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No. ERPC/COM-I/GEN/2018/ 4133-4164

Date: 21.02.2018

FAX MESSAGE No.

From: Member Secretary, ERPC

To: As per list.

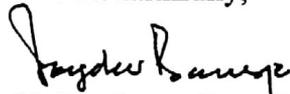
Sub: Minutes of 36th Commercial Sub Committee Meeting of ERPC - Reg

Sir,

The Minutes of the 36th Commercial Sub Committee meeting of ERPC held on 13.02.2018 at ERPC, Kolkata have been finalised and available at www.erpc.gov.in , for kind information and necessary action.

Encl.: As above.

Yours faithfully,

 21/2/18
(J.Bandyopadhyay)
Member Secretary

Distribution List-CC Members:

- 1) Director (Projects), BSPTCL, Patna (Fax:0612 250455).
- 2) Executive Director (Comml.), DVC, Kolkata (Fax: 033 2355 2129)
- 3) Director (Projects), JUVNL, Ranchi (Fax : 0651 2400799 / 2490486).
- 4) Executive Director (RT), WBSEDCL, Kolkata (Fax : 033 2359 8398/2337 3002)
- 5) Chief Engineer (Commercial), WBSETCL, Bidyut Bhavan, Block DJ, Sector-II, Bidhannagar,Kolkata-700091 (033-23591952)
- 6) Chief Engineer, SLDC, WBSETCL, Howrah (033 2688 6232)
- 7) Chief Engineer (Trans), Deptt. Of Power, Govt. Of Sikkim, Gangtok (Fax:03592 228186)
- 8) General Manager (Comml.-ER), NTPC, Corporate Centre, New Delhi (Fax : 011 2436 8417)
- 9) AGM(Comml.), ER-I, Powergrid, Patna (Fax: 0612 2227630)
- 10) AGM(Comml.), ER-II, Powergrid, Kolkata (Fax NO. 033 2357 2827)
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- 13) Asst. General Manager (F&A), Finance Wing, Ohpc, Bhubaneswar(Fax:0674 2542102)
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- 17) Director Of Accounts, TVNL, Ranchi (Fax : 0651 2251296 / 2253181)
- 18) General Manager (R&T), OPTCL, Bhubaneswar (Fax: 0674 2542120)
- 19) Sr.General Manager (PP), Gridco, Bhubaneswar (Fax : 0674 2547180 / 2547261)
- 20) Vice President(Commercial), PTC, New Delhi (Fax: 011 4165 9504)
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- 22) Vice-President (OPN-ER), Tata Power Co. Ltd., Jamshedpur (Fax :0657 2277298)
- 23) Director (GM), CEA, New-Delhi (FAX: 011 2610 9750)
- 24) Member Secretary, NERPC, Shillong (Fax : 0364 2520030) .
- 25) Member Secretary, NRPC, New Delhi (Fax : 011 2686 5206) .
- 26) Member Secretary, SRPC, Bangalore (Fax : 080 22259343) .
- 27) Member Secretary, WRPC, Mumbai (Fax : 022 2837 0193) .
- 28) Head (Commercial), MPL, MA-5 Gogna Colony, P.O- Maithon Dam, Jharkhand-828207, Fax-8860075658
- 29) President (Commercial), APNRL, Crescent Tower, 3rd Floor, Kolkata-700020, Fax-033-3091-5344
- 30) Associate Vice President (CC), GMR Kamalanga Energy Ltd. (GKEL), Bhubaneswar (Fax : 0674 2303994)
- 31) GM (BD&PS), NVVN Ltd, Scope Complex, Core-3, 7th Floor, Lodhi Road, New Delhi-110003
- 32) GM (Power Sales), JITPL, Plot-12, Local Shopping Complex, Sector B-1, Vasant Kunj, New Delhi-110070 (Fax:011 26121734)



**MINUTES OF THE 36TH COMMERCIAL
SUB COMMITTEE MEETING OF ERPC**

Date: 13th February, 2018

Time: 1100 Hrs

Venue: ERPC, Kolkata

**MINUTES FOR THE 36th COMMERCIAL SUB-COMMITTEE MEETING OF ERPC
SCHEDULED TO BE HELD ON 13.02.2018 (TUESDAY) AT 11:00 HRS AT ERPC, KOLKATA**

ITEM NO. 1: Confirmation of the minutes of the 35th Commercial Sub-Committee meeting held on 02.08.2017

The minutes of the 35th Commercial Committee meeting were intimated vide ERPC letter No-ERPC/COM-I/GEN/2017/1885 dated 17.08.2017.No request for amendment has been received by ERPC Secretariat.

Deliberation in the meeting

Members confirmed the minutes of the 35th Commercial Sub Committee meeting.

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

2.1: Payment of Deviation Charge – Present Status.

The status of Deviation Charge payment as on 06.02.2018 is enclosed at **Annexure – I**. The current principal outstanding Deviation Charge of BSPHCL & JUVNL is ₹ 12.45 Cr & ₹ 12.30 Cr respectively considering bill up to 21.01.2018. Moreover, an interest amount of Rs 12.16 Lacs and ₹ 22.45 Lacs (as on 31.01.2018) is also payable by BSPHCL & JUVNL respectively due to delay payment of DSM charges. ERLDC has given many reminders to BSPHCL & JUVNL to liquidate the entire Deviation charges.

Further SIKKIM and IBEUL had not paid deviation charges to the Pool in FY 2017-18 and are waiting for adjustment with the receivable amount.

ERLDC may please update, if any.

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

Deliberation in the meeting

ERLDC informed that BSPHCL had partially liquidated their dues and the present outstanding stood around ₹ 10 Cr. The outstanding against JUVNL is also around ₹10 Cr. The interest amount outstanding is around ₹12.16 Lacs and ₹ 22.45 Lacs against BSPCHCL and JUVNL respectively.

BSPHCL, JUVNL& Sikkim representative were not present.

Member Secretary proposed that ERPC secretariat may write a letter to above constituents to pay the outstanding amount within 10 days, failing which this issue would be kept as an Agenda in the forthcoming TCC meeting.

2.2: Disbursement of Interest due to delayed payment of deviation charges.

ERLDC had received/recovered interest amount of 1.43 Cr from BSPHCL and 1.14 Cr from JUVNL towards interest due to delayed payment of deviation charges in FY 2017-18. Similarly an amount of ₹28,476 towards interest was recovered from APNRL for FY-2016-17. Same amount was paid towards deviation Charges to the receiving constituents and Ancillary services. Final settlement of delayed payment Interest will be done at the end of 2017-18.

Outstanding deviation charges including interest for all the ER constituents (except Vedanta of ₹ 3, 51,637 towards interest) along with Inter-regional Pool during FY 2016-17 are fully settled.

Deliberation in the meeting

ERLDC requested intervention of GRIDCO for resolution of issues related to Vedanta as it is now an embedded entity of the GRIDCO. GRIDCO representative requested ERLDC to write a letter to Vedanta with a copy to GRIDCO so that the issue could be taken up with appropriate authorities.

BSPHCL & JUVNL representatives were absent.

2.3: Reactive Energy Charges – Present Status.

The updated position of Receipt/Payment of Reactive Energy Charges in the pool as on 06.02.2018 (considering bill up to 21.01.2018) is indicated in **Annexure – II**. The total outstanding receivable on account of Reactive charges from WBSETCL/WBSEDCL is ₹ 2.56 Cr, from GRIDCO is ₹ 41.18 Lac & from SIKKIM is ₹1.77 Lac.

Out of the above amount of ₹ 2.56 Cr w.r.o WBSETCL/WBSEDCL, reactive amount receivable from WBSEDCL prior to 04.01.2016 is ₹ 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) which is long pending and not cleared yet.

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

Deliberation in the meeting

ERLDC informed the Reactive amount receivable by the ER Reactive Pool from WBSETCL/WBSEDCL prior to 04.01.2016 is ₹ 1.82 Cr has been pending for a long time. ERLDC requested for early liquidation of the amount.

