

EASTERN REGIONAL POWER COMMITTEE
14 GOLF CLUB ROAD, TOLLYGUNGE, KOLKATA-700 033
Phone: 033-24239651/24239659 # Fax: 033-24239652/53 # Web: www.erpc.gov.in

AGENDA FOR THE 39th COMMERCIAL SUB-COMMITTEE MEETING OF ERPC
SCHEDULED TO BE HELD ON 18.02.2019 (MONDAY) AT 11:00 HRS AT ERPC, KOLKATA

ITEM NO. A1: Confirmation of the minutes of the 38th Commercial Sub-Committee meeting held on 12.10.2018.

The minutes of the 38th Commercial Committee meeting were intimated vide ERPC letter No-ERPC/COM-I/GEN/2018/5517-5556 dated 30.10.2018. No request for amendment has been received by ERPC Secretariat.

Members may confirm the minutes of the 38th Commercial Sub Committee Meeting.

PART B: ITEMS FOR DISCUSSION

ITEM NO. B1: COD of U#4 (660MW) of Barh STPS –II of NTPC – APTEL Order

Hon'ble CERC in its order dated 20th September, 2017 in Petition No. 130/MP/2015 along with IA No. 67/2017 had revised the COD date of U-IV (660MW) of Barh STPS-II as 08/03/2016 in place of 15/11/2014 (as previously declared by NTPC).

Accordingly, in line with the above decision of CERC, ERPC had revised and issued the REA, DSM & RTA Accounts vide letter dated 12.01.2018 and RTDA Account vide letter dated 02.02.2018 respectively for the period from 15.11.2014 to 07.03.2016 (Copy enclosed at **Annexure-I**).

Subsequently, NTPC vide letter dated 18.10.2018 informed that they have filed an appeal before APTEL bearing Appeal No. 330 of 2017 against the above CERC order dated 20.09.2017. Along with the appeal NTPC vide IA No. 840 of 2017 also filed for stay of implementation of the CERC order dated 20.09.2017. In view of above NTPC requested ERPC to keep the revised Accounts in abeyance till the application of stay is decided by Hon'ble Tribunal. In reply, ERPC vide letter dated 19.01.2018 clarified that no stay order has been received till date.

Recently, APTEL has given its judgement for IA No. 840 of 2017 in Appeal No. 330 of 2017. APTEL in its order dated 25th January, 2019 has dismissed the Appeal of NTPC and upheld the impugned order dated 20/09/2017 passed by CERC in petition no. 130/MP/2015 stating that they are of the considered view that the issues raised in the appeal being Appeal No. 330 of 2017 are devoid of merits.

Therefore all the affected beneficiaries of Barh STPS-II along with NTPC and CTU/PGCIL are to initiate action towards settlement of the Accounts as issued by ERPC for the period from 15.11.2014 to 07.03.2016 for implementation of CERC order dated 20/09/2017.

As per the revised statement, beneficiary wise Deviation Charges receivable by NTPC Barh Stg-II Unit IV from the pool for infirm power injection for the period from 15.11.2014 to 07.03.2016 is ₹ **636.86 Cr** as per the table below:

Beneficiary	₹ (Crore)
BSPHCL	564.8512231
JUVNL	41.0085656
GRIDCO	25.5745384
SIKKIM	2.7492379
MP(WR)	2.6757824
Total	636.8593474

Moreover, apart from the above, Deviation Charges also receivable by Barh STPS from the DSM pool for the above period is ₹ **63.1484181** Crores.

However, the beneficiaries will get refund of Energy Charges, Capacity Charges and Transmission Charges on account of BARH St-II Unit 4 Infirm for the period 15.11.2014-07.03.2016 which is also reflected in the revised statement.

Members may discuss and finalize the modalities for settlement of accounts.

ITEM NO. B2: Pilot on Security Constrained Economic Despatch (SCED) of Inter-State Generating Stations (ISGS) Pan India

CERC vide Suo-Motu order dated 31.01.2019 in petition no. 02/SM/2019 has directed implementation of SCED for the Inter-State Generating Stations on pilot basis w.e.f 01.04.2019. RPCs and POSOCO have been directed to conduct stakeholder awareness programs for smooth implementation of SCED pan-India.

