to record energy flow through the line.

JUSNL may opine

Deliberation in the Commercial Sub Committee Meeting

JUSNL representative was not present therefore no discussions could be held on the bypassing of SEM.

Regarding requirement of meter at transfer bus, ERLDC informed that as gathered by them, CT is available on the transfer bus. PGCIL was requested to install meter on the transfer bus at Kendiposi. PGCIL agreed.

iv Reverse polarity of SEM installed at Joda in OPTCL

SEM is installed at both end of 132 KV Joda-Kendiposi Line. It was observed that Joda end meter is showing reverse polarity. The matter was also reported to OPTCL official. However as per the SEM data received from Joda, the polarity of the Joda end meter is still reversed and the problem persists.

OPTCL is requested to intimate the latest status.

Deliberation in the Commercial Sub Committee Meeting

OPTCL informed that they have got the CT polarity checked and the same is found correct and there may be problem in SEM polarity.

PGCIL and ERLDC clarified that meter terminals do not have any specific polarity requirement and the issue may have arisen due to treatment of star point.

PGCIL was requested that during their visit to Joda S/s for replacement of meter, they should also check and give their inputs on the reverse polarity issue. PGCIL agreed.

B. Non Receipt of SEM data from Various Locations

i. 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. It was decided to place 02 nos of SEM at Forbesganj. In 31st CCM, BSPHCL representative informed that meter has been placed at Farbesgunj on 03.02.2016. In 121st OCC PGCIL informed that DCD for downloading the data has been handed over to BSPHCL. However ERLDC has not received the SEM data till now.

BSPHCL is may please respond.

Deliberation in the Commercial Sub Committee Meeting

BSPHCL informed that the matter was due to upgradation of operating system and software compatibility issues. However, it was assured that the matter would be resolved at the earliest.

ii. Santaldih in WBSETCL

SEM from Santaldih for 220 KV Santaldih(WB)-Chandil (JUVNL) Line is not reporting either in DCU of AMR system or communicating through DCD since 28.01.16. In 121st OCC, Powergrid informed that the defective meter will be replaced at earliest. ERLDC has not received the replacement details of meter.

Powergrid and WBSETCL may please respond.

Deliberation in the Commercial Sub Committee Meeting

PGCIL informed that they could not replace the meter due to shortage of meters with them. However, some meters are now available and the issue would be resolved before the ensuing TCC meetings

ITEM NO.9 Installation of SEM at Haldia.

SEM is placed only at Subhashgram(PG) end of 400 KV Haldia(CESC)-Subhashgram(PG) D/C. No standby SEM has been placed at Haldia end till now. In absence of Subhashgram end data; there is no back up meter available for accounting of the power flow through that Tie line.

In 32nd TCC/ERPC, CESC informed that they have already processed and requisite SEM meter will be positively installed by May'2016. Unfortunately, till now issue is not resolved and ERLDC has neither received the details of SEM nor received weekly SEM data.

WBSETCL may please respond.

Deliberation in the Commercial Sub Committee Meeting

Commercial Sub Committee members expressed concern over non resolution of the issue by CESC even after decision in the highest forums. It was decided to again refer the issue to TCC for update.

ITEM NO. 10 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 25 new locations required to be added under AMR project as 3rd phase of implementation.

Inclusion of new locations and total cost involvement(including 5 years of AMC) for AMR 3rd phase were last discussed in 31st TCC/ERPC OCC meeting held on 13.11.15/14.11.15 wherein TCC/ERPC approved the cost of approximately Rs. 1.29 Cr \pm 10%. Further ERLDC also furnished the list of meters already included in AMR and having problems in data sending(to be considered in AMC) along with Meters in new locations to be provided AMR and new meters to be provided AMR in existing locations due to addition of new lines. List of new locations with SEMs and Future locations to be incorporated are enclosed in **Annexure-X**

POWERGRID may further update the latest status of implementation.

Deliberation in the Commercial Sub Committee Meeting

ERLDC informed that they have already sent a list of meters for AMR to PGCIL. PGCIL informed that although the order to the vendor was placed for 16 locations, now the required number of locations had increased to 25 and negotiations were going on with the vendor for costs. The same would be placed for approval when received. MS informed that new meters may be needed to be integrated for Kanti Bidyut Utpadan Nigam Station of NTPC and requested ERLDC and PGCIL to consider them also.

ITEM NO.11 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 is enclosed in **Annexure-XI**

In the 31st CCM, Powergrid informed that for new meters to be procured, technical feasibility of bulk time correction facility have been kept. For existing meters however, no bulk time correction was technically feasible. Constituents will have to make one minute adjustments per week to reduce the time drift and furnish the monthly status of time correction activities.

Angul & Rengali from PGCIL, APNRL, JLHEP, GMR, Chuzachen, Talcher NTPC, Sagardighi WBSEDCL and Miramundali(OPTCL) has done the necessary Time correction. Others are also requested to do the necessary Time Correction.

Members may please discuss.

Deliberation in the Commercial Sub Committee Meeting

JITPL representative requested PGCIL to once demonstrate the time correction feature at their substation. PGCIL agreed.

ERLDC informed the list at Annexure was a latest one.

It was observed that significant proportion of time drifted meters belonged to PGCIL jurisdiction. PGCIL was advised to take necessary action to get the time corrected on a regular basis.

ITEM NO.12 Non-submission of weekly SEM readings by Tuesday noon

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. However general trend of receipt of readings is as below:

By Wednesday or later: APNRL, Gaya, Kishanganj Rangpo, Kahalgaon NTPC,

APNRL, PGCIL & Kahalgaon NTPC are once again requested to please adhere to the schedule.

Deliberation in the Commercial Sub Committee Meeting

ERLDC informed that nearly 90% of data were received for AMR implemented meters.

For Gaya, PGCIL informed that there were some AMR related issues which would be settled by next week. Kishanganj and Rangpo were yet to be incorporated in AMR scheme. Data for APNRL is coming in time.

In Kahalgaon NTPC there is problem in AMR data from two meters and therefore, manual data for the station is being collected. PGCIL requested ERLDC to share the serial no of the meters for further action at their end.

ITEM NO.13 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. In 32nd TCC/ERPC, Powergrid intimated that order had been placed on 15.03.2016.

Powergrid may further update the status of procurement.

Deliberation in the Commercial Sub Committee Meeting

PGCIL informed the meters are expected to be delivered @ 25% every 4 month period. It was also informed that the award had been given to M/s Janus Power. PGCIL clarified that these meters have bulk time correction facility.

ITEM NO.15 Nomination of Nodal Officers by Regional Entities—ERLDC Agenda

In the last CCM, all Regional entities were requested to intimate the contact details (like Name, designation, Mailing address, Landline No, Fax No, Email Id, Mobile No etc) 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.

ERLDC 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 Teesta, NTPC ER-I(HQ), Talcher NTPC and GRIDCO have been received by ERLDC.

ERLDC may please update

Deliberation in the Commercial Sub Committee Meeting

DVC provided the details of the nodal person. NHPC informed that they have already submitted the name of the nodal person for Rangit.

All constituents were requested to submit the name of nodal person at the earliest.

PGCIL requested ERLDC to share the list of nodal persons for taking up meter/AMR related issues. ERLDC agreed.

ITEM NO.16 Non-release of payment towards service charges for maintenance of EMS/SCADA system

LTSA (Long term Service Agreement) contract for EMS/SCADA system installed at all control center has been awarded to M/s Alstom T&D Ltd. on 15th January 2010. Status of due payment to be received from JUSNL (erstwhile JSEB), DVC and BSPTCL are as follows:

Outstanding against EMS SCADA AMC as on 31.05.2016

Constituents	Total Outstanding (in Rs.)	Due date	For the quarter of
JUSNL	1459432	3 rd February 2016	4th Feb 16 – 3rd May 16
DVC	NIL	NIL	NIL
BSPTCL	NIL	NIL	NIL

JUSNL may please liquidate the outstanding.

Deliberation in the Commercial Sub Committee Meeting

JUSNL representative was not present. It was therefore decided to bring this to the notice of TCC member from Jharkhand.

PART B: NEW ITEMS

ITEM NO.17 Agenda items submitted by NHPC

1) Non-opening of LC of requisite value :-

- (i) **NBPDCL** has to provide LC of **Rs. 6.65 Crs.** Similarly, **SBPDCL** has to provide Letter of Credit of **Rs. 8.44 Crs.** But NBPDCL has provided LC of **Rs. 2.10 Crs** and SBPDCL **Rs. 2.90 Crs** which are far short of requisite values.

NBPDCL & SBPDCL may give their plan for liquidation of dues.

Deliberation in the Commercial Sub Committee Meeting

NHPC informed that they are receiving regular payments from SBPDCL/NBPDCL.

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

i) NBPDCL

An amount of **Rs. 1.96 Crs** is outstanding for more than 60 days including surcharge of **Rs. 0.16 Crs.**

ii) SBPDCL

An amount of **Rs. 12.23 Crs** is outstanding for more than 60 days including surcharge of **Rs. 0.23 Crs**

NBPDCL & SBPDCL may give their plan for liquidation of outstandings.

Deliberation in the Commercial Sub Committee Meeting

Representative from SBPDCL/NBPDCL informed that they would liquidate the outstanding at the earliest

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

NHPC is regularly following-up with Sikkim, JUVNL, GRIDCO, NBPDCL, SBPDCL & DVC to extend the BPSA up to 35 years from COD of last unit or balance normative life of Rangit & Teesta-V Power Stations, whichever is later on existing terms and conditions . NHPC has not received the consent of either of the beneficiary till date.

Beneficiaries may give their plan.