WBSETCL/WBSEDCL informed they are unable to come to a consensus on this matter of sharing of Reactive energy charges between them for the outstanding dues prior to 04.01.2016.

After the notification of WBERC order, there are no outstanding for the period starting from 04.01.2016 . However, as the order is silent for the period prior to 04.01.2016. As a result, WBSEDCL was unable to get resolve the issue.

2.4: RRAS Account ----Present Status.

The updated position of Payments to the RRAS Provider(s) from the DSM pool and Payments by the RRAS Provider(s) to the DSM pool as on 06.02.2018 (considering bill up to 21.01.2018) is indicated in **Annexure – III**. So far ₹ 208.7 Cr have been settled under RRAS in ER during FY 2017-18.

Deliberation in the meeting

Members noted.

2.5: Congestion account - Present Status

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

Deliberation in the meeting

Members noted.

2.6: Status of PSDF

An amount of Rs 17.59 Cr from Reactive account have been transferred to PSDF after 35th Commercial sub-committee meeting held on 02.08.17. With this the total amount of Rs 939.3 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 06.02.18) is enclosed in **Annexure V**.

Deliberation in the meeting

Members noted.

ITEM NO. 3: Reconciliation of Commercial Accounts

3.1: Reconciliation of Deviation Accounts.

At the end of 3rd quarter of 2017-18, the reconciliation statement (Period: 01.10.17 to 31.12.17) has been issued by ERLDC on 08.01.18 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website at http://erlhc.org/Commercial-ER/Constituents/Reconciliation_17_18/. The constituents were requested to verify /check the same & comments if any on the same were to be reported to ERLDC by 31.01.2018. The status of reconciliation is enclosed in **Annexure-VI**.

BSPHCL, JUVNL, DVC, SIKKIM, GMR, TPTCL (DAGACHU) & JLHEP (DANS Energy) have not signed reconciliation statement for last two or more quarter of 2017-18.

Further NHPC, JITPL, BRBCL & TASHIDING have not signed reconciliation statement for 3rd Quarter of 2017-18.

IBEUL & Teesta-III have not yet signed any reconciliation statement since becoming regional entity. 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.

Deliberation in the meeting

ERLDC informed that the reconciliation statements had been sent to the respective constituents and the same was also uploaded at ERLDC website. However, most of the constituents have not signed reconciliation statement for last two or more quarters of F.Y 2017-18.

BSPHCL, JUVNL, SIKKIM, GMR, TPTCL, JLHEP, BRBCL & TASHIDING did not attend the meeting.

ERLDC informed that DVC & BRBCL have reconciled the statement for pending quarters.

NHPC representative sent the reconciliation statements on 12/02/2018 for the last two quarters. Remaining constituents were requested to submit the reconciliation statements at the earliest.

3.2: Reconciliation of Reactive Account

At the end of 3rd quarter of 2017-18, the reconciliation statement (Period: 01.10.17 to 31.12.17) has been issued by ERLDC on 09.01.18 and statements had been sent to the respective constituents and also uploaded the same at ERLDC website (www.erldc.org). Constituents were requested to verify /check the same & comments if any on the same were to be reported to ERLDC.

Deliberation in the meeting

GRIDCO & WBSETCL have reconciled the Reactive Account statements.

SIKKIM representative was absent.

3.3: Reconciliation of RRAS Account

At the end of 3rd quarter of 2017-18, the reconciliation statement (Period: 01.10.17 to 31.12.17) has been issued by ERLDC on 09.01.18 and statements had been sent to the respective constituents (NTPC and BRBCL) and also uploaded the same at ERLDC website (www.erldc.org). NTPC & BRBCL has already reconciled the RRAS Account.

Deliberation in the meeting

Members noted.

3.4: Reconciliation for STOA payments made to SLDC / STU:

The reconciliation statements of STOA payments for Quarter-I(Apr-17 to Jun-17), Quarter-II(Jul-17 to Sep-17) and Quarter-III(Oct-17 to Dec-17) of 2017-18 have been sent to the DVC, OPTCL and WBSETCL for checking at their end and confirmation.

WBSETCL is yet to confirm for Quarter-II and Quarter-III of 2017-18. DVC and OPTCL is yet to confirm for Quarter-III of 2017-18.

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.

Deliberation in the meeting

WBSETCL informed that they would check reconciliation statements of STOA payments and revert back soon. DVC & OPTCL informed that they would get reconciliation completed at the earliest.

3.5: Reconciliation for payments received from STOA applicants:

The reconciliation statements of STOA payments for Quarter-I(Apr-17 to Jun-17), Quarter-II(Jul-17 to Sep-17) and Quarter-III(Oct-17 to Dec-17) of 2017-18 have been sent to CESC, GMRKEL, JITPL, JUVNL, SAIL-RSP, TSFAP Bamnival, TSFAP Joda, TSL Kalinganagar, MPL and WBSEDCL for checking at their end and confirmation.

- CESC, JITPL, TSFAP Joda and TSFAP Bamnival has confirmed for the entire period.
- GMRKEL and MPL are yet to confirm for Quarter-III of 2017-18.
- JUVNL is yet to confirm for Quarter-II and Quarter-III of 2017-18 .
- SAIL-RSP is yet to confirm for Quarter-I, Quarter-II and Quarter-III of 2017-18.
- TSL Kalinganagar is yet to confirm for Quarter-I and Quarter-II of 2017-18.
- WBSEDCL is yet to confirm for Quarter-II of 2017-18.

As per clause 15.1 of CERC approved STOA bilateral procedure since the confirmations have not been received within 2 weeks from the date of issuance of the letters the statement issued by ERLDC have been deemed to be reconciled. The details is attached in the **Annexure-VII**

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

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

Deliberation in the meeting

JUVNL, GMR & MPL representative were not present.

ERLDC informed that WBSEDCL has confirmed the statement on 12.02.2018.

All beneficiaries were requested to get the statements reconciled so that audit issues could be avoided.

ITEM NO. 4: STU and SLDC Transmission & Operating charges.

4.1: State Transmission Utility Charges and Losses applicable for STOA for FY 2017-18

As available with ERLDC the STU charges and losses to be considered for STOA for FY 2017-18 are as follows:

Name of STU	Intra-State Transmission Charges	TRANSMISSION LOSS (For Embedded entities)
WBSETCL	*	3.10%
DVC	Rs. 80 / MWh	2.68%
OPTCL	Rs. 62.5 / MWh	3.50%
JUSNL	*	#
BSPTCL	*	#
SIKKIM	*	#

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

Not yet intimated by the State Utility.

4.2: State Load Despatch Centre Operating Charges for STOA for FY 2017-18

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

** Indicates rates yet to be furnished by concerned State Utilities.

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

Deliberation in the meeting

WBSETCL intimated that intra-state transmission charges for West Bengal are Rs 1, 63,374.36 ₹/MW/Month for LTA and Rs 1361.45 ₹/MW/Day for STOA charges as per the latest WBERC regulation

WBSLDC informed that the SLDC charges are 1.5% of transmission charges and 0.5% of transmission charges for Renewable Energy Sources.

ERLDC requested constituents to inform immediately regarding revision of transmission loss, Intra state transmission charges, Operating charges of SLDC, etc through letter/email.

Further, it was emphasized in the meeting that there should be uniformity in the tariff pattern throughout the country issued by the state commission and central commission either in MWhr or in Rs/MW.

ITEM NO. 5: Information of Deviation/reactive payment in ERpool 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

Deliberation in the meeting

ERLDC informed WBSETCL had started sending the required format copy through the mail and DVC is sending through hard copy. ERLDC once again requested the members to give the above information for identification of the transactions.

Members agreed.

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 2017-18 by ER constituents is given in **Annexure - VIII**. Letters to this effect has already been issued by ERLDC to the defaulting entities viz, GMR, IBEUL, JUVNL & JITPL. GMR, IBEUL & JUVNL has not opened/renewed the LC. JITPL LC is going to expire on 08.02.18. Rest of the constituents to whom LC were required to open/recoup the LC, have opened/recoup the LC.