In this regard, POSOCO has circulated an agenda note vide letter no. POSOCO/NLDC/2019/402 dated 04.02.2019 (Copy enclosed at **Annexure - II**). Details of the agenda note are given below:

- Hon'ble Commission, vide Order in Petition No. 02/SM/2019 (Suo-Motu) dtd. 31st January, 2019, directed for Pilot on SCED of Inter-State Generating Stations (ISGS) Pan India <http://cercind.gov.in/2019/orders/02-SM-2019.pdf>
- The Central Commission observed that there is an overarching objective to optimize the Scheduling and dispatch of the generation resources and reduce the overall cost of Production of electricity without major structural changes in the existing System/framework. SCED is a desired step in the Indian grid operation towards optimization methodologies. SCED is an involved procedure requiring developing software, creating interfaces and establishing various protocols, information dissemination and streamlining settlement system etc.
- Accordingly, the Commission directed for pilot of SCED for the Inter-State Generating Stations, on pilot basis, w.e.f. 01st April, 2019.
- The SCED optimization model is for all the thermal Inter State Generating Stations (ISGS) that are regional entities and whose tariff is determined or adopted by the Commission for their full capacity without violating grid security and honouring the existing scheduling practices prescribed in the Indian Electricity Grid Code.
- A Detailed Procedure would be formulated that would contain the guidelines regarding operational aspects of SCED including scheduling, dispatch, accounting, settlement etc.
- The variable charges declared by the generators for the purpose of Reserve Regulation Ancillary Services (RRAS) would be considered in the optimization process.
- Schedules of the States/beneficiaries would not be changed and the beneficiaries would continue to pay the charges for the scheduled energy directly to the generator as per the existing practices.

- NLDC would open a separate bank account called “National Pool Account (SCED) “. All payments to/from the generators on account of SCED schedules would flow to and from the said National Pool Account.
- For any increment in the injection schedule of a generator due to optimization, the generator would be paid from the National Pool Account (SCED) for the incremental generation at the rate of its variable charge.
- For any decrement in the schedule of a generator due to optimization, the generator would pay to the aforesaid National Pool Account (SCED) for the decrement generation at the rate of its variable charge after discounting compensation due to part load operation as certified by RPC as per the provisions of IEGC.
- The incremental changes in schedules on account of optimization would not be considered for incentive computation for the generating stations. The deviation in respect of such generators would be settled with reference to their revised schedule. The increment or decrement of generation under SCED would not form part of RRAS.
- RPCs would issue weekly SCED accounts along with the DSM, RRAS, FRAS and AGC accounts based on data provided to them by RLDCs.
- RPCs would issue the regional accounts including the SCED schedules and NLDC would issue a consolidated "National SCED Settlement Statement" comprising payment and receipts to/from all generators participating in the SCED.
- The savings obtained through SCED after settlement of all accounts of SCED would be recorded and maintained in the “National Pool Account (SCED) “ by the NLDC.
- CTU is directed to ensure reliable communication between the respective generating stations and Load Despatch Centres.
- As and when the detailed procedure on implementation of SCED pan-India is finalized, the same would also be circulated in the forthcoming OCC meetings in the month of March, 2019.

ERLDC (POSOCO) may deliver the presentation on SCED.

ITEM NO. B3: Implementation of DSM (4th amendment) Regulations’2018 – ERPC Agenda

DSM (4th Amendment) Regulations, 2018 was notified by Honorable CERC on 20.11.2018. The said amendment has been implemented w.e.f 01.01.2019 and the same has been intimated to all the constituents of Eastern Region vide letter no **ERPC/Com-I/Corres/2019/7024-7107, dated 01.01.2019**. Accordingly, DSM account is being prepared and issued by ERPC Secretariat as per 4th Amendment Regulations.

ERPC Secretariat will give a brief presentation on the performance and behavior of various constituents of Eastern Region for the last 4 weeks from the implementation of new regulations.

ERPC may give the presentation. Members may discuss.

ITEM NO. B4: Implementation of DSM (4th amendment) Regulations’2018 – Concerns raised by various utilities of Eastern Region

NHPC: As per CERC DSM Regulation, (4th Amendment issued by CERC vide order no. L-1/132/2013-CERC dated 20/11/2018) in the event of sustained deviation from schedule in one direction by any regional entity, such Regional entity shall have to change sign of their deviation

from schedule at least once after every 6 time blocks. The violation under this clause attracts additional charges of 20% on the daily DSM payable/receivable.