Deliberation in the Commercial Sub Committee Meeting

Representative from JUSNL was not present. NBPDC/ SBPDC, GRIDCO, Sikkim and DVC informed that the issue is under process at their end and the issue will be resolved at the earliest

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

Signing of Power Purchase Agreement is pending with GRIDCO, SBPDC & NBPDC inspite of regular follow up with these discoms. As per the request of many beneficiaries for withdrawal of 'Payment security clause' in the form of 'Default Escrow Arrangement', NHPC replaced this from draft PPA by adopting L.C. as a payment security mechanism.

GRIDCO, NBPDC & SBPDC may now give their plan for signing the pending Power purchase agreement at the earliest.

Deliberation in the Commercial Sub Committee Meeting

NBPDC/SBPDC informed that the issue would be resolved shortly. GRIDCO representative informed that the matter was under consideration of management and would take some more time.

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

Signing of Power Purchase Agreement is pending with GRIDCO, SBPDC, NBPDC, WBSEDCL, Sikkim and JUVNL in spite of regular follow up with these discoms. As per the request of some of the discoms for withdrawal of 'Payment security Mechanism' in the form of 'Default Escrow Arrangement', NHPC has withdrawn this clause from draft PPA in respect of future projects also.

All the beneficiaries may sign the PPA at the earliest.

Deliberation in the Commercial Sub Committee Meeting

Representative of GRIDCO, SBPDC/NBPDC, WBSEDCL and Sikkim informed that the issue was under consideration and an outcome is likely soon.

6) Deviation Charges (Issue with ERLDC).

At the time of issue of revision of deviation charges the whole amount pertaining to the concerned week are shown and the date of revision is considered as date of issue of deviation statement. As a result, original date of deviation statement get overlooked which result in difference in calculation of interest. It is suggested that only the differential amount i.e. difference of amount of original deviation charges and revised deviation charges may be shown in the revision statement so that interest of deviation charges may be calculated accordingly. NHPC has recorded this point on reconciliation statement for a number of times but appropriate action is still awaited.

ERLDC may opine.

Deliberation in the Commercial Sub Committee Meeting

It was clarified from ERLDC and ERPC Secretariat that NHPC would not be commercially affected due the process being followed for revision of Deviation Accounts.

7) Combining of deviation charges statement (Issue with WBSLDC).

After commissioning of two units of TLDP – IV, Receivable & Payable amounts of deviation charges of TLDP-III & TLDP-IV are being shown separately in the accounting of deviation charges statement by WBSLDC. It has been observed that overall amount for both power stations is receivable but for individual power station it is payable. In that case, in spite of overall net amount receivable we have to pay for payable amount of individual power station. In this regard, it is requested that net payable & receivable amount may also be shown in the summery sheet of deviation charges so that payment can be released on the basis of that statement.

WBSETCL/WBSLDC may opine.

Deliberation in the Commercial Sub Committee Meeting

This agenda could not be taken up due to non participation of WBSETCL/SLDC. However, NHPC was requested to speak to WBSLDC for resolution of the issue.

ITEM NO.18 Farakka Water Shortage: Certification of Availability for Force Majeure event- Agenda submitted by NTPC

As per India-Bangladesh water treaty, 1996, water of the Ganga River flowing from India to Bangladesh is to be shared between the two countries. Due to sharing of water with Bangladesh, it was being observed that during certain periods in summer season, the water level in the feeder canal feeding water to Farakka Super Thermal Station of NTPC, is going down to very low level. This was creating shortages of cooling water at Farakka STPS. Taking note of receding water level in the Farakka feeder canal, NTPC envisaged installing lift pumps in Farakka Feeder Canal for pumping water to Farakka during low water level. However, subsequently, the lift pump could not be installed due to technical limitations.

During Feb- March 2016, the water level in Farakka has gone to such a low level that there was no water available for meeting the cooling water requirement. Farakka-1&2 (1600MW) have been designed with open cycle cooling water and no cooling tower is available. Farakka-3 (500MW) has been designed with cooling tower. During the period of Feb-March 2016, even the makeup cooling water was not available leading to shut down of complete Farakka STPS (2100MW) as per details below.

Unit. No.	Date(s) & Time of Shut Down	Date & Time of Revival	Duration of Shut Down (hrs)	Remarks
1.	22-Feb-16 02:06	24-Feb-16 17:33	63.450	Taken out due to poor CW level

1.	26.02.2016, 16:36	22-Mar-16, 04:45	588.150	Taken out due to poor CW level
2.	11.03.2016, 17:17	22-Mar-16 16:24	263.117	Taken out due to poor CW level
3.	11.03.2016, 18:49	22-Mar-16 05:00	250.183	Taken out due to poor CW level
4.	11.03.2016, 23:26	23-Mar-16 05:33	270.117	Tripped due poor CW level
5.	11.03.2016, 19:14	22-Mar-16 18:10	262.933	Tripped due poor CW level
6.	12.03.2016, 12:00	22-Mar-16 02:08	230.133	Taken out due to non availability of CW makeup

Further, the power purchase agreements signed with various beneficiaries provides for Force Majeure event. The stoppage of the units and generation at the Farakka Station is on account of reasons beyond the reasonable control of NTPC and is in the nature of Force Majeure. This has been communicated to all the beneficiaries vide letter dated 18.03.2016.

In view of this, it is proposed that while calculating the availability of Farakka station, Force Majeure period as indicated in the table above may be excluded and the Farakka Availability may be revised as under.

S.N.	Station	Availability now (2015-16)	Revised Availability after excluding the period of Force Majeure event
1	Farakka-1&2	81.29%	84.31%
2	Farakka-3	81.64%	83.84%

NTPC may elaborate. Members may discuss.

Deliberation in the Commercial Sub Committee Meeting

NTPC explained that the Farakka was commissioned in the year 1986. Subsequently in the year 1996, India-Bangladesh water treaty, for sharing the water of the Ganga river flowing from India to Bangladesh was signed between the two countries. Of late, it was being observed that during summer season, the water level in the feeder canal feeding water to Farakka Super Thermal Station of NTPC, is going down to very low level. This was creating shortages of cooling water at Farakka STPS.

Taking note of receding water level in the Farakka feeder canal, NTPC took initiative of installing lift water pump in Farakka feeder canal for pumping water to Farakka during low water level accordingly a petition was filed before CERC in 2006. However, due to erosion of banks due to construction of lift pumps the barrage authority had stalled the installation of lift pumps.

It was informed that during Feb- March 2016, the water level in Farakka has gone to such a low level that no water available for cooling water requirement. Farakka-1&2 (1600MW) have been designed with open cycle cooling water and no cooling tower is available. Farakka-3 (500MW) has been designed with cooling tower. During the period of Feb-March 2016, even the make up cooling water was not available leading to shut down of complete Farakka STPS (2100MW).

NTPC requested constituents to consider the issue as a force majeure as shortage of flow in the river Ganges and sharing of water treaty were beyond the control of the Farakka STPS. NTPC also requested to accept average availability of year 2015-16 for the period of outage as circulated with the agenda.

GRIDCO, WBSEDCL and DVC expressed their reservation for considering the outage of FSTPS under force majeure. They expressed concern that this same issue may occur in future frequently and consideration of force majeure and accepting a deemed available status for such period will result in their payment of capacity charges for the period when there was no generation.

Member secretary requested the constituents that the events being in the nature of act of god may be considered as force majeure. He clarified that the issue of Farakka unit shut down due to water shortages in river Ganges may attract clause of force majeure in PPA/tariff regulations which constituents had already accepted. Therefore beneficiaries were requested to agree in principle on deemed availability with separate deliberation/s on computation of deemed availability.

NTPC was requested to place all the latest documents on its petition before CERC in 2006 and subsequent developments.

Commercial sub Committee decided to refer this issue to TCC for further deliberations and decision.

ITEM NO.19 Mismatch in total schedule energy of NTPC Stations between ERPC & NERPC REA for the year 2015-16.

Details submitted by NTPC is at Annexure-XII

NTPC may elaborate.

Deliberation in the Commercial Sub Committee Meeting

NTPC informed that the treatment of surrender of power by Assam from ER NTPC stations as being followed in ERLDC/ERPC and NERLDC/NERPC is different. While ERLDC/ERPC are surrendering the power from both solar and non-solar component, NERLDC/NERPC were first charging the non-solar component. Due to this there was mismatch in REA figures of ER and NER for Assam.

Member Secretary advised that a separate meeting among ERPC/ERLDC and NERPC/NERLDC could be scheduled for sorting out the issue.

Members agreed.

ITEM NO.20 Annual maintenance charges to PGCIL for Deothang-Rangia line"-Agenda item submitted by DVC

132KV Deothang-Rangia Transmission line stretches between India and Bhutan. The power from Kurichhu Hydel power station which is in Bhutan is evacuated through this 132KV Deothang-Rangia Transmission line. An agreement has been made between PTC and PGCIL for the maintenance of the portion of line which is within Indian territory. Since DVC and WBSEDCL share the power from Kurichhu hydel in 50:50 share basis, as

per the instruction from GOI, PTC made a back to back agreement with DVC and WBSEDCL for sharing the annual maintenance charges of this line to be paid to PGCIL in 50:50 sharing basis.

During 2015-16, DVC got Hydel power from Kurichhu only during August, September and October in the tune of total 20 MU. Rest of the period of the year no power was scheduled to DVC from Kuricchu Hydel.

Since, DVC and WBSEDCL are sharing the annual maintenance charge of 132KV Deothang-Rangia Transmission line, sharing of line capacity by other beneficiaries/Generators may reduce the burden of DVC and WBSEDCL to the extent. It is therefore proposed to take appropriate action based on load flow studies of above line

DVC may elaborate.