JUVNL, GATI, SIKKIM and IndBarath may please intimate the latest status.

Deliberation in the meeting

ERLDC informed that GATI & SIKKIM had opened their LC.

JUVNL, GMR and IndBarath were not present in the meeting.

ITEM NO. 7: Updating of CT/PT Ratio

The meter details along with the CT/PT ratio has been uploaded at ERLDC website (www.erldc.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.

Deliberation in the meeting

Members noted

ITEM NO. 8: Meter reading related issues

8.1: Erroneous recording of data by Interface Meters

8.1.1: Sundergarh (PG)

Sundergarh (PG) end meter ER-1062-A installed for 765 KV Dharamjaygarh line-1 is recording Less (10-12 %) reading as compared to Dharamjaygarh end meter data since charging of the Line i.e 15.01.18. The above problem was informed to Sunderagarh (PG) on 24.01.18 through email with request to check CT and PT connection at Sundergarh and resolve the issue. At present accounting of ER_WR is being done with Dharamjaygarh meter. Also Meter data validation of the aforesaid line is not possible until meter data at Sunderagr end is correct.

PGCIL may please update

Deliberation in the meeting

ERLDC suggested for replacement of the meter at Sundergarh (PG).

PGCIL representative assured that the replacement of meter would be done by 28.02.2018.

8.1.2: Jeypore (PG)

Jeypore (PG) end meter ER-1096-A installed for 220 KV Jeynagar (OPTCL) line-1 is recording 2/3rd reading as compared to Jeynagar end meter data since 11.01.18. The Line was in shut down for 4-5 hrs and the problem started after charging of the Line. The above problem was informed to PGCIL through email with request to check Healthiness of meter as well as CT and PT connection along with PT Fuse at Jeypore. GRIDCO Drawl is being computed with Jeynagar end meter data and meter data validation of the aforesaid line is affected since 11.01.18.

PGCIL may please update the status.

Deliberation in the meeting

PGCIL representative informed that CT Ratio has been changed from 1000/1 to 800/1 to have better accuracy of measurement. ERLDC informed that issue is now resolved.

8.2: Non-Receipt of SEM data from Various Locations

8.2.1: Birpara (WBSETCL)

SEM data of Birpara (PG) end of 132kV Birpara(PG) Line-1 end is not being sent to ERLDC since last 2 months. The said meter is also not reporting data in AMR. It was gathered from Vendor of WBSETCL that meter is not responding and subsequently ERLDC requested PGCIL Birpara to check the meter at WBSETCL end and replace the meter if required. However ERLDC didn't get any further update on that. Due to non-availability of meter data from WBSETCL end, Validation of the line flow couldn't be done.

PGCIL/WBSETCL may please respond.

Deliberation in the meeting

ERLDC had requested PGCIL, Birpara Substation to check the meter at WBSETCL end . It was reported that the meter was not functioning. Thereafter, ERLDC had suggested to replace the meter at WBSETCL end.

PGCIL representative assured to replace the meter by the end of the February,2018.

8.2.2: Motihari (BSPTCL)

132 kV Motihari (BSPTCL) - Motihari(DMTCL) D/C line has already been charged and line is loaded since 06.08.17. Meter data of BSPTCL end was sent in few weeks after that meter data is not being sent to ERLDC on regular basis.

BSPTCL may please respond.

Deliberation in the meeting

BSPTCL representative was not present.

ERLDC informed the BSPTCL are not sending the data regularly to ERLDC.

8.2.3: NPGC (BSPTCL)

Issue of Non receipt of Meter data from NPGC has been regularly discussed in last few OCC Meetings. In 141st OCC Meeting held on 18.01.2018, BSPTCL informed that new meter is received at NPGC and it would be installed within 2 days. Till now ERLDC has neither received the details of new meter nor the meter data.

BSPTCL may please respond.

Deliberation in the meeting

BSPTCL representative was not present.

8.3: Reverse Polarity of meter

Following meters installed at different Locations are connected in Wrong/Reverse Polarity since installation of meters which needs to be corrected. The matter has already been informed to respective Sub stations through e mail and telephonically.

Location	SEM S. No	Line	Responsibility	Present Status
Jamtara(JUVNL)	NP-6110-A	132 KV Jamtara-Maithon	JUVNL/PGCIL	Same
Raxaul(BSPTCL)	ER-1248-A ER-1249-A	132 KV Raxaul-Motihari DMTCL D/C Line	BSPTCL/PGCIL	Same
EMSS(CESC)	ER-1121-A ER-1126-A	220 KV EMSS- Subhashgram	CESC/PGCIL	Same
Darbhanga(DMTCL)	ER-1272-A ER-1273-A	400 KV Darbhanga DMTCL-Muzafarpur D/C Line	DMTCL/PGCIL	Same

BSPTCL/JUVNL/CESC/DMTCL/PGCIL may correct the Polarity of the meters at their end.

Deliberation in the meeting

ERLDC informed that Polarity of both meters at EMSS(CESC) end has been corrected.

JUVNL, BSPTCL & DMTCL representatives were not present.

8.4: Installation of Check & Standby Meters at Tie Lines

Subhashgram, New Town &Bantala(WB)

Issue of Installation of Meters at Subhasgram, New Town &Bantala (WB) was regularly discussed in last few OCC Meetings. Due to the meter related issue energy accounting and its validation is being affected.

Issue	Location	Line	Responsibility	Problem Since	Present Status
Installation of Check/Standby meter	1.Subhashgram(WB)	220 KV Subhasgram(PG) D/C	WBSETCL/PGCIL	Charging of Line	As informed by PGCIL in 141 st OCC, Meter is available at Subashgram and the same to be collected by WBSETCL and to be put into service.
	2. New Town(WB)	220 KV Subhasgram(PG) S/C	WBSETCL/PGCIL	Charging of Line	
	3. Bantala(WB)	220 KV Subhasgram(PG) S/C	WBSETCL/PGCIL	Charging of Line	
	4. EMSS(CESC)	220 KV Subhasgram(PG) D/C	WBSETCL/PGCIL		Meter ER-1121-A is still Time drift of 6 hrs.

In 141st OCC, WBSETCL informed that their testing team was looking after the issue and it to be discussed in 63rd PCC Meeting scheduled to be held on 18th January 2018. ERLDC is yet to receive the details of meter as well as data of those meters. EMSS end meter Time correction is not done properly.

PGCIL/ WBSETCL may please further update the status.

Deliberation in the meeting

WBSLDC representative informed the installation of meter has been done on 9th Feb, 2018 at 220 KV Subhasgram(PG) Substation.

ERLDC informed that they are not getting data from those meters. ERLDC informed that the details of meter like Serial no and CT Ratio etc. has been received.

ITEM NO. 9: Implementation of Automatic Meter Reading in Eastern Region

The implementation of AMR 3rd phase for 37 locations was last discussed in 36th TCC/ERPC meeting held on 13.09.17 & 14.09.17 and it was informed by PGCIL that all 37 locations has been integrated to AMR. There are few locations Like Balimela, Lakisarai(PG), Gyalesing(Sikkim), Sagbari, TUL, Alipurduar, Atri&Samangara wherein AMR is yet to be integrated.

The list of 16 new locations with 68 Meters & 25 existing locations with 68 meters to be implemented in AMR is enclosed in **Annexure-IX**.

Presently we are receiving data from 125 locations out of total 147 locations through AMR. The latest status of data receipt from the locations as below:

- Number of meters for which AMR has been commissioned-820 meters/163 DCUs
- Number of Meter & locations as per LOA/Phase-I 458 meters/97 locations.
- Number of Meter & locations as per LOA/Phase-II 198 meters/19 locations.
- Number of Meter & locations as per LOA/Phase-III 249 meters/37 locations.
- Number of meters for which data is received: 690
- Number of locations for which data is received: 125 locations
- Number of DCUs online-130 DCU
- Number of DCUs offline-33 DCU

After the phase-wise completion of AMR for the locations commissioned, some of the utilities have been asked to discontinue the sending of the weekly SEM data through mail. However, in case of an emergency or communication failure, as the case may be, the utilities may download the data through DCD/Laptop and send it by mail. As such DCD is required to be kept in charged condition. Of late, there have been issues with the GPRS communication/DCU for around 10 locations.