For Rangit Power Station (3X20MW), NHPC vide letter no. NH/O&M/GMC/223 dated 24.01.2019 (Copy enclosed at **Annexure - III**), have intimated that when machines are not operational (Off peak hour in lean season) and schedules is zero the actual transmission figures are non-zero resulting in deviation from schedule. In this scenario, when there is no injection of power from Rangit, the actual transmission figures are beyond control of Power Station, therefore it is not possible to do the sign reversal of deviation from schedule as stipulated in the above said regulations resulting in additional deviation charges to NHPC.

Similar case also existed in Northern Region, which was taken up with NRPC in the 155th OCC Meeting of NRPC held on 17th January 2019, wherein it was decided that "where injection schedule given to the generator is zero and the power from the grid is being drawn by the generator for their auxiliary consumption, in such scenario, no "additional Charge" for sustained deviation shall be imposed".

Accordingly, the Deviation Settlement Account for the week 31st December 2018 to 06th January 2019 has also been issued by NRPC on above assumptions.

In view of above, NHPC requested that when there is no injection from Rangit Power House or in such cases, the additional charge as Penalty on sign change may not be considered.

TUL: The generation schedule of Teesta-III HEP is 'zero', only grid power is flowing through Teesta-III HEP bus-bar. During such period additional deviation charges has been imposed on Teesta-III HEP, due to no sign change. We have been penalized to the tune of ₹1.75 lacs as DSM charges for the the period of 01-Jan-2019 to 20-Jan-2018 by ERPC.

Additional deviation charges (ADC) during 01-Jan-19 to 20-Jan-19							
Sl.No	Description		1-Jan-19 to 6-Jan-19	7-Jan-19 to 13- Jan-19	14-Jan-19 to 20- Jan-19	Total value(Rs)	Remarks
1	During Machine Idle Condition (Generation SCH-Zero)	ADC due to sign change when Machine is Idle	-200578.45	-96807.53	-66992.29	-364378.27	By considering both ADC due to sign change and revenue during machine was in idle condition ,Penalty of Rs 1.75 Lakhs was paid from TUL to ERPC for the period of 1-Jan-19 to 20- Jan-19
		ADC due to volume limit when machine is Idle	-42128.82	-31731.31	-35419.15	-109279.28	
2	Total revenue earned when Machine is in Idle Condition(Generation SCH-Zero)		105189.02	147299.89	45189.66	297678.57	

Since our generation schedule is zero, we should not be penalized due to flow of grid power through Teesta-III bus bar. (Copy of email enclosed at **Annexure – IV**)

CHUZACHEN: When the generation schedule for Chuzachen HEP is zero, Chuzachen HEP acts as a LILO for the 132 KV Rangpo-Chuzachen-Gangtok Circuit. The direction of power flow on this circuit is dependent on the grid conditions due to which Chuzachen HEP should be exempted from the sign change rule as we have no role to play in the import or export of power under this condition on this circuit.

Chuzachen is a run-of -river plant with restricted pondage. During the transitional months of May to June; there are sudden increases of hydrology in the Himalayan region and a 1% cap for additional generation is not enough to utilize the water potential available then as reservoir storage will be exceeded. Hence for transitional months; additional generation cap should be sufficiently increased as loss of water is a loss of revenue for the company as well as the nation. (Copy of email enclosed at **Annexure – V**)

DANS ENERGY: DANS Energy vide letter no. DEPL/JLHEP/O&M/18-19/ERLDC/001, dated 12.02.2019(Copy enclosed at **Annexure - VI**) informed that Additional Deviation Charges have been imposed on DEPL in respect of Jorethang Loop HEP for the period from 01.01.2019 to 27.01.2019 due to Sign Change violation penalty. This is on account of negative power being captured by Special Energy Meters at New Melli Grid Pooling Station, which has been installed by PGCIL during zero schedule power by Jorethang Loop HEP and without any import/start up power from grid to DEPL during the plant shut down period.

Members may discuss.

ITEM NO. B5: Implementation of FRAS – ERPC Agenda

CERC in its Suo-Motu order dated 16.07.2018 in petition No.07/SM/2018/Suo-Motu directed the implementation of FRAS (Fast Response Ancillary Service) on pilot basis w.e.f 26.11.2018. ERPC secretariat has accordingly prepared and issued FRAS accounts along with RRAS accounts since implementation. As per CERC order, total energy dispatched during a day for hydro stations under FRAS shall be made zero and hence, no energy charges shall be payable to the hydro stations. Incentive shall be paid on mileage basis from DSM pool at the rate of 10 paisa/KWH for both “up” & “down” Energy to FRAS provider. It has been observed that in some days the net energy dispatch under FRAS (“up” & “down”) is not zero for hydro stations like Teesta V & Rangit. This may result in significant financial implication for FRAS providers in the event of large quantum of dispatch under FRAS.