Deliberation in the Commercial Sub Committee Meeting

DVC requested for clarification whether the 132 kV Deothang-Rangia Transmission line was being used by any other constituents.

PTC clarified that the 132 kV Deothang-Rangia Transmission line was being used by beneficiaries of Kurichhu HPS only.

ITEM NO.21 Declaration of Commercial Operation of Transmission Elements-Agenda submitted by Powergrid

The list of transmission elements declared under Commercial operation is at **Annexure-XIII**

Members may please note.

Deliberation in the Commercial Sub Committee Meeting

Members noted.

ITEM NO.22 Frequent Revisions in Final Schedule-Agenda submitted by ERPC Secretariat.

ERPC Secretariat, of late, has been receiving a lot of requests for revision of DSM Accounts due to revision of schedule. The instances of revision have increased significantly over the last few weeks.

This not only results in unnecessary duplication of work due to revision of accounts but also severe financial implication due to repeated adjustment of Deviation amounts payable to/ receivable from the pool.

Details of schedule revision given in **Annexure -XIV**

Members may discuss.

Deliberation in the Commercial Sub Committee Meeting

ERLDC informed that most of the revisions in recent past were due to mismatch in mutually agreed scheduled transactions between DVC and Kerala. DVC informed that they will take care and evolve a mutual process with Kerala so that the revisions could be avoided in future.

ERLDC further informed that many of the entities engaged in STOA did not check their schedules on regular basis. Only after issue of REA these entities were checking their schedules. Regular checking of schedules by concerned entities would reduce the requirement of schedule revision.

ERPC Secretariat requested all the constituents to check the schedules at the earliest and inform ERLDC in case of any discrepancy otherwise the issuance of commercial accounts may get delayed.

Annexure - I

SUMMARY OF DEVIATION CHARGE RECEIPT AND PAYMENT STATUS

BILL from 28.03.16 to 08.05.16 (upto Week - 7(B) of 2016 - 17)

Last Payment Disbursement Date - 31.05.16

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
WR	851.85097	851.85097	5502.75534	4784.65300	-718.10234
SR	602.39548	593.78508	2211.94980	2211.94980	8.61040
NER	9417.51533	10774.89641	0.00000	0.00000	-1357.38108
NR	0.00000	0.00000	11016.21644	8491.24776	-2524.96868
BSPHCL	2544.07011	994.78216	0.00000	0.00000	1549.28795
JUVNL	5998.87414	0.00000	0.00000	0.00000	5998.87414
DVC	43.80004	7.31194	639.27171	639.27171	36.48810
GRIDCO	659.04447	619.94869	0.00000	0.00000	39.09578
WBSETCL	424.55463	364.40790	0.00000	0.00000	60.14673
SIKKIM	3.77375	0.00000	145.13819	119.03661	-22.32783
NTPC	2080.74142	1832.57700	0.00000	0.00000	248.16442
NHPC	0.00000	0.00000	311.84835	286.08893	-25.75942
MPL	2.48312	0.00000	58.14390	58.14390	2.48312
VEDANTA LTD.	2167.53960	1319.48795	0.00000	0.00000	848.05165
APNRL	236.32993	0.00000	5.13349	0.00000	231.19644
CHUZACHEN (GATI)	8.50749	0.00000	93.71260	80.07277	-5.13234
NVVN (IND-BNG)	43.81186	22.41148	2.97586	2.97586	21.40038
JITPL	344.63469	297.12068	84.28166	84.28166	47.51401
GMR	270.48249	10.55878	10.58879	10.58879	259.92371
IND BARATH	17.00156	17.00156	0.00000	0.00000	0.00000
TPTCL(DAGACHU)	54.57593	53.62204	0.00000	0.00000	0.95389
JLHEP (DANS ENERGY)	8.05243	7.99083	11.26471	7.74615	-3.45696
BRBCL(NABINAGAR)	27.55338	27.55338	0.00000	0.00000	0.00000
NVVN (IND-NEPAL)	98.58392	92.36411	0.00000	0.00000	6.21981
Pool Balance	0.00000	0.00000	-346.63325	0.00000	346.63325
Addl Deviation charge	2944.35651	1111.61402	0.00000	0.00000	1832.74249
IRE	0.00000	0.00000	-6.38982	0.00000	6.38982
TOTAL	22536.10229	17887.67096	19591.74579	16776.05694	

	% Realization	79.37	As on	31.05.16
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 - II

STATUS OF REACTIVE CHARGES

**RECEIVABLE IN ER POOL AS PER PUBLISHED A/C UPTO 08.05.16 (2016 -17)
AS ON 31.05.2016**

CONSTITUENT	AMOUNT RECEIVABLE IN THE POOL (Rs.)	AMOUNT RECEIVED IN THE POOL (Rs.)	OUTSTANDING (Rs.)
WBSETCL	125768328	37333370	88434958
JUVNL	0	0	0
GRIDCO	70874354	80098830	-9224476
SIKKIM	152983	152983	0
TOTAL	196795665	117585183	79210482

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 01.05.16 (upto Week - 5 of 2016 - 17)

Last Payment Disbursement Date - 23.05.16

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
FSTPP STG-I	0.00000	0.00000	4.47144	0.00000	4.47144
FSTPP STG-II	0.00000	0.00000	8.18210	0.00000	8.18210
KhSTPP STG-I	0.33758	0.00000	2.48227	0.00000	2.14469
KhSTPP STG-II	0.00000	0.00000	0.63856	0.00000	0.63856
TSTPP STG-I	0.00000	0.00000	13.33413	0.00000	13.33413
BARH STG-I	0.00000	0.00000	0.00000	0.00000	0.00000
BARH STG-II	0.33133	0.00000	10.79423	0.00000	10.46290
NTPC TOTAL	0.66891	0.00000	39.90273	14.24540	24.98842
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	0.66891	0.00000	39.90273	14.24540	24.98842

Receivable:	Receivable by ER POOL	As on	31.05.16
Received	Received by ER POOL	Payable	Payable by ER POOL
"- ve" Payable by ER pool		Paid	Paid by ER POOL
		" + ve" Receivable by ER pool	

Annexure - IV

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

DETAILS OF DISBURSEMENT TO POWER SYSTEM DEVELOPMENT FUND

Sl 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
	Total	88338.97003			

Status of Reconciliation of Deviation Pool Account

Annexure-VII

	2014-15				2015-16			
Name of The Utility	Q1 (01.07.14)	Q2 (08.10.14)	Q3 (05.01.15)	Q4 (07.04.15)	Q1 (01.07.15)	Q2(05.10.15)	Q3(05.01.16)	Q4(05.04.16)
Inter Regional								
WR	YES	YES	YES	YES	YES	NO	YES	YES
SR	NO	NO	YES	YES	YES	YES	YES	YES
NER	YES	YES	NO	YES	NO	NO	YES	YES
NR	NO	NO	NO	NO	NO	NO	NO	NO
Intra Regional								
BSPHCL	NO	NO	NO	NO	NO	NO	NO	NO
JUVNL	YES	YES	YES	NO	NO	NO	NO	NO
DVC	YES	YES	YES	YES	YES	YES	YES	YES
GRIDCO	YES	YES	YES	NO	YES	YES	YES	YES
WBSETCL	YES	YES	YES	YES	YES	YES	YES	YES
SIKKIM	NO	NO	NO	NO	NO	NO	NO	NO
NTPC	YES	YES	YES	YES	YES	YES	YES	YES
NHPC	YES	YES	YES	YES	YES	YES	YES	YES
MPL	YES	YES	YES	YES	YES	YES	YES	YES
VEDANTA LTD.	YES	YES	YES	YES	YES	YES	YES	YES
APNRL	YES	YES	YES	YES	YES	YES	YES	NO
CHUZACHEN(GATI)	YES	YES	YES	YES	YES	YES	YES	YES
NVVN	YES	YES	YES	YES	YES	YES	YES	YES
GMR	YES	YES	YES	YES	YES	NO	NO	YES
JITPL	YES	YES	YES	YES	YES	YES	YES	YES
INBEUL	N/A	N/A	NO	YES	NO	NO	NO	NO
TPTCL (DAGACHU)	N/A	N/A	N/A	YES	YES	YES	YES	YES
JLHEP(DANS ENERGY)	N/A	N/A	N/A	N/A	N/A	N/A	YES	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

Distribution of DSM Interest Recovered of 2014-15(Bal) and FY 2015-16

DSM Interest Amount Recovered		PAID TO THE CONSTITUENTS		
CONSTITUENT	2014-15(Bal) & 2015-16	CONSTITUENT	FY 2015-16	Date
	Amount in (Rs)		Amount in (Rs)	
APNRL	4124088	GRIDCO	25162	25.04.16
BSPHCL	15406124	SIKKIM	497994	25.04.16
BSPHCL	1166696	NTPC	70	25.04.16
		NHPC	20173	25.04.16
		MPL	47851	25.04.16
		NVVN (IND-BD)	385	25.04.16
		IBEUL	118087	25.04.16
		TPTCL	5098	25.04.16
		SR POOL	64901	25.04.16
		PSDF	5934044	25.04.16 & 06.05.16
		NR POOL	13983143	15.04.16, 06.05.16 & 25.05.16
TOTAL	206,96,908		206,96,908	

Annexure-VIII

[illegible]

Reconciliation Between Open Access department of ERLDC and Applicants					
S. No.	Applicants Name	Quarter-I(Apr-15-June-15)	Quarter-II(Jul-15-Sep-15)	Quarter-III(Oct-15-Dec-15)	Quarter-IV(Jan-16-Mar-16)
	Date of Issuance	16-Jul-15	19-Oct-15	15-Jan-16	08-Apr-16
1	BSPHCL	NA	NA	YES	NA
2	DVC	NA	NA	NA	YES
3	GMR	YES	YES	NA	YES
4	JITPL	YES	YES	YES	YES
5	JUVNL	NA	YES	NA	NA