POWERGRID may take up the issue on priority basis with the vendor and update the latest status of implementation and completion of the 3rd Phase of AMR.

Deliberation in the meeting

ED, ERLDC lauded Powergrid for successful completion of the 3rd phase of AMR project. Now all the meters are reporting ERLDC through AMR which, in turn, reduces a lot of difficulties faced by drifting and time correction by the meters.

Presently ERLDC have been receiving data from 125 locations out of total 147 locations through AMR.

The list of 16 new locations with 68 Meters & 25 existing locations with 68 meters to be implemented in AMR through 4th phase of AMR project.

ITEM NO. 10: Time correction of SEMs in Eastern Region- Replacement of heavily drifted SEMs

The issue was discussed in 35th TCC/ERPC meetings and it was felt that the meters with severe drift greater than 10 min need to be replaced first and if replacement is done with Genus then readings are to be collected manually using Laptop till interfacing with AMR is completed. Subsequently drifted meter replacement work of Phase –I for 24 meters and Phase-II for 23 Meters have been completed.

In 141st OCC, List of 22 drifted meters to be replaced in Phase-III was placed and Power grid informed that replacement work of Phase III would be started after collecting the SEMs.

*The List of those SEMs is enclosed in **Annexure-X**.*

Powergrid may please further update the status. Members may please discuss.

Deliberation in the meeting

Powergrid assured that, after delivery of the second lot of Genus meters by the end of the March, 2018, action for time correction of heavily drifted meters and implementation of the AMR project be started.

ITEM NO. 11: Non-submission of weekly SEM readings by Tuesday noon from non-AMR Locations/ faulty AMR locations/ Genus meter 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. Recently Genus meters are installed at many locations in Eastern Region and integration of Genus meter in AMR is under progress, data of Genus meters from those locations which are yet to be integrated in AMR are being sent manually. It was also gathered that if concerned person responsible for data downloading is on Leave or not available, meter data is not being sent from those substations.

However general trend of receipt of meter data in last few months is as below:

By Wednesday or later: Birpara, Baripada, Pandiabili, NTPC Farakka, WBSETCL (North Bengal, PPSP, Kharagpur) & SIKKIM

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

Deliberation in the meeting

Constituents were requested to send the data on time.

WBSETCL assured to do the needful to get the meter readings to ERLDC on time.

ERLDC informed that due to non-integration of Genus meters in AMR, some of the streamlined stations were also going in default mode.

ED, ERLDC informed that introduction of 5 minutes scheduling and dispatch were being actively discussed by the policy makers and might become a reality in near future. In such a scenario, current SEM's need to be either retrofitted or replaced by 5 minute meters. ERLDC suggested that Powergrid should start discussing with the vendors of existing meters for options available.

ITEM NO. 12: Procurement of new SEMs

In 30th ERPC meeting procurement of 965 no of SEM's and 110 nos of Laptop/DCD (in 111th OCC meeting) was approved. Further 31st TCC/ERPC approved the cost sharing mechanism of expenditure on SEM's and DCD/Laptops along with POWERGRID overhead charges @ 15% to be shared by the beneficiaries constituents of Eastern Region in proportional to the share allocation for the month in which the proposal was approved in the ERPC meeting.

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

Out of 300 meters delivered so far, around 200 meters is already installed/ replaced at different locations in ER. Time drifted meters/Elster meters are to be replaced by Genus meters phase wise.

Powergrid may further update the status of meter delivery of 2nd phase.

Deliberation in the meeting

Powergrid assured that, after delivery of the second lot of Genus meters by the end of the March,2018, action for time correction of heavily drifted meters and implementation of the AMR project be started.

ITEM NO. 13: Replacement of Elster Meters

In Eastern Region, 28 nos of Elster make meters had been installed at 5 locations (Teesta-III, New Melli, Alipurduar, New Ranchi & Kishanganj) initially due to scarcity of meters. As informed by M/s TCS (also Confirmed by PGCIL) Elster make meters can't be integrated in AMR system with existing DCU. Out of the above 28 Meters, 14 Nos of meters was already requested to replace in 3rd Pahse of Meter replacement of Heavy drifted Meters, remaining 14 no of meters may also be replaced by Genus so that all those locations may also report data in AMR after integration with DCU. List is enclosed in **Annexure-XI**.

Powergrid may please update on the issue.

Deliberation in the meeting

Powergrid assured that, after delivery of the second lot of Genus meters by the end of the March,2018, action for time correction of heavily drifted meters and implementation of the AMR project be started.

ITEM NO. 14: Implementation of 5-Minute Scheduling, Metering, Accounting and Settlement in Eastern Region-- metering issues.

The 15-minute scheduling, metering, accounting and settlement system has been implemented in India in 2002-2003 with genesis in the CERC order on Availability Based Tariff (ABT) mechanism. Government of India (GoI) has set the Renewable Energy (RE) target of 175 GW by 2022. The need for implementing a 5-minute scheduling and settlement at the Inter State level is being felt considering the variability of load and renewable especially considering increasing RE penetration in the coming years. Worldwide, it has been recognized that shorter settlement period such as 5-minute scheduling and settlement offered a lot of advantages, particularly in terms of reduction in the requirement of reserves, robust price discovery and bringing out the value of flexibility.

FOR Technical Committee appreciated the need to move to 5-minute scheduling and settlement and formed a Sub-Group to examine the issue.

The Sub-Group in its meetings decided as below:

- All RPCs may discuss the 5-minute scheduling and settlement
- NPC to follow up the status of amendment of metering standards with CEA and also place the required amendments as agenda item in the next NPC meeting.
- CTU to facilitate collection of the region-wise data on type, vintage and location of existing meters along with proposed procurement process.
- Need for capacity building for better forecasting and scheduling - SLDCs to coordinate with RLDCs/NLDC. Interactive sessions may be organized at different RPCs for generation of ideas and solutions.
- In view of SAMAST implementation, the states who are about to implement the intrastate accounting and settlement system could leapfrog and go for scheduling and settlement at 5- min interval.

Commercial Committee may discuss.

Deliberation in the meeting

ERLDC representative gave a presentation on the Implementation of 5-Minute Scheduling, Metering, Accounting and Settlement including the metering issues in the Eastern Region.

A copy of the presentation is attached with these minutes.

MS, ERPC observed that the introduction of 5-minutes scheduling would bring many challenges as well as opportunities. He suggested to include this as an Agenda item for the forth coming TCC meeting.

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

All Regional entities are 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, Rangit, Teesta-V, NTPC ER-I(HQ), Talcher NTPC, GMR, BRBCL and GRIDCO have been received by ERLDC.

In 35th CCM, it was greed by members that SLDC Chief in case of states and Station Head in case of generating station may be taken to be nodal officers for coordinating meter related issues

It is once again requested to furnish the details like Name, designation, Mailing address, Landline No, Fax No, Email Id, Mobile No etc. of SLDCs chief & Station Head to ERLDC for smooth transaction of SEM data.

Members may please update.

Deliberation in the meeting

PGCIL representative furnished the details of the nodal officers: for ER-1:Rajesh(Asst GM), Mob:09431821127 ,ER-2: Partha Ghosh (DM), Mob:09434748263.

ERLDC requested that, in case there was some change in the details, the same may be intimated at the earliest.