ERPC Secretariat will give a brief presentation. NHPC is also requested to give a presentation on the experience attained since the implementation of FRAS.

ERPC & NHPC may give the presentation. Members may discuss.

ITEM NO. B6: Deviation and Transmission Deviation Charge Adjustment of NPGC due to erroneous CT ratio for SEM readings of NPGC

NPGC, vide letter no. 0370/NPGC/EED dated 07.01.2019 (Copy enclosed at **Annexure - VII**), requested for revision of Deviation charges and RTDA account for the period from 10.05.2018 to 23.12.2018. As per NPGC, CT ratio of Station Transformer metering core CT was inadvertently mentioned by them as 1200:1 instead of 600:1 which is the actual CT ratio. This resulted in higher recording of Actual energy drawal by NPGC and hence increased liability of Deviation and Transmission Deviation Charges payment by NPGC.

ERPC Secretariat convened a Special meeting on 07.02.2019 on this issue wherein it was discussed in details and the documents provided by NPGC were verified. ERLDC informed that the corrected CT ratio of 600:1 has been considered w.e.f 24.12.2018. NPGC was advised to submit an affidavit mentioning the inadvertent error and actual CT ratio adopted for metering by 14.02.2019 along with all supporting documents. It was decided that ERPC Secretariat will revise the affected accounts for the period from 10.05.2018 to 23.12.2018 after receipt of the affidavit. It was further observed that DSM pool members would not be affected due to revision in DSM Account. Adjustment in DSM Account would be done in

maximum six instalments subject to availability of fund in DSM pool (Copy of Notice and Minutes of the Special Meeting given at **Annexure - VIII**).

This is for information of the members.

ITEM NO. B7: Import of power by Bhutan in 2019

DGPC Bhutan vide letter no. DGPC/O&MD/23/2018/437 dated 04.02.2019 (given at **Annexure - IX**) intimated that 1st unit of 720MW Mangdechhu HEP, which was supposed to be commissioned in 2018, is still not commissioned due to unavoidable circumstances. It is expected to be commissioned by end of February 2019 if all the works get executed as per the planned schedule.

Due to this, Bhutan has imported a net energy of 11.291923MU from India in the month of January 2019. This net import of power by Bhutan from India may continue during the months of February & March 2019 as well till the 1st unit of MHEP is commissioned.

ERPC Secretariat had convened a meeting on 13.07.2018 to finalize the treatment of import of power by Bhutan during February and March 2018. In the meeting ERPC Secretariat and Director (O&M), DGPC Bhutan gave detailed presentations. It was observed that the entire anomaly has arisen due to non-existence of any suitable tariff between India and Bhutan for import of power by Bhutan. ERPC Secretariat had first adjusted the import of power by Bhutan during Feb-2018 and Mar-2018 from the export of power to India during Apr-2018 and thereafter segregated the balance power into Tala & Chukha components. However, Bhutan has prepared the accounting based on segregation of export of power to India during April 2018 into Tala & Chukha components first and thereafter made the adjustment of import of power during the months of Feb-2018 and Mar-2018.

In the meeting it was unanimously decided that financial liability arising as a result of the methodology adopted by ERPC Secretariat for treatment of import of power by Bhutan shall be shared between India and Bhutan on 50:50 basis as a one-time settlement (Copy of Minutes of the meeting given at **Annexure - X**). The same methodology may be adopted for accounting and financial settlement of import of power by Bhutan during 2019 as well.

DGPC may intimate the status of MHEP Commissioning and members may discuss.