[illegible]

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

SI No	ER Constituents	No. of weeks in which Deviation Charge payable	No of times payment was delayed during 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	03.01.2017	Opened for 529.52000 Lac
2	DVC	11	N/A	1176.42772	22.62361	24.88597	17.11.2016	Opened for 155.18882 Lac
3	WBSETCL	45	N/A	8089.38786	155.56515	171.12167	08.09.2016	Opened for 297.97176 Lac
4	SIKKIM	5	5	75.76714	1.45706	1.60277	04.10.2016	Opened for 2.85136 Lac
5	MPL	7	2	34.59999	0.66538	0.73192	31.08.2016	Opened for 8.76666 Lacs
6	APNRL	24	24	741.51734	14.25995	15.68594	20.08.2016	Opened for 87.04872 Lacs
7	GMR	19	7	929.588	17.87669	19.66436	15.07.2016	Opened for 25.58614 Lacs
8	JUVNL	36	36	4060.64239	78.08928	85.89820		Not Opened
9	GATI	8	6	261.0675	5.02053	5.52258		Not Opened
10	VEDANTA	48	15	7892.76469	151.78394	166.96233		Not Opened
11	IND-BARATH	46	16	248.75964	4.78384	5.26222		Not Opened

3rd Phase : 25 Locations			Annexure-X		S.No	ERLDC_ID	OLD MTR	NEW MTR	LOCATION
1	CHAIBASA(CHB)	PG	1	TL-32		NP-7961-A		TALCHER SOLAR(NTPC)	
2	RANGPO(RGP)	PG	2	TL-33		NP-7626-A		TALCHER SOLAR(NTPC)	
3	NEW MELLI (NML)	PG	3	TL-34		NP-7962-A		TALCHER SOLAR(NTPC)	
4	SAGBARI(SGB)	SIKKIM	4	TL-35		NP-7628-A		TALCHER SOLAR(NTPC)	
5	GYALSHING(GSH)	SIKKIM	5	TL-37		NP-7627-A		TALCHER SOLAR(NTPC)	
6	NABINAGAR(NBN)	NTPC	6	TL-38		NP-5968-A		TALCHER SOLAR(NTPC)	
7	IND-BARATH (IBR)	IPPR	7	OR-15		NP-7991-A		BALIMELA(GRIDCO)	
8	TALCHER SOLAR (TLS)	NTPC	8	OR-16		NP-7992-A		BALIMELA(GRIDCO)	
9	KUDRA(KUD)	BIHAR	9	EN-10		NP-7847-A		RANCHI NEW(PG)	
10	RANCHI NEW(RNC)	PG	10	EN-11		NP-7876-A		RANCHI NEW(PG)	
11	LAKHISARAI(LKS)	PG	11	EN-12		NP-7849-A		RANCHI NEW(PG)	
12	LAKHISARAI(LKK)	BIHAR	12	EN-13		NP-7866-A		RANCHI NEW(PG)	
13	JAMUI(JMU)	BIHAR	13	EN-14		NP-7865-A		RANCHI NEW(PG)	
14	KISANGANJ (PG)	PG	14	EN-19		NP-7875-A		RANCHI NEW(PG)	
15	BALIMELA(BLM)	GRIDCO	15	EN-46		NP-7432-A		LAKHISARAI(PG)	
16	JLHEP(DANS ENERGY)	IPPR	16	EN-27		NP-7433-A		LAKHISARAI(PG)	
17	CHAIBASA(CHA)	JUVNL	17	EN-20		NP-7958-A		RANGPO(PG)	
18	SADIEPALI(SDP)	GRIDCO	18	EN-21		NP-7959-A		RANGPO(PG)	
19	KATAPALLI(KTP)	GRIDCO	19	EN-22		NP-7933-A		RANGPO(PG)	
20	NEW DUBRI (DBR)	GRIDCO	20	EN-23		NP-7955-A		RANGPO(PG)	
21	NEW PUSAULI (NPS)	BIHAR	21	EN-24		NP-7956-A		RANGPO(PG)	
22	FORBISGANJ (FBS)	BIHAR	22	EN-25		NP-7957-A		RANGPO(PG)	
23	NALANDA(NLN)	BIHAR	23	TL-31		NP-7909-A		TALCHER SOLAR(NTPC)	
24	DUMKA(DUM)	JUVNL	24	TL-30		NP-5979-A		TALCHER SOLAR(NTPC)	
25	BANKA(BNK)	PG	25	EN-29		NP-7950-A		ANGUL(PG)	
In Future			26	EN-30		NP-7558-A		ANGUL(PG)	
1	PANDIABILPNB)	PG	27	EN-31		NP-7987-A		ANGUL(PG)	
2	CHANDWA(CHW)	JUVNL	28	EN-32		NP-7988-A		ANGUL(PG)	
3	KESINGA(KES)	GRIDCO	29	EN-37		NP-7889-A		LAKHISARAI(PG)	
4	KEONJHAR(KEO)	GRIDCO	30	TL-37	NP-7627-A	NP-7946-A		TALCHER SOLAR(NTPC)	
5	ATRI(ATR)	GRIDCO	31	TL-40	NP-7618-A	NP-7945-A		TALCHER SOLAR(NTPC)	
6	PURI(PUR)	GRIDCO	32	EN-33		NP-7922-A		RANGPO(PG)	
			33	EN-34		NP-7923-A		RANGPO(PG)	
			34	EN-35		NP-7924-A		RANGPO(PG)	
			35	EN-36		NP-7623-A		RANGPO(PG)	
			36	EN-39		NP-7622-A		RANGPO(PG)	
			37	TL-39	NP-7614-A	NP-7631-A		TALCHER SOLAR(NTPC)	
			38	TL-41	NP-7615-A	NP-7633-A		TALCHER SOLAR(NTPC)	
			39	EN-38		NP-7621-A		RANGPO(PG)	
			40	EN-43		NP-7629-A		ANGUL(PG)	
			41	EN-44		NP-7949-A		ANGUL(PG)	
			42	EN-40		NP-7906-A		SUNDERGARH(PG)	
			43	EN-41		NP-7634-A		SUNDERGARH(PG)	
			44	EN-42		NP-7638-A		SUNDERGARH(PG)	
			45	TL-36	NP-7632-A	NP-7630-A		TALCHER SOLAR(NTPC)	
			46	EN-32	NP-7988-A	NP-7908-A		ANGUL(PG)	
			47	EN-26		NP-7885-A		LAKHISARAI(PG)	
			48	EN-47		NP-7886-A		LAKHISARAI(PG)	
			49	BI-50		NP-7869-A		KUDRA(BSPHCL)	
			50	EN-50		NP-7429-A		LAKHISARAI(PG)	
			51	EN-50		NP-7429-A		LAKHISARAI(PG)	
			52	EN-51		NP-7887-A		LAKHISARAI(PG)	
			53	EN-52		NP-7430-A		LAKHISARAI(PG)	
			54	BI-26		NP-8697-A		LAKHISARAI(BSPHCL)	
			55	BI-27		NP-8698-A		JAMUI(BSPHCL)	
			56	IB-01		NP-8792-A		IBEUL	
			57	IB-02		NP-8793-A		IBEUL	
			58	IB-03		NP-8795-A		IBEUL	
			59	IB-04		NP-8794-A		IBEUL	
			60	IB-05		NP-8783-A		IBEUL	
			61	IB-06		NP-8782-A		IBEUL	
			62	IB-07		NP-8784-A		IBEUL	
			63	IB-08		NP-8796-A		IBEUL	
			64	EN-54		NP-7619-A		RANGPO(PG)	
			65	EN-55		NP-7620-A		RANGPO(PG)	
			66	EN-57		NP-7907-A		SUNDERGARH(PG)	
			67	NB-01		NP-8700-A		NABINAGAR	
			68	NB-02		NP-8701-A		NABINAGAR	
			69	EN-58		NP-8678-A		CHAIBASA(PG)	
			70	EN-59		NP-8710-A		RANGPO(PG)	
			71	EN-60		NP-8711-A		RANGPO(PG)	
			72	WB-23		LT-0194-A		SAGARDIGHI(WBSETCL)	
			73	WB-24		LT-0191-A		SAGARDIGHI(WBSETCL)	
			74	NB-05		NP-8662-A		NABINAGAR	
			75	WB-25		NP-8724-A		SAGARDIGHI(WBSETCL)	
			76	WB-26		NP-8725-A		SAGARDIGHI(WBSETCL)	
			77	WB-27		NP-8723-A		SAGARDIGHI(WBSETCL)	
			78	WB-28		NP-8722-A		SAGARDIGHI(WBSETCL)	
			79	EN-68		NP-8721-A		BERHAMPORE(PG)	
			80	EN-69		NP-8726-A		BERHAMPORE(PG)	
			81	EN-63		NP-8780-A		ANGUL(PG)	
			82	EN-64		NP-8781-A		ANGUL(PG)	
			83	EN-65		NP-8785-A		ANGUL(PG)	
			84	EN-66		NP-8786-A		ANGUL(PG)	
			85	EN-67		NP-8637-A		CHAIBASA(PG)	
			86	EN-77		NP-8778-A		ANGUL(PG)	
			87	EN-78		NP-8779-A		ANGUL(PG)	
			88	EN-79		NP-7636-A		SUNDERGARH(PG)	
			89	EN-80		NP-8714-A		RANGPO(PG)	