ITEM NO. 16: Agenda items by WBSEDCL

During real time contingency, WBSEDCL avails URS power from the NTPC power stations from which WBSEDCL has GOI allocation & Bundle power allocation to mitigate shortfall. The detailed % share allocation table in respect of WBSEDCL from different power stations of NTPC is furnished below:

...	% share				
	Farakka stage I&II	Farakka stage III	Kahalgaon stage I	Kahalgaon stage II	Talcher stage I
GOI allocation	30.54	31.28	0.00	0.00	9.10
Bundle power allocation	0.92	0.92	0.92	0.92	0.92

TOTAL	31.46	32.20	0.92	0.92	10.02
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During allocation of URS power from Farakka&Talcher, it is nowhere mentioned in the schedule that from which head the URS power is being allocated. But during billing it is noticed that the variable cost of part URS power in proportion of the bundle power share is claimed by NVVNL as a nodal agency of Bundle power with an additional charge of 7paise per unit as trading margin. As in URS availability windows of ERLDC scheduling software, the head wise back down of beneficiaries or the head wise URS availability is not segregated, it is creating doubt in real time operation that whether allocated URS is from the back down energy of bundle power or non bundle power by the other beneficiaries. Hence to avoid such confusion a suitable practice may be framed for the sake of transparency on the issue & also to ensure the proper merit order dispatch of NTPC URS power.

Members may please discuss.

Deliberation in the meeting

WBSSEDCL elaborated the issue in the meeting.

It was decided in the meeting that both ERLDC and ERPC would examine the issue in details and would revert back.

ITEM NO. 17: Agenda items by POWERGRID.

17.1: 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 Company Limited(NBPDCL)	9.73	29.00
South Bihar Power Distribution Company Limited(SBPDCL)	8.89	40.00
Ind-Bharat Energy (Utkal) Limited	--	20.68

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.

Members are requested to utilize their good office and resolve the matter.

Deliberation in the meeting

BSPHCL/BSPTCL representatives were not present.

Members decided to take up this agenda in TCC meeting.

17.2: Payment of Outstanding dues more than 60 days :

Amount(in Cr.)

SI No	Total Outstanding dues	Outstanding due more than 60 days
Vedanta Ltd.	23.81	23.81
GMR Kamalanga Energy Ltd.	16.11	9.52
Navabharat Power Pvt. Limited	8.56	8.56
Jindal India Thermal Power Limited	12.41	12.41
Monnet Power Company limited*	10.70	10.70
LancoBabandh Power Private Limited	6.46	6.46
Ind-Bharat Energy (Utkal) Limited	179.41	165.61
Damodar Valley Corporation(DVC)	146.27	128.83
West Bengal State Electricity Distribution Company Ltd.(WBSEDCL)	93.04	8.03
GRIDCO Ltd	23.26	23.26
Total	520.03	397.19

*The Bills/Letters to their Generation unit at Angul, Odisha& Registered office, Greater Kailash,New Delhi. They have refused to acknowledge.

Members are requested to kindly intervene in the matter.

Deliberation in the meeting

DVC informed that there was a petition before APTEL regarding the LTA dispute.

WBSEDCL requested for the breakup of total outstanding dues.

It was decided to discuss in TCC meeting.

17.3: List of Assets commissioned by POWERGRID.

List of Assets commissioned by POWERGRID is enclosed in Annexure XII

Deliberation in the meeting

Members Noted.

17.4: Commissioning of 400 kV D/C(Quad) Nabinagar II – Gaya Transmission line along with bays:

400 kV D/C(Quad) Nabinagar II – Gaya Transmission line along with 2nos associated bays at Gaya substations under “Associated Transmission System for Nabinagar-II TPS(3x660MW) is going to be charged on **28.02.2018**.

As per the Investment Approval, the commissioning schedule of the project is **38 months** from the date of Investment Approval. The date of Investment Approval is **02.04.2016** hence the assets are to be commissioned in the progressive manner upto June 2019 and put under commercial operation w.e.f. 01.06.2019 against which the above asset is anticipated to be commissioned and put under commercial operation by **28.02.2018**.

There is no time overrun from schedule date of commissioning as given in the investment approval. As the asset is commissioned with-in time frame of CERC Regulation 2014-19 additional **ROE 0.5 % may be allowed**.

Powergrid may please elaborate the issue and members please discuss.

Deliberation in the meeting

Powergrid elaborated the issue to members. Powergrid explained that the Commissioning of 400 kV D/C(Quad) Nabinagar II – Gaya Transmission line along with bays is satisfying the various clauses of tariff order 2014-19.

As per clause 24 (iii) (which was reproduced below):

‘additional RoE of 0.50% may be allowed if any element of the transmission project is completed within the specified timeline and it is certified by the Regional Power Committee/National Power Committee that commissioning of the particular element will benefit the system operation in the regional/national grid’

After detailed deliberation, no consensus could be arrived regarding additional ROE of 0.5% .

It was decided to refer the issue to the TCC.

ITEM NO. 18: Agenda items by NHPC

18.1: Signing of reconciliation statement.

The 3rd quarter of F.Y 2017-18 reconciliation statements which have been already sent to beneficiaries on dated 16.01.2018 are requested to be signed on priority in respect of GRIDCO, DVC, WBSEDCL, Sikkim and Jharkhand.

NHPC may update. Beneficiaries may like to respond.

Deliberation in the meeting

DVC informed that reconciliation statement has already been sent. GRIDCO, WBSEDCL assured that the signed reconciliation statements would be sent by the next week.

18.2: Payment of Late Payment Surcharge by WBSEDCL.

The total amount of LPS Rs.29.92Cr, out of which Rs 1,13,68,351/- is against energy supplied from Rangit&Teesta Power Stations and Rs 28.78 Crs. Against energy of TLDP-III is still pending despite direction of MoP and our consequent repeated requests. As per Section-B, Clause - 3 of meeting held on dated 09.11.2017 under chairmanship of ShriVishal Pal Singh ,Deputy Secretary (H-11),WBSEDCL was directed to pay the entire amount (Rs.29.93 Crs) at soonest possible.

WBSEDCL may confirm the program for payment.

Deliberation in the meeting

WBSEDCL confirmed to take expeditious action.

18.3: 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.

NBPDCL,SBPDCL and JBVNL have not yet provided the LC of requisite amount and requested to open L.C amounting to Rs.6.85 Crs, Rs 9.07 Crs and Rs.8.47 Crs respectively at the earliest being statutory requirements as per PPA.

NHPC may elaborate. Beneficiaries may like to respond.

Deliberation in the meeting

NBPDCL, SBPDCL and JBVNL were not present.

Members decided to discuss this agenda in the TCC meeting.

18.4: 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.

Deliberation in the meeting

GRIDCO informed that the decision on PPA with Tawang H.E project is pending. WBSEDCL informed that the revised draft of PPA will be sent at earliest.

The meeting ended with thanks to the chair.

SUMMARY OF DEVIATION CHARGE RECEIPT AND PAYMENT STATUS

BILL UPTO 21.01.18 (Week -42 of 2017 - 18)