ITEM NO. B8: National Energy Accounting – NPC Agenda

In the 8th Meeting of NPC (National Power Committee) held on 30.11.2018 at Guwahati, an agenda note as circulated by NLDC vide letter dated 09.11.2018 (Copy enclosed at **Annexure- XI**) on National Energy Account & National Deviation Pool Account was taken up for discussion. Summary of the proposed methodology is as follows:

- 1) **Scheduling**: Scheduling inter-regional transactions on a net basis for each region. NLDC shall communicate the net inter-regional schedules to the NPC for accounting.
- 2) **Metering**: SEM data shall be collected by the RLDCs, processed meter data shall be made available to NPC through NLDC.
- 3) **Accounting & Settlement**: Based on the scheduling and meter data provided, NPC shall prepare the National Energy Account (NEA) including the National Deviation Account for the inter-regional and trans-national transactions. The NEA will reflect the payables/receivables for each region on a net-basis and this amount shall be payable/receivable to the National Deviation

Pool Account which shall be operated by NLDC. The NEA shall also reflect the cross-border or trans-national transactions and the neighbouring countries shall be paying/receiving to/from the National Deviation Pool Account operated by NLDC. Payment to the National DSM Pool shall have the highest priority.

4) Handling Surplus/Deficit in Regional Pool Accounts and transfer of residual to PSDF:

Once the National DSM Pool becomes operational, all residual/surplus amount in the regional DSM pools shall be transferred to the National DSM Pool Account. The NPC accounts would also facilitate the transfer of funds from the surplus available in the National DSM pool to the deficit regional DSM pool accounts as a single transaction thereby simplifying the process. Once all liabilities have been met, any residual in National DSM Pool shall be transferred periodically to the PSDF in accordance with the extant CERC Regulations.

In the 8th NPC Meeting, it was decided that the proposal on NEA & National Deviation Pool Account may be discussed in all the RPCs and the observations of RPCS may be furnished to NPC Secretariat.

Members may discuss.

ITEM NO. B9: Certification of non-ISTS lines of OPTCL system carrying ISTS power

OPTCL, vide letter no. RT&C-NON-ISTS/2017-497 dated 02.02.2019 (Copy enclosed at **Annexure - XII**), has requested ERPC Secretariat to expedite the process of certification of their 9 nos. of 220KV & 132KV transmission lines as non-ISTS lines carrying ISTS power.

Accordingly, ERPC Secretariat issued a letter to ERLDC (vide letter no ERPC/COM-I/non-ISTS/2019/8986-87 dated 11.02.2019 as enclosed at **Annexure - XIII**) requesting to carry out necessary system studies and forward the same to ERPC.

This is necessary to enable OPTCL to file before CERC for determination of transmission charges.

ERLDC may update.

ITEM NO. B10: Implementation of Differential protection for short distance lines in different substations of ER-II –Powergrid

The Lines where line differential protection are to be implemented are as follows:

Sl. No.	Substation name	Name of the Line	Line length	Line owned by
1	Durgapur	220KV DGP (PG) - DVC Ckt.-I	1	DVC
2		220KV DGP (PG) - DVC Ckt.-II	1	DVC
3		220KV DGP (PG) - Bidhan Nagar (WBSETCL) Ckt.-I	11	WBSETCL
4		220KV DGP (PG) - Bidhan Nagar (WBSETCL) Ckt.-II	11	WBSETCL
5	Malda	132KV MLD (PG) - MLD (WBSETCL) Ckt.-I	5.94	WBSEDCL
6		132KV MLD (PG) - MLD (WBSETCL) Ckt.-II	5.94	WBSEDCL
7	Alipurduar	220KV ALPD (PG)- ALPD (WBSETCL) Ckt.-I	6.377	WBSETCL
8		220KV ALPD (PG) - ALPD (WBSETCL) Ckt.-II	6.377	WBSETCL

9	Birpara	132KV BRP (PG) - BRP (WBSETCL) Ckt.-I	0.3	WBSETCL
10		132KV BRP (PG) - BRP (WBSETCL) Ckt.-II	0.3	WBSETCL
11	Siliguri	132KV SLG (PG) - NJP (WBSETCL) Ckt.	10	WBSETCL
12		132KV SLG (PG) - NBU (WBSETCL) Ckt.	10	WBSETCL

In 68th PCC meeting, it was opined that differential protection should be implemented for all short lines (<20KM) to overcome relay co-ordination issues with respect to distance and over-current protection.

PCC in principle agreed and opined that differential protection at both the ends could be implemented by one entity to maintain the relay and communication compatibility.

PCC advised Powergrid to implement differential protection at both ends for rest of the above lines.

In 38th TCC Meeting, it was decided in the meeting that the cost relating to implementation of fiber based differential protection scheme for both ends shall be borne by concerned utilities