90	EN-81		NP-8715-A	RANGPO(PG)
91	EN-82		NP-8777-A	ANGUL(PG)
92	SM-05		NP-8797-A	SAGBARI(SIKKIM)
93	SM-06		NP-8798-A	SAGBARI(SIKKIM)
94	SM-07		NP-8730-A	GYALSHING(SIKKIM)
95	EN-83		NP-8673-A	BANKA(PG)
96	EN-84		NP-8675-A	BANKA(PG)
97	AP-03	NP-7438-A	NP-8642-A	APNRL
98	EN-85		NP-8647-A	NEW MELLI(PG)
99	EN-86		NP-8640-A	NEW MELLI(PG)
100	RG-12		NP-8734-A	RANGIT(NHPC)
101	RG-13		NP-8733-A	RANGIT(NHPC)
102	RG-14		NP-8732-A	RANGIT(NHPC)
103	RG-15		NP-8736-A	RANGIT(NHPC)
104	RG-16		NP-8735-A	RANGIT(NHPC)
105	BI-28		NP-8653-A	SULTANGANJ(BSPHCL)
106	BI-29		NP-8672-A	SULTANGANJ(BSPHCL)
107	EP-18	NP-7471-A	NP-8660-A	GAYA(PG)
108	EN-87		NP-8727-A	MAITHON(PG)
109	EN-88		NP-8739-A	MAITHON(PG)
110	JS-09		NP-8695-A	DUMKA(JUVNL)
111	JS-10		NP-8774-A	DUMKA(JUVNL)
112	OR-22		NP-7916-A	NEW DUBURI(GRIDCO)
113	EN-89		NP-7887-A	LAKHISARAI(PG)
114	EN-90		NP-7430-A	LAKHISARAI(PG)
115	EN-91		NP-8755-A	RANCHI NEW(PG)
116	EN-92		NP-8754-A	RANCHI NEW(PG)
117	BI-32		NP-8664-A	PUSAULI NEW(BSPHCL)
118	BI-33		NP-8665-A	PUSAULI NEW(BSPHCL)
119	EN-93		NP-8742-A	ARA(PG)
120	EN-94		NP-8743-A	ARA(PG)
121	JL-01		NP-8737-A	JORETHANG(JLHEP)
122	JL-02		NP-8766-A	JORETHANG(JLHEP)
123	JL-03		NP-8762-A	JORETHANG(JLHEP)
124	JL-04		NP-8763-A	JORETHANG(JLHEP)
125	JL-05		NP-8764-A	JORETHANG(JLHEP)
126	JL-06		NP-8765-A	JORETHANG(JLHEP)
127	EN-95		NP-7635-A	SUNDERGARH(PG)
128	BI-30		NP-8670-A	LAKHISARAI(BSPTCL)
129	BI-31		NP-8671-A	LAKHISARAI(BSPTCL)
130	EN-51		NP-7888-A	LAKHISARAI(PG)
131	EN-52		NP-7431-A	LAKHISARAI(PG)
132	AP-02	NP-7462-A	NP-8643-A	APNRL
133	BI-26		NP-8669-A	JAMUI(BSPHCL)
134	BI-27		NP-8668-A	JAMUI(BSPHCL)
135	EN-97		NP-8868-A	CHAIBASA(PG)
136	EN-98		NP-8869-A	CHAIBASA(PG)
137	JS-11		NP-8865-A	CHAIBASA(JUVNL)
138	JS-12		NP-8866-A	CHAIBASA(JUVNL)
139			NP-7940-A	RANGPO(PG)
140			NP-7941-A	RANGPO(PG)
141	EN-99		NP-8753-A	RANCHI NEW(PG)
142	JS-13		NP-8867-A	CHAIBASA(JUVNL)
143	ES-03		NP-8694-A	BANKA(PG)
144	ES-04		NP-8696-A	BANKA(PG)
145	ES-02		NP-8860-A	ARA(PG)
146	ES-01		NP-8874-A	MUZAFFARPUR(PG)
147	ES-06		NP-8788-A	ANGUL(PG)
148	ES-07		NP-8871-A	MUZAFFARPUR(PG)
149	ES-08		NP-8873-A	MUZAFFARPUR(PG)
150	ES-09		NP-8872-A	MUZAFFARPUR(PG)
151	BI-34		NP-8883-A	FORBESGANJ(BSPTCL)
152	BI-35		NP-8884-A	FORBESGANJ(BSPTCL)
153	ES-10		NP-8655-A	PATNA(PG)
154	ES-11		NP-8887-A	KISHANGANJ(PG)
155	ES-12		NP-8885-A	KISHANGANJ(PG)
156	ES-13		NP-8856-A	KISHANGANJ(PG)
157	ES-14		NP-8886-A	KISHANGANJ(PG)
158	ES-15		NP-8858-A	KISHANGANJ(PG)
159	ES-16		NP-8889-A	KISHANGANJ(PG)
160	ES-17		NP-8859-A	KISHANGANJ(PG)
161	ES-18		NP-8855-A	KISHANGANJ(PG)
162	ES-19		NP-8880-A	KISHANGANJ(PG)
163	ES-20		NP-8888-A	KISHANGANJ(PG)
164	ES-21		NP-8857-A	KISHANGANJ(PG)
165	ES-22		NP-8790-A	BOLANGIR(PG)
166	ES-23		NP-8789-A	BOLANGIR(PG)
167	OR-17		NP-7561-A	KATAPALI(GRIDCO)
168	OR-18		NP-7944-A	SADEIPALI(GRIDCO)
169	ES-24		NP-8712-A	RANGPO(PG)
170	ES-25		NP-8713-A	RANGPO(PG)
171	ES-26		NP-8659-A	GAYA(PG)
172	NB-07		NP-8892-A	NABINAGAR
173	NB-11		NP-8891-A	NABINAGAR
174	ES-27		NP-8775-A	MALDA(PG)
175	ES-28		NP-8776-A	MALDA(PG)
176	OR-20	NP-5983-A	NP-7498-A	MENDHASAL(GRIDCO)
177	EP-19	NP-7470-A	NP-8658-A	GAYA(PG)
178	ES-05	NP-8787-A	NP-7995-A	ANGUL(PG)
179	EM-49		NP-7880-A	CHANDIL(JUVNL)