Last Payment Disbursement Date - 06.02.18

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
WR	15.21672	0.00000	213162.74086	210724.58745	-2422.93669
SR	59662.79325	57664.69530	1949.69432	1996.29043	2044.69406
NER	82221.57044	83846.32536	4167.45508	4167.45508	-1624.75492
NR	35679.32904	34580.00968	6579.51941	5345.94081	-134.25924
BSPHCL	11440.77354	10109.05911	86.21581	0.00000	1245.49862
JUVNL	7905.13157	6671.62753	2.81650	0.00000	1230.68754
DVC	7984.81596	7984.81596	2738.95914	2717.70495	-21.25419
GRIDCO	17976.13416	17650.87223	499.59727	1374.61594	1200.28060
WBSETCL	21857.97255	21471.94062	0.00000	19.21540	405.24733
SIKKIM	451.12768	0.00000	569.14621	242.21842	124.19989
NTPC	7772.20372	7735.62777	56.81036	69.14964	48.91523
NHPC	0.00000	0.00000	2147.45370	2106.41421	-41.03949
MPL	120.39243	100.21070	471.41211	471.41211	20.18173
STERLITE	0.00000	0.00000	0.00000	0.00000	0.00000
APNRL	307.80879	152.42236	201.89761	0.00000	-46.51118
CHUZACHEN (GATI)	42.43510	42.43504	320.47820	319.95746	-0.52068
NVNV (IND-BNG)	279.39906	256.30819	241.70377	244.38748	25.77458
JITPL	393.23110	393.24229	719.37103	708.43739	-10.94483
GMR	148.75835	47.76643	1543.33169	1496.20680	53.86703
IND BARATH	92.45858	0.00000	0.00000	0.00000	92.45858
TPTCL(DAGACHU)	1789.16796	1729.07440	36.08101	36.24336	60.25591
JLHEP (DANS ENERGY)	575.24233	520.71137	199.75178	199.72818	54.50736
BRBCL(NABINAGAR)	191.81421	209.81556	850.02373	853.22229	-14.80279
NVVN (IND-NEPAL)	944.26766	927.78670	382.64592	392.10200	25.93704
HVDC SASARAM	2.33430	2.33430	98.27192	97.10608	-1.16584
HVDC-ALIPURDUAR	0.90856	0.90856	88.63301	82.43488	-6.19813
TEESTA-III(TUL)	1036.14766	1036.12766	1310.95066	1308.91624	-2.01442
DIKCHU	53.96014	53.96016	517.56329	516.17818	-1.38513
Tashiding (THEP)	73.81559	51.06203	61.69695	61.69695	22.75356
OPGC	0.03626	0.00000	0.00000	0.00000	0.03626
Pool Balance	0.00000	649.69506	-4616.73798	0.00000	3967.04292
Addl Deviation charge	13272.34130	20906.84774	0.00000	0.00000	-7634.50644
IRE	0.00000	0.00000	118.68184	0.00000	-118.68184
VAE	0.00000	0.00000	11232.52739	0.00000	-11232.52739
TOTAL	259019.24671	253239.13931	245738.69259	235551.62173	

	% Realization	97.77	As on	06.02.18
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	

STATUS OF REACTIVE CHARGES

RECEIVABLE IN ER POOL AS PER PUBLISHED A/C UPTO 21.01.18 (2017 -18)
AS ON 06.02.18

CONSTITUENT	AMOUNT RECEIVABLE IN THE POOL (Rs.)	AMOUNT RECEIVED IN THE POOL (Rs.)	TOTAL OUTSTANDING(Rs.)
BSPHCL	378537	378537	0
JSEB	1137688	1137688	0
DVC	357122	357122	0
GRIDCO	235533541	231414556	4118985
WBSETCL	525917884	500268147	25649737
SIKKIM	502926	325817	177109
TOTAL	763827698	733881867	29945831

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

Annexure - III

SUMMARY OF RRAS CHARGE RECEIPT AND PAYMENT STATUS

BILL from 03.04.17 to 21.01.18 (upto Week - 42 of 2017 - 18)

Last Payment Disbursement Date -06.02.18

Figures in Rs. Lakhs

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

SI No	Nature of Amount	Amount transferred to PSDF (Rs in Lac)	Date of Disbursement	Cheque No	Remarks
1	Opening Balance (upto 31.03.16)	86464.58111			
2	Addl. Dev	83.33978	01.04.16		Addl Dev Charge 15-16
3	Addl. Dev	43.77416	05.04.16		Addl Dev Charge 15-16
4	Addl. Dev	31.83984	07.04.16		Addl Dev Charge 15-16
5	Addl. Dev	52.08622	11.04.16		Addl Dev Charge 15-16
6	Addl. Dev	107.23773	13.04.16		Addl Dev Charge 15-16
7	Addl. Dev	220.15330	19.04.16		Addl Dev Charge 15-16
8	Addl. Dev	76.84824	21.04.16		Addl Dev Charge 15-16
9	Addl. Dev	20.84026	26.04.16		DSM Interest 2014-15(Paid by APNRL)
10	Addl. Dev	10.01920	26.04.16		Addl Dev Charge 16-17
16	Addl. Dev	432.25696	28.04.16		Addl Dev Charge 16-17
17	Addl. Dev	117.08707	02.05.16		Addl Dev Charge 16-17
18	Addl. Dev	41.65418	04.05.16		Addl Dev Charge 16-17
19	Addl. Dev	114.33049	06.05.16		Addl Dev Charge 15-16 & 16-17
20	Deviation Interest	38.50018	06.05.16		Deviation Interest
21	Addl. Dev	35.54178	10.05.16		Addl Dev Charge 16-17
22	Addl. Dev	448.87953	31.05.16		Addl Dev Charge 16-17
23	Addl. Dev	170.51274	29.06.16		Addl Dev Charge 16-17
24	Reactive Charges	530.57497	28.09.16		Reactive Charges_15-16
25	Reactive Charges	1000.00000	26.12.16		Reactive Charges_16-17
26	Reactive Charges	779.39811	14.02.17		Reactive Charges_16-17
27	Reactive Charges	500.00000	29.03.17		Reactive Charges_16-17
28	Reactive Charges	203.61904	26.04.17		Reactive Charges_16-17
29	Reactive Charges	394.80618	30.05.17		Reactive Charges_16-17
30	Reactive Charges	256.53944	28.06.17		Reactive Charges_16-17
31	Reactive Energy Charge	248.26904	31.07.17		Reactive Charges_17-18
32	Reactive Energy Charge	128.44284	29.08.17		Reactive Charges_17-18
33	Reactive Energy Charge	103.22685	26.09.17		Reactive Charges_17-18
34	Reactive Energy Charge	249.14078	31.10.17		Reactive Charges_17-18
35	Reactive Energy Charge	172.20693	30.11.17		Reactive Charges_17-18
36	Reactive Energy Charge	200.00000	15.12.17		Reactive Charges_17-18
37	Reactive Energy Charge	100.00000	05.01.18		Reactive Charges_17-18
38	Reactive Energy Charge	558.45339	06.02.18		Reactive Charges_17-18
	Total	93934.16034			

Annexure-VI

	2016-17				2017-18		
DSM account Reconciliation Status of ER constituents and Inter Regional							
Name of The Utility	Q1 (04.07.16)	Q2 (03.10.16)	Q3 (04.01.17)	Q4 (05.04.17)	Q1(04.07.17)	Q2(09.10.17)	Q3(08.01.18)
Inter Regional							
WR	NO	NO	YES	NO	NO	NO	NO
SR	YES	YES	NO	YES	YES	NO	NO
NER	NO	NO	YES	YES	YES	NO	NO
NR	NO	NO	NO	NO	NO	NO	YES
Intra Regional							
BSPHCL	YES	YES	YES	YES	YES	NO	NO
JUVNL	YES	YES	YES	YES	YES	NO	NO
DVC	YES	YES	YES	YES	YES	NO	NO
GRIDCO	YES	YES	YES	YES	YES	YES	YES
WBSETCL	YES	YES	YES	YES	YES	YES	YES
SIKKIM	YES	YES	YES	NO	NO	NO	NO
NTPC	YES	YES	YES	YES	YES	YES	YES
NHPC	YES	YES	YES	YES	YES	YES	NO
MPL	YES	YES	YES	YES	YES	YES	YES
VEDANTA	NO	NO	NO	NO	N/A	N/A	N/A
APNRL	YES	YES	YES	YES	YES	YES	YES
CHUZACHEN(GATI)	YES	NO	YES	YES	YES	YES	YES
NVVN(Ind-Bng)	YES	YES	YES	YES	YES	YES	YES
NVVN(Ind-Nep)	YES	YES	YES	YES	YES	YES	YES
GMR	YES	YES	YES	YES	YES	NO	NO
JITPL	YES	YES	YES	YES	YES	YES	NO
INBEUL	NO	NO	NO	NO	NO	NO	NO
TPTCL (DAGACHU)	YES	YES	YES	YES	YES	NO	YES
JLHEP(DANS ENERGY)	YES	YES	YES	YES	YES	NO	NO
BRBCL	YES	YES	YES	YES	YES	YES	NO
POWERGRID (ER-I)	N/A	N/A	YES	YES	YES	YES	YES
POWERGRID (ER-II)	N/A	N/A	N/A	N/A	N/A	N/A	NO
TUL (TEESTA-III)	N/A	N/A	N/A	NO	NO	NO	NO
DIKCHU	N/A	N/A	N/A	N/A	YES	NO	YES
SHIGA (TASHIDING)	N/A	N/A	N/A	N/A	N/A	N/A	NO

Note:

(1)The dates in the bracket indicates the date of sending the Reconciliation statements by ERLDC to utilities.

(2) YES Indicates that signed reconciliation statement received by ERLDC

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

Annexure-VII

Reconciliation Between Open Access department of ERLDC and SLDCs, STUs						
Sl. No.	STUs / SLDCs Name	Apr-17	May-17	Jun-17	Quarter-II(Jul-17-Sep-17)	Quarter-III(Oct-17-Dec-17)
	Date of Issuance	17-May-17	15-Jun-17	14-Jul-17	Oct-17	Jan-18
1	West Bengal - SLDC and STU	YES	YES	YES	NO	NO
2	DVC - SLDC	YES	YES	YES	YES	NO
3	OPTCL-SLDC and STU	YES	YES	YES	YES	NO

Access department of ERLDC and Applicants				
Sl. No.	Applicants Name	Quarter-I(Apr-17-June-17)	Quarter-II(Jul-17-Sep-17)	Quarter-III(Oct-17-Dec-17)
	Date of Issuance	25-07-2017	17-10-2017	16-01-2018
1	Calcutta Electric Supply Company	YES	YES	YES
2	Maithon Power Limited	YES	NA	NO
3	GMR Kamalanga Energy Limited	YES	YES	NO
4	Jindal India Thermal Power Limited	YES	YES	YES
5	Jharkhand State Electricity Board	YES	NO	NO
6	SAIL Rourkela Steel Plant	NO	NO	NO
7	TATA Steel Ferro Alloy Plant Bamnibal	YES	YES	NA
8	TATA Steel Ferro Alloy Plant Joda	YES	YES	NA
9	Tata Steel Limited Kalinganagar	NO	NO	NA
10	West Bengal State Distribution Company Ltd.	YES	NO	NA

Access department of ERLDC and CTU						
Sl. No.	STUs / SLDCs Name	Apr-17	May-17	Jun-17	Quarter-II(Jul-17-Sep-17)	Quarter-III(Oct-17-Dec-17)
	Date of Issuance	17-May-17	15-Jun-17	14-Jul-17	13-Oct-17	18-Jan-18
1	CTU(POWERGRID)	YES	NO	YES	YES	NO

Current Status of Letter of Credit (LC) amount against UI 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 2016-17	Average weekly Deviation Charge liability	LC Amount	Due date of expiry	Remarks
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	BSPHCL	44	44	10288.28725	194.11863	213.53049	16.11.2018	Opened for 213.53049 Lac
2	JUVNL	45	45	12078.12053	227.88907	250.67797	Already expired on 31.01.2018	Reminder issued on 29.01.18
3	SIKKIM	6	6	43.59053	0.82246	0.90471	07.03.2018	Opened for 1.60277 Lacs
4	APNRL	31	31	514.12213	9.70042	10.67046	31.05.2018	Opened for ₹ 10.67046 Lacs
5	CHUZACHEN	6	5	24.43612	0.46106	0.50716	31.03.2018	Opened for ₹ 0.50716 Lacs
6	JITPL	18	3	1304.7548	24.61802	27.07982	About to expire on 08.02.2018	Reminder issued on 05.02.18
7	GMR	12	4	367.39848	6.93205	7.62525	Not Opened	Letter issued on 22/08/17
8	IND-BARATH	48	36	96.68933	1.82433	2.00676	Not Opened	Letter issued on 04/01/18
9	TPTCL	45	3	1287.684311	24.29593	26.72552	31.03.2018	Opened BG for ₹ 26.72552 Lacs
10	JLHEP	27	24	346.25598	6.53313	7.18644	24.09.2018	Opened for 7.18644 Lacs
11	BRBCL	48	3	343.15334	6.47459	7.12205	31.03.2018	Opened for ₹ 7.12205 Lacs
12	NVVN(IND-NEP)	36	5	419.02891	7.90621	8.69683	26.09.2018	Opened for ₹ 8.69683 Lacs
13	TEESTA-III(TUL)	3	3	109.40403	2.06423	2.27065	21.09.2018	Opened for 2.27065 Lacs

Annexure-IX

List of Meter & Location for AMR 4th Phase

S.No	MAKE	Meter Serial No	LOCATION	S.No	MAKE	Meter Serial No	LOCATION	
1	L&T	NP-7885-A	LAKHISARA(PG)	69	GENUS	ER-1290-A	APNRL	
2	L&T	NP-7886-A		70	GENUS	ER-1135-A	BERHAMPORE(PG)	
3	L&T	NP-7429-A		71	GENUS	ER-1140-A		
4	L&T	NP-7429-A		72	GENUS	ER-1265-A	BIHARSHARIFF(PG)	
5	L&T	NP-7887-A		73	GENUS	ER-1108-A	BINAGURI(PG)	
6	L&T	NP-7430-A		74	GENUS	ER-1102-A		
7	L&T	NP-7888-A		75	GENUS	ER-1076-A		
8	L&T	NP-7431-A		76	GENUS	ER-1128-A		
9	ELSTER	NR-4451-A	ALIPURDUAR(PG)	77	GENUS	ER-1125-A	BIRPARA(PG)	
10	ELSTER	NR-4452-A		78	GENUS	ER-1106-A		
11	ELSTER	NR-3717-A		79	GENUS	ER-1109-A		
12	ELSTER	NR-4622-A		80	GENUS	ER-1110-A	DALKHOLA(PG)	
13	ELSTER	NR-4625-A		81	GENUS	ER-1071-A		
14	ELSTER	NR-4447-A		82	GENUS	ER-1072-A	DARBHANGA(DMTCL)	
15	ELSTER	NR-4446-A		83	GENUS	ER-1166-A	GAYA(PG)	
16	ELSTER	NR-3725-A		84	GENUS	ER-1263-A		
17	ELSTER	NR-4617-A		85	GENUS	ER-1170-A	JAMSHEDPUR(PG)	
18	ELSTER	NR-3716-A		86	GENUS	ER-1297-A		
19	ELSTER	NR-3718-A		87	GENUS	ER-1215-A	KHARAGPUR(WB)	
20	GENUS	ER-1104-A		88	GENUS	ER-1043-A		
21	GENUS	ER-1146-A	KISHANGANJ(BSPTCL)	89	GENUS	NR-4615-A	KISHANGANJ(PG)	
22	GENUS	ER-1005-A		90	GENUS	NR-4434-A		
23	GENUS	ER-1006-A		91	GENUS	ER-1293-A		
24	GENUS	ER-1002-A		92	GENUS	ER-1296-A		
25	GENUS	ER-1004-A		93	GENUS	ER-1159-A		
26	ELSTER	ER-1295-A		94	GENUS	ER-1154-A	MALDA(PG)	
27	GENUS	ER-1158-A		95	GENUS	ER-1143-A		
28	GENUS	ER-1156-A	NPGC(BSPTCL)	96	GENUS	ER-1150-A	MEJIA(DVC)	
29	GENUS	ER-1157-A		97	GENUS	ER-1008-A		
30	GENUS	ER-1287-A		98	GENUS	ER-1031-A	MIRAMUNDALI(GRIDCO)	
31	GENUS	ER-1282-A	99	GENUS	ER-1055-A			
32	GENUS	ER-1052-A	OPGC	100	GENUS	ER-1054-A	MOTIHARI(DMTCL)	
33	GENUS	ER-1063-A		101	GENUS	ER-1165-A		
34	GENUS	ER-1027-A		102	GENUS	ER-1167-A		
35	GENUS	ER-1112-A		103	GENUS	ER-1122-A	MPL	
36	GENUS	ER-1026-A		104	GENUS	ER-1123-A		
37	GENUS	ER-1030-A		105	GENUS	ER-1124-A		
38	GENUS	ER-1053-A		106	GENUS	ER-1129-A		
39	GENUS	ER-1066-A		107	GENUS	ER-1226-A	MUZAFFARPUR(PG)	
40	GENUS	ER-1068-A		TEESTA-III	108	GENUS	ER-1299-A	NABINAGAR(BRBL)
41	GENUS	ER-1060-A			109	GENUS	ER-1292-A	
42	ELSTER	NR-3714-A	110		GENUS	ER-1294-A		
43	ELSTER	NR-3715-A	111		ELSTER	NR-4620-A	NEW MELLI(PG)	
44	ELSTER	NR-4450-A	112		ELSTER	NR-4621-A		
45	ELSTER	NR-3720-A	113		GENUS	ER-1099-A	PANDIABILI(PG)	
46	ELSTER	NR-4623-A	114		L&T	NP-8052-A	PURNEA(PG)	
47	ELSTER	NR-3719-A	115		GENUS	ER-1175-A		
48	ELSTER	NR-4456-A	116		GENUS	ER-1176-A		
49	ELSTER	NR-4618-A	117		GENUS	ER-1298-A	RAMCHANDARPUR(PG)	
50	ELSTER	NR-4454-A	118	GENUS	ER-1020-A	RENGALI(PG)		