List of Time Drifted SEMs in ER

Annexure-XI

SNO	Sub Station	METER SNO	FEEDER NAME	DCU TIME	METER TIME	DIFF(min)
1	BANKA(BSPTCL)	NP-7833-A	132 KV BANKA(PG)	12:44:39	12:53:57	9
2	BIRPARA(PG)	NP-5891-A	HV SIDE OF 220 ICT-2	11:44:31	12:07:38	23
3	BIRPARA(PG)	NP-6462-A	220 KV SALAKATI (NER) -1	11:43:38	11:34:55	-9
4	BIRPARA(PG)	NP-6463-A	220 KV SALAKATI (NER) -2	11:42:42	11:34:10	-8
5	BIRPARA(PG)	NP-6465-A	220 KV CHUKHA (CHPC) -1	11:40:50	11:33:31	-7
6	BIRPARA(PG)	NP-6490-A	BIRPARA END OF MALBASE	11:41:46	11:30:18	-11
7	BIRPARA(PG)	NP-6491-A	BIRPARA END OF SILIGURI (PG) -1	11:39:01	11:29:24	-10
8	BIRPARA(WBSETCL)	NP-5893-A	BIRPARA END OF BIRPARA (PG)-2	12:11:49	12:29:47	18
9	BIRPARA(WBSETCL)	NP-6489-A	BIRPARA END OF BIRPARA (PG)-1	12:30:53	12:22:21	-8
10	BOLANGIR(PG)	NP-7536-A	315 MVA ICT-II	11:31:24	11:44:06	13
11	BOLANGIR(PG)	NP-7537-A	BOLANGIR END OF JEYPORE-1	12:29:53	12:39:41	10
12	BOLANGIR(PG)	NP-7538-A	BOLANGIR END OF JINDAL(JDL)	12:31:27	12:42:47	11
13	CHANDIL(JUVNL)	NP-7434-A	CHANDIL END OF RANCHI (PG)	12:29:01	12:40:47	11
14	CHANDIL(JUVNL)	NP-7435-A	CHANDIL END OF HATIA(JUVNL)	10:23:47	10:33:33	10
15	CHANDIL(JUVNL)	NP-7436-A	220 KV SANTALDIH (WB)	10:25:21	10:36:35	11
16	CHANDIL(JUVNL)	NP-7461-A	CHANDIL END OF MANIQUE (DVC)	10:24:34	10:31:26	7
17	DALKHOLA(PG)	NP-5068-A	220 KV DALKHOLA (WB) LINE-2	12:32:58	12:51:06	19
18	DALKHOLA(PG)	NP-7969-A	220 DALKHOLA(WBSETCL) LINE-1	12:12:11	12:23:38	11
19	DEHRI(BSPTCL)	NP-6098-A	132 KV PUSAULI (PG)	11:51:32	12:01:31	10
20	DEHRI(BSPTCL)	NP-7397-A	220 KV GAYA(PG) LINE-II	12:20:45	12:31:03	11
21	DEHRI(BSPTCL)	NP-7449-A	220 KV GAYA(PG) LINE-I	12:19:58	12:30:13	11
22	DUMRAON(BSPTCL)	NP-6067-A	132 KV ARAH (PG)	11:44:52	11:51:02	7
23	DURGAPUR(PG)	NP-5831-A	400 KV B NAGAR-1 LINE MAIN	11:10:09	11:18:36	8
24	DURGAPUR(PG)	NP-7557-A	400 KV SDG LINE 2	10:31:25	10:44:25	13
25	DURGAPUR(PG)	NP-7954-A	400 KV FARAKKA LINE 1	11:33:02	11:42:57	9
26	DURGAPUR(PG)	NP-7975-A	400 KV FARAKKA 2	11:35:48	11:47:05	12
27	FARAKKA(NTPC)	NP-7553-A	FARAKKA GT5	09:02:39	09:15:34	13
28	FARAKKA(NTPC)	NP-7928-A	FARAKKA GT-3	09:13:30	09:23:52	10
29	FARAKKA(NTPC)	NP-7960-A	FARAKKA (GT1)	09:14:17	09:24:45	10
30	FARAKKA(NTPC)	NP-7986-A	FARAKKA GT-2	09:15:04	09:26:01	11
31	FATUA(BSPTCL)	NP-7850-A	220 KV PATNA (PG)	12:25:07	12:32:27	7
32	GANGTOK(PG)	NP-6025-A	132/66 KV ICT-2	12:15:50	12:31:08	16
33	GANGTOK(PG)	NP-6028-A	132/66 KV ICT-2	11:36:31	11:47:33	11
34	HAJIPUR(BSPTCL)	NP-7851-A	220KV MUZAFFARPUR -1 (PG)	06:18:21	06:30:03	12
35	HAJIPUR(BSPTCL)	NP-7852-A	220KV MUZAFFARPUR -2(PG)	10:16:52	10:26:28	10
36	HATIA(JUVNL)	NP-6121-A	HATIA END OF CHANDIL (JUVNL)	11:45:37	12:03:53	18
37	HATIA(JUVNL)	NP-6122-A	HATIA END OF RANCHI (PG)	11:44:44	11:54:58	10
38	JAMSHEDPUR(DVC)	NP-6010-B	220 KV JINDAL(GRIDCO)	12:13:50	12:41:16	28
39	JEYPORE(PG)	NP-5955-A	HV SIDE 315 MVA ICT -1	10:26:50	10:56:55	30
40	JEYPORE(PG)	NP-5956-A	HV SIDE 315 MVA ICT -2	10:27:48	11:01:41	34
41	JEYPORE(PG)	NP-5957-A	220 KV JEYNAGAR (GRIDCO) -1	10:28:40	11:01:28	33
42	JEYPORE(PG)	NP-5958-A	220 KV JEYNAGAR (GRIDCO) -2	10:29:32	11:05:32	36
43	JEYPORE(PG)	NP-5959-A	JEYPORE END OF INDRAVATI (PG)	10:30:27	10:58:17	28
44	JEYPORE(PG)	NP-5960-A	400 KV M MUNDALI (GRIDCO)	10:31:19	11:01:47	30
45	JEYPORE(PG)	NP-5962-A	JEYPORE END OF GAJUWAKA (PG) -2	12:32:03	13:02:13	30
46	JITPL	NP-7604-A	400 KVANGUL(PG) LINE-2 (MAIN)	11:32:31	11:39:06	7
47	JITPL	NP-7895-A	JINDAL-ANGUL(PG) LINE-1 (MAIN)	11:33:18	11:40:05	7
48	JITPL	NP-7947-A	400 KV ANGUL(PG) LINE-2 (CHECK)	11:34:52	11:45:52	11
49	JITPL	NP-7948-A	400 KV ANGUL(PG) LINE-1 (CHECK)	12:35:33	12:46:43	11
50	KAHALGAON(BSPTCL)	NP-6075-A	132 KV LALMATIA LINE-I	12:05:32	12:13:40	8
51	KAHALGAON(BSPTCL)	NP-6076-A	132 KV KAHALGAON (NTPC)	11:46:31	11:56:54	10
52	KALIMPONG(WBSETCL)	NP-5994-A	Melli Bazar 1	12:26:18	12:51:32	25
53	KARAMNASHA(BSPTCL)	NP-6017-B	132 KV CHANDAULI (UPSEB)	10:32:58	10:53:02	21
54	KHAGAIL(BSPTCL)	NP-5833-A	KHAGAIL END OF PATNA	11:49:19	11:59:28	10
55	KHARAGPUR(WBSETCL)	NP-7563-A	400 KV BARIPADA(PG)	12:28:22	12:40:47	12
56	KISHANGANJ(BSPTCL)	NP-6085-A	KISHANGANJ END OF DALKHOLA (WB)	12:06:59	12:15:06	9
57	KODERMA(DVC)	NP-7012-A	400 KV - BIHARSHARIFF (PG)-1 MAIN	11:35:35	11:42:59	7
58	KODERMA(DVC)	NP-7457-A	400 KV - BIHARSHARIFF (PG)-1 CHECK	11:37:09	11:48:56	11
59	KODERMA(DVC)	NP-7890-A	400 KV GAYA (PG)-2 (MAIN)	11:29:25	11:38:11	9
60	KODERMA(DVC)	NP-7891-A	400 KV MAITHON (PG)-1MAIN	11:30:58	11:38:59	8
61	KODERMA(DVC)	NP-7892-A	400 KV MAITHON (PG)-1 CHECK	11:32:30	11:46:09	14
62	KODERMA(DVC)	NP-7893-A	400 KV GAYA (PG)-2 (CHECK)	11:34:02	11:41:36	7
63	KURSEONG(WBSETCL)	NP-7541-A	132 KV RANGIT(NHPC)	12:14:03	12:22:52	8
64	LALMATIA(JUVNL)	NP-6107-A	132 KV KAHALGAON (BSPHCL)	10:02:28	10:13:15	11
65	LALMATIA(JUVNL)	NP-6108-A	132 KV KAHALGAON (NTPC)	10:05:58	10:16:04	11
66	LALMATIA(JUVNL)	NP-6109-A	220 KV FARAKKA (NTPC)	10:06:50	10:15:41	9
67	MAITHON(PG)	NP-5206-A	MAITHON END OF MEJIA LINE-1	11:31:30	11:57:32	26
68	MAITHON(PG)	NP-5225-A	MAITHON END OF MEJIA LINE-2	11:25:01	11:51:31	26
69	MAITHON(PG)	NP-6447-A	MAITHON END OF JAMSHEDPUR (PG)	11:27:49	11:17:56	-10
70	MAITHON(PG)	NP-6451-A	220 KV KALYANESHWARI (DVC) -2	11:21:20	11:08:29	-13
71	MAITHON(PG)	NP-6453-A	HV SIDE OF MAITHON 315 MVA ICT -1	09:41:36	09:27:12	-14
72	MAITHON(PG)	NP-6509-A	220 KV KALYANESHWARI LINE-3	11:23:09	11:10:39	-13
73	MAITHON(PG)	NP-6510-A	220 KV KALYANESHWARI LINE-4	11:24:05	11:13:24	-11
74	MAITHON(PG)	NP-6519-A	400 KV MAITHON RB (MPL)-1	11:30:37	11:18:03	-12
75	MAITHON(PG)	NP-6520-A	400 KV MAITHON RB (MPL)-2	11:29:41	11:18:42	-11
76	MAITHON(PG)	NP-6521-A	MAITHON END OF MEJIA(DVC)	11:28:42	11:21:35	-7
77	MAITHON(PG)	NP-6529-A	220 KV KALYANESHWARI (DVC) -1	11:22:16	11:11:10	-11
78	MAITHON(PG)	NP-7492-A	MAITHON END OF DURGAPUR(PG)-II	11:34:44	11:47:52	13
79	MAITHON(PG)	NP-7534-A	MAITHON END OF DURGAPUR(PG)-I	11:33:57	11:45:22	12
80	MAITHON(PG)	NP-7535-A	MAITHON END OF RTPS -2	09:51:49	10:04:42	13
81	MAITHON(PG)	NP-7550-A	MAITHON END OF KODERMA LINE-I	11:37:05	11:49:03	12
82	MAITHON(PG)	NP-7551-A	MAITHON END OF KODERMA LINE-II	11:37:52	11:49:07	12
83	MAITHON(PG)	NP-7902-A	MAITHON END OF RANCHI LINE	11:35:31	11:45:42	10
84	MAITHON(PG)	NP-7903-A	MAITHON END OF KAHALGAON LINE-1	11:33:10	11:44:12	11

85	MAITHON(PG)	NP-7904-A	MAITHON END OF KAHALGAON LINE-2	11:32:23	11:43:22	11
86	MALDA(PG)	NP-6477-A	220 KV DALKHOLA FDR1	12:06:49	11:51:19	-15
87	MALDA(PG)	NP-6478-A	132 KV MALDA WBSETCL2	11:57:10	11:40:21	-17
88	MALDA(PG)	NP-6479-A	220 KV DALKHOLA FDR2	12:05:03	11:46:46	-19
89	MALDA(PG)	NP-7555-A	132 KV MALDA WBSETCL1	12:00:30	12:13:31	13
90	MALDA(PG)	NP-7925-A	220 KV ICT3	12:08:35	12:19:46	11
91	MALDA(PG)	NP-7926-A	220 KV ICT-5	12:03:32	12:14:44	11
92	MALDA(PG)	NP-7927-A	400 KV PURNIA2	12:11:37	12:22:35	11
93	MALDA(PG)	NP-7976-A	400 KV PURNIA1	10:33:44	10:44:14	11
94	MALDA(PG)	NP-7977-A	132 KV MALDA ICT-1	11:58:59	12:08:13	10
95	MALDA(PG)	NP-7978-A	132 KV MALDA ICT-2	12:02:01	12:12:38	10
96	MALDA(WBSETCL)	NP-6480-A	132 KV PGCIL CKT-1	10:32:01	10:24:21	-8
97	MEJIA(DVC)	NP-5226-A	MEJIA END OF MAITHON(PG)-1	10:36:39	10:54:44	18
98	MEJIA(DVC)	NP-5227-A	MEJIA END OF MAITHON(PG)-2	10:39:53	10:53:48	14
99	MEJIA(DVC)	NP-6508-A	MEJIA END OF JAMSHEDPUR (PG)	12:42:54	12:31:05	-11
100	MEJIA(DVC)	NP-6532-A	HV SIDE OF MEJIA GT-2	10:41:39	10:29:53	-12
101	MEJIA(DVC)	NP-6534-A	HV SIDE OF MEJIA GT-1	10:45:20	10:33:38	-12
102	MEJIA(DVC)	NP-6557-A	MEJIA END OF DSTPS (DVC)	10:48:52	10:36:00	-12
103	MEJIA(DVC)	NP-6776-A	MEJIA END OF DSTPP (DVC)	10:47:06	10:32:25	-15
104	MEJIA(DVC)	NP-7493-A	MEJIA END OF JAMSHEDPUR (PG)	10:50:35	11:01:01	11
105	MEJIA(DVC)	NP-7494-A	MEJIA END OF MAITHON(PG)-1	10:35:08	10:45:34	10
106	MEJIA(DVC)	NP-7495-A	MEJIA END OF MAITHON(PG)-2	10:38:22	10:54:11	16
107	MELLI(SIKKIM)	NP-5849-A	66 KV Kalimpong	11:48:53	11:59:42	11
108	MPL	NP-7564-A	400 KV MAITHON (PG)-1 (MAIN)	12:07:31	12:15:07	8
109	MPL	NP-7568-A	HV SIDE OF MAITHON RB GT-1	12:02:22	12:12:22	10
110	MPL	NP-7970-A	400 KV RANCHI (PG)-1 (MAIN)	10:08:15	10:18:13	10
111	MPL	NP-7971-A	400 KV RANCHI (PG)-2 (MAIN)	12:17:13	12:28:01	11
112	MPL	NP-7972-A	HV SIDE OF MAITHON RB GT-2	10:06:41	10:18:34	12
113	MUZAFFARPUR(PG)	NP-5233-A	220 KV HAJIPUR(BSPHCL) LINE-1	05:55:02	06:06:23	11
114	MUZAFFARPUR(PG)	NP-5234-A	220 KV HAJIPUR(BSPHCL) LINE-2	11:56:06	12:04:45	8
115	PATNA(PG)	NP-5271-A	220 KV SIDE OF PATNA ICT-1	12:23:31	12:30:50	7
116	PATNA(PG)	NP-5832-A	220 KV KHAGAUL(BSPHCL)	10:23:36	10:30:20	7
117	PATNA(PG)	NP-5865-A	220 KV PATNA - FATUA	10:14:54	10:22:18	8
118	PATNA(PG)	NP-7838-A	220 KV SIPARA(BSPHCL) LINE-II	10:29:15	10:37:31	8
119	PATNA(PG)	NP-7864-A	220 KV SIPARA(BSPHCL) LINE-I	10:26:30	10:36:22	10
120	PATRATU(JUVNL)	NP-6003-B	132 KV TRANSFER BUS	10:30:27	10:41:53	11
121	PATRATU(JUVNL)	NP-6004-B	132 KV PATRATU (DVC) -1	12:30:24	12:47:34	17
122	PATRATU(JUVNL)	NP-6005-B	132 KV PATRATU (DVC) -2	10:28:41	10:44:42	16
123	PURNEA(BSPTCL)	NP-6088-A	PURNEA END OF PURNEA (PG) -1	02:25:51	02:32:20	7
124	PURNEA(BSPTCL)	NP-6090-A	PURNEA END OF PURNEA (PG) -3	10:24:15	10:31:33	7
125	PURNEA(PG)	NP-6081-A	132 KV PURNEA (BIHAR) -1	11:41:25	11:49:46	8
126	PURNEA(PG)	NP-6083-A	132 KV PURNEA (BIHAR) -3	11:48:03	11:57:49	9
127	PURNEA(PG)	NP-7419-A	220 KV DALKHOLA (PG) -2	11:50:36	12:03:42	13
128	PURNEA(PG)	NP-7420-A	220 KV DALKHOLA (PG) -1	11:49:49	12:02:35	13
129	PURNEA(PG)	NP-7421-A	400 KV MUZAFFARPUR -1	10:07:17	10:18:30	11
130	PURNEA(PG)	NP-7422-A	400 KV MUZAFFARPUR LINE-2	12:06:31	12:19:29	13
131	PURNEA(PG)	NP-7423-A	PURNEA END OF BINAGURI (PG)-2	12:03:55	12:17:29	14
132	PURNEA(PG)	NP-7424-A	PURNEA END OF BINAGURI (PG)-1	12:03:08	12:14:58	11
133	PURNEA(PG)	NP-7828-A	220 KV MADHEPURA(BSPHCL) -1	12:02:21	12:09:36	7
134	PURNEA(PG)	NP-7829-A	220 KV MADHEPURA(BSPHCL) -2	12:01:34	12:12:39	11
135	PURNEA(PG)	NP-7835-A	400 KV BIHARSHARIFF LINE-2	10:08:49	10:17:54	9
136	PURNEA(PG)	NP-7894-A	400 KV BIHARSHARIFF LINE-1	10:08:03	10:20:19	12
137	RANCHI(PG)	NP-7402-A	400 KV RANCHI NEW(PG) LINE-3	09:17:32	09:31:22	14
138	RANCHI(PG)	NP-7406-A	400 KV BARIPADA (PG)	11:12:44	11:24:17	12
139	RANCHI(PG)	NP-7837-A	400 KV RANCHI NEW(PG) LINE-1	09:15:59	09:25:57	10
140	RANCHI(PG)	NP-7873-A	400 KV RANCHI NEW(PG) LINE-4	09:18:19	09:29:04	11
141	RANCHI(PG)	NP-7881-A	220 KV HATIA LINE 1	09:02:41	09:12:15	10
142	ROURKELA(PG)	NP-5930-A	315 MVA ICT -2	12:10:30	12:23:34	13
143	ROURKELA(PG)	NP-5931-A	400 KV JAMSHEDPUR (PG)-2	11:08:38	11:25:38	17
144	ROURKELA(PG)	NP-5933-A	220 KV TARKERA (GRIDCO)-2	12:12:19	12:22:42	10
145	ROURKELA(PG)	NP-7965-A	400 KV RAIGARH (WR)-2	11:05:09	11:13:51	8
146	SIPARA(BSPTCL)	NP-7870-A	220 KV PATNA (PG) LINE-2	10:00:39	10:08:27	8
147	SONNAGAR(BSPTCL)	NP-6013-B	132 KV RIHAND(UPSEB)	12:25:01	12:40:48	15
148	SONNAGAR(BSPTCL)	NP-6015-B	132 KV JAPLA (JUVNL)	10:24:08	10:40:43	16
149	SUBHASHGRAM(PG)	NP-7566-A	315 MVA ICT 4 - 220 KV	12:23:58	12:35:37	12
150	SUBHASHGRAM(PG)	NP-7938-A	400 KV HALDIA LINE 1	11:22:21	11:29:12	7
151	SUBHASHGRAM(PG)	NP-7996-A	315 MVA ICT 3	12:24:45	12:32:32	8
152	SUNDERGARH(PG)	NP-7896-A	400 KV RAIGARH(WR) LINE-1	11:49:36	11:58:02	9
153	SUNDERGARH(PG)	NP-7898-A	400 KV ROURKELA(PG) LINE-1	12:40:23	12:51:51	11
154	SUNDERGARH(PG)	NP-7912-A	400 KV ROURKELA(PG) LINE-2	12:38:49	12:48:04	10
155	SUNDERGARH(PG)	NP-7913-A	400 KV RAIGARH(WR) LINE-2	12:13:02	12:21:46	8
156	TENUGHAT(JUVNL)	NP-6115-A	220 KV BIHARSARIFF(BIHAR)	12:13:44	12:23:39	10
157	TISCO(DVC)	NP-7408-A	400 KV JAMSHEDPUR (PG)	11:13:31	11:23:59	10
158	VEDANTA(IPP)	NP-6527-A	ST-2	11:35:26	11:47:00	12
159	VEDANTA(IPP)	NP-6528-A	GT-2	11:33:39	11:47:30	14
160	VEDANTA(IPP)	NP-6540-A	GT-1	10:32:41	10:46:43	14
161	VEDANTA(IPP)	NP-6543-A	ST-1	11:34:34	11:46:21	12
162	VEDANTA(IPP)	NP-6545-A	400 KV RAIGARH (WR)-2	11:05:56	10:53:56	-12
163	VEDANTA(IPP)	NP-6556-A	GT-4	12:41:10	12:50:48	9

FSTPS STAGE - I & II	ERPC REA	NERPC REA	DIFF
Assam State Electricity Board		15995398	
Dept of Power, Nagaland		3091358	
Deptt of Power, Arunachal		1361209	
Meghalaya State Electricity Board		0	
Power & Electricity Deptt, Mizoram		1015176	
Total	21464176	21463141	-1035

KHTTPS_1	JUNE'15
ARUNACHAL	817679.00
ASSAM	9719551.00
MEGHALAYA	0.00
MIZORAM	603960.00
NAGALAND	1808738.00
TOTAL AS PER NERPC	12949928.00
TOTAL AS PER ERPC	13059922.00
DIFF	-109994.000

KHTTPS_2	JUNE'15
ASSAM	49000363
MEGHALAYA	
NAGALAND	
TOTAL AS PER NERPC	49000363
TOTAL AS PER ERPC	48890363
DIFF	110000

FSTPS STAGE - I & II (oct'15)	Energy(kwh)
Assam State Electricity Board	16526000
Dept of Power, Nagaland	3167953
Deptt of Power, Arunachal	1432240
Power & Electricity Deptt, Mizoram	1043613
Total AS PER NERPC REA	22169806
TOTAL AS PER ERPC REA	22151306
Difference	18500