16 New Locations with 68 Meters

25 Existing Locations with 68 Meters

51	ELSTER	NR-4453-A	
52	GENUS	ER-1250-A	MOTIHARI(BSPTCL)
53	GENUS	ER-1245-A	
54	GENUS	ER-1286-A	MOTIPUR(BSPTCL)
55	GENUS	ER-1288-A	
56	GENUS	ER-1111-A	ATRI(GRIDCO)
57	GENUS	ER-1007-A	
58	GENUS	ER-1248-A	
59	GENUS	ER-1249-A	RAXAUL(BSPTCL)
60	GENUS	ER-1113-A	
61	GENUS	ER-1073-A	SAMANGARA(GRIDCO)
62	GENUS	ER-1223-A	SAMASTIPUR(BSPTCL)
63	GENUS	ER-1121-A	
64	GENUS	ER-1126-A	EMSS(CESC)
65	GENUS	ER-1227-A	
66	GENUS	ER-1173-A	BETIAH(BSPTCL)
67	GENUS	ER-1116-A	BHOGRAI(GRIDCO)
68	GENUS	ER-1114-A	JALESWAR(GRIDCO)

119	GENUS	ER-1028-A	
120	GENUS	ER-1029-A	ROURKELA(PG)
121	GENUS	ER-1012-A	
122	GENUS	ER-1093-A	
123	GENUS	ER-1100-A	
124	GENUS	ER-1019-A	
125	GENUS	ER-1118-A	
126	GENUS	ER-1022-A	
127	GENUS	ER-1021-A	
128	GENUS	ER-1023-A	
129	GENUS	ER-1117-A	SUNDERGARH(PG)
130	GENUS	ER-1119-A	
131	GENUS	ER-1062-A	
132	GENUS	ER-1067-A	
133	GENUS	ER-1061-A	
134	GENUS	ER-1070-A	
135	GENUS	ER-1065-A	
136	GENUS	ER-1064-A	

List of drifted meters to be replaced in Phase-III

SNO	LOCATION	METER SNO	FEEDER NAME	Region
1	JEERAT(WB)	NP-6445-A	400 KV JEERAT (WBSETCL) - BERHAMPORE(PG)	ER-II
2	JEERAT(WB)	NP-6446-A	400 KV JEERAT (WBSETCL) - SUBHASGRAM	ER-II
3	RANCHI(PG)	NP-7853-A	400 KV RAGHUNATHPUR 1	ER-I
4	RANCHI(PG)	NP-7871-A	400 KV RAGHUNATHPUR 2	ER-I
5	ALIPURDUAR(PG)	NR-3716-A	400 KV POLE-3 MAIN BAY-AGRA(NR)	ER-II
6	ALIPURDUAR(PG)	NR-3718-A	400 KV POLE-3 TIE BAY AGRA(NR)	ER-II
7	NEW MELLI(PG)	NR-4620-A	220 KV JORETHANG(JLHEP)-1	ER-II
8	NEW MELLI(PG)	NR-4621-A	220 KV JORETHANG(JLHEP)-2	ER-II
9	TEESTA-III	NR-3714-A	400 KV SIDE OF TEEST-III HEP GT-1	ER-II
10	TEESTA-III	NR-3715-A	400 KV SIDE OF TEEST-III HEP GT-2	ER-II
11	TEESTA-III	NR-4450-A	400 KV SIDE OF TEEST-III HEP GT-3	ER-II
12	TEESTA-III	NR-3720-A	400 KV SIDE OF TEEST-III HEP GT-4	ER-II
13	TEESTA-III	NR-4623-A	400 KV SIDE OF TEEST-III HEP GT-5	ER-II
14	TEESTA-III	NR-3719-A	400 KV SIDE OF TEEST-III HEP GT-6	ER-II
15	TEESTA-III	NR-4456-A	400 KV TEESTA-III - DICKCHU (MAIN)	ER-II
16	TEESTA-III	NR-4618-A	400 KV TEESTA-III - DICKCHU (CHECK)	ER-II
17	TEESTA-III	NR-4454-A	400 KV TEESTA-III - RANGPO (MAIN)	ER-II
18	TEESTA-III	NR-4453-A	400 KV TEESTA-III - RANGPO (CHECK)	ER-II
19	JINDAL (GRIDCO)	NP-6502-A	220KV JAMSHEDPUR (DVC)	ODHISA PROJECT
20	JAMSHEDPUR (DVC)	NP-6010-B	220 KV JINDAL	ER-I
21	GANGTOK(PG)	NP-6026-A	132KV CHUZACHEN(GATI)	ER-II
22	RANGPO(PG)	NP-7958-A	132 KV CHUZACHEN (GATI)	ER-II

Location details of Elster Meter in Eastern Region

Annx-XI

Sl No	Meter No	Location	Region
1	NR-3714-A	TEESTA-III	ER-II
2	NR-3715-A	TEESTA-III	ER-II
3	NR-4450-A	TEESTA-III	ER-II
4	NR-3720-A	TEESTA-III	ER-II
5	NR-4623-A	TEESTA-III	ER-II
6	NR-3719-A	TEESTA-III	ER-II
7	NR-4456-A	TEESTA-III	ER-II
8	NR-4618-A	TEESTA-III	ER-II
9	NR-4454-A	TEESTA-III	ER-II
10	NR-4453-A	TEESTA-III	ER-II
11	NR-4451-A	ALIPURDUAR	ER-II
12	NR-4452-A	ALIPURDUAR	ER-II
13	NR-3717-A	ALIPURDUAR	ER-II
14	NR-4622-A	ALIPURDUAR	ER-II
15	NR-4625-A	ALIPURDUAR	ER-II
16	NR-4447-A	ALIPURDUAR	ER-II
17	NR-4446-A	ALIPURDUAR	ER-II
18	NR-4435-A	ALIPURDUAR	ER-II
19	NR-4619-A	ALIPURDUAR	ER-II
20	NR-3725-A	ALIPURDUAR	ER-II
21	NR-4617-A	ALIPURDUAR	ER-II
22	NR-3718-A	ALIPURDUAR	ER-II
23	NR-4620-A	NEW MELLI	ER-II
24	NR-4621-A	NEW MELLI	ER-II
25	NR-4435-A	RANCHI NEW	ER-I
26	NR-4619-A	RANCHI NEW	ER-I
27	NR-4615-A	KISHENGANJ	ER-I
28	NR-4434-A	KISHENGANJ	ER-I