KhSTPS STAGE - I (Oct'15)	Energy(kwh)
Assam State Electricity Board	10311676
Dept of Power, Nagaland	2379913
Deptt of Power, Arunachal	1074340
Power & Electricity Deptt, Mizoram	793330
Total AS PER NERPC REA	14559259
TOTAL AS PER ERPC REA	14558976
Difference	283

KhSTPS STAGE - I	APRIL'15
Assam State Electricity Board	14803675
Dept of Power, Nagaland	1760084
Deptt of Power, Arunachal	795473
Power & Electricity Deptt, Mizoram	587491
Total Energy NERPC REA	17946723
Total Energy ERPC REA	17912223
Difference	-34500

KhSTPS STAGE - 2	APRIL'15
	NERPC Schedule
Assam State Electricity Board	49507025
Dept of Power, Nagaland	
Deptt of Power, Arunachal	
Power & Electricity Deptt, Mizoram	
Total Energy NERPC REA	49507025
Total Energy ERPC REA	49547525
Difference	40500

Date of Commercial Operation(DOCO) of the Asstes

						Annexure-XIII
A	Transmission System for Phase-I Generation Projects in Jharkhand & West Bangal Part-A2	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	3x80 MVAR Switchable line Reactor of 765kV S/C Gaya - Varanasi line used as Bus Reactor along-with associated bays at Gaya Substation	02/01/16	Rs.2422.66 Cr.(including IDC of Rs. 140.70 Cr.).	SCM meeting of ER on 20.09.10.	15th ERPC meeting on 28.09.10 & 16th ERPC Meeting on 18.12.10	As per New Sharing methodology of PoC
02	765kV S/C Gaya - Varanasi line along-with associated bays at Varanasi(GIS) Substation	21/04/16				
B	Eastern Region Strengthening Scheme-III.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	2nos of 220kV line bays at 400/220kV Chaibasa S/s	03/03/16	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
C	Eastern Region Strengthening Scheme-XII.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	Replacement of existing 100 MVA, 220/132 ICT with 1x160 MVA, 220/132 kV ICT at 220/132 kV Siliguri S/S along with necessary bay eqpt/ protection system at Siliguri S/S.	02/02/16	Rs.522.29 Cr.(including IDC of Rs.33.24 Cr.).	SCM meeting of ER on 27.08.13.	25th ERPC Meeting on 21.09.13	As per New Sharing methodology of PoC
02	Replacement of existing 3rd 100 MVA, 220/132 ICT with 1x160 MVA, 220/132 kV ICT at 220/132 kV Purnea Sub-station	29/02/16				
03	Replacement of existing 315 MVA, 400/220kV ICT I with 500 MVA, 400/220 kV ICT I at Pusauli Sub-station	03/04/16				
D	Eastern Region Strengthening Scheme-XIII.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	Reconductoring of one ckt of Farakka - Malda 400kV D/C TL (ckt -I) with HTLS conductor and upgradation / replacement of assocaited bay equipment at Farakka & Malda	02/04/16	Rs.121.38 Cr.(including IDC of Rs.7.72 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	Reconductoring of one ckt of Farakka - Malda 400kV D/C TL (ckt -II) with HTLS conductor and upgradation / replacement of assocaited bay equipment at Farakka & Malda	02/04/16				
E	Transmisison 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
01	1 no 31.5 MVAR Bus Reactor (1nd) and associated bay at 220kV New Melli GIS S/S	21/03/16	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
02	400kV D/C (Quad) Kishangaj - Patna transmission line along-with assocaited bays at Kishanganj (GIS) including 2 no of 80 MVAR Switchable Line Reactor at Kishanganj (GIS) S/S	28/03/16				
F	Transmisison 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
01	LILO -I of Siliguri - Purnea 400kV D/C line at new pooling station at Kishanganj and associated bays at Kishanganj	18/03/16	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
02	LILO -II of Siliguri - Purnea 400kV D/C line at new pooling station at Kishanganj and associated bays at Kishanganj	18/03/16				
03	LILO -I of Siliguri - Dalkhola 220kV D/C line at new pooling station at Kishanganj and associated bays at Kishanganj	18/03/16				
04	LILO -II of Siliguri - Dalkhola 220kV D/C line at new pooling station at Kishanganj and associated bays at Kishanganj	18/03/16				
05	400kV 125 MVAR Bus Reactor - I with associated bays at Kishanganj (GIS) substation	18/03/16				
06	400/220kV 500 MVA ICT - II with associated bays at Kishanganj (GIS) substation	18/03/16				
G	Augmentation of Trnasformation Capacity in Northern and Eastern Region	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	Replacement of existing 100 MVA, 220/132kV ICT I with 160 MVA, 220/132 kV ICT at 220/132 kV Purnea Sub-station	03/04/16	Rs.30.80 Cr.(including IDC of Rs.1.25 Cr.).	SCM meeting of ER on 08.02.12.	18th ERPC Meeting on 01.07.11	As per New Sharing methodology of PoC
H	ULDC Microwave link & Wide Band Communication Network	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	6 nos. OPGW links under Central Sector assocaited with expansion of wideband communication network in Eastern Region		-	-	-	-
a)	Jamshedpur - Baripada	31/03/16				
b)	Binaguri - Kishanganj	31/03/16				
c)	Dalkhola - Kishanganj	31/03/16				
d)	Binaguri - Rangpo	31/03/16				
e)	Rangpo - Teesta	31/03/16				
f)	Maithon - Kahalgaon	31/03/16				
I	Expansion/ Upgradation of SCADA/ EMS System of SLDCs of DVC, BSPTCL, JUSNL & Sikkim.	DOCO	Approved Cost	Standing Committee Reference	RPC Meeting Reference	Sharing of Charges
01	Expansion/ Upgradation of SCADA/ EMS System of SLDCs of DVC Main Control Centre (Howrah)	08/01/16	-	-	-	-

a)	Installation of New EMS/SCADA platform equipped with Hardware & software at Main SLDC	31/03/16				
b)	Integration of 15nos RTU's with Main control centre on IEC 60870-5-101/104 protocol	31/03/16				
c)	Integration of Main Control Centre DVC with Main and Backup ERLDC on ICCP protocol	31/03/16				
d)	Installation of Auxiliary Power Supply(APS) system for Main Control centre	31/03/16				
e)	Installation of new Video projection System for Main Control Centre	31/03/16				
f)	Installation of new Video conferencing System for Main Control Centre	31/03/16				

Revised schedule sent by ERLDC from December '15 to May'16

Month	Date of mail receipt	Particulars	Constituents affected
December'15	28-12-2015	14/12/15 to 20/12/15	All constituents
January'16	04-01-2016	21/12/15	All constituents
	14-01-2016	15,16,17,18/10/15,23/08/15	WBSETCL
February'16	05-02-2016	03,04,05/01/16	DVC,SR,MPL,APNRL
	08-03-2016	22-28/02/16	All constituents
	14-03-2016	14.11.15	DVC,NVVN,TALCHER SOLAR, WR, SR
		15.11.15	TALCHER SOLAR, NVVN, NR, WR, DVC, GRIDCO
		16.11.15	DVC, TALCHER SOLAR
		17.11.15	DVC, TALCHER SOLAR
		14.01.16	STERLITE, BIHAR, WR
		16.01.16	BIHAR, WR
		06.02.16	WR, SR
		07.02.16	WR, SR
		20.02.16	All constituents
		25.02.16	DVC, SR
	31-03-2016	18/02/16	DVC, GRIDCO,WBSETCL, NER, SR, NR
April'16	01-04-2016	08/03/16	GRIDCO,SR
		14/03/16	DVC,SR
		15/03/16	DVC,NR
		16/03/16	All constituents
May'16	05-05-2016	04/04/16	SR&STERLITE
		05/04/16	SR&STERLITE
		06/04/16	SR&STERLITE
	09-05-2016	11/04/16	Barh,BSEB,JSEB, GRIDCO,SIKKIM
		14/04/16	NVVN-NEPAL
		17/04/16	JSEB,ADHUNIK
		20,21,23,24/04/16	NVVN-NEPAL
		22/04/16	NER,SR,STERLITE,NVVN-NEPAL
	16-05-2016	14/03/2016	DVC,SR,NVVN-NEPAL
		15/03/2016	DVC,NR,NVVN-NEPAL
		16/03/2016	Rangit,Bihar,Jharkhand,DVC,West Bnegal,Sikkim,NVVN-NEPAL
		17/03/2016	NVVN-NEPAL
		18/03/2016	NVVN-NEPAL
		05/04/2016	All constituents
		15/04/2016	NVVN-NEPAL

ERPC::KOLKATA

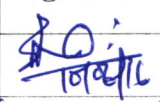
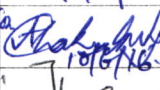

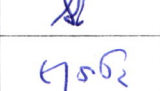
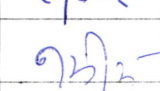
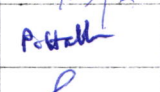
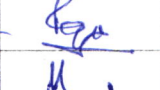

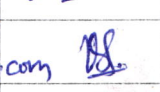
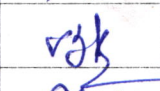
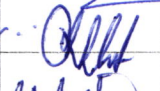
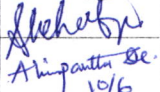
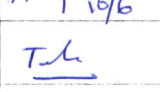



ATTENDANCE SHEET32ND COMMERCIAL SUB-COMMITTEE MEETING (CCM)

DATE: 10.06.2016 (FRIDAY)

TIME: 11:00 HRS

VENUE: ERPC CONFERENCE HALL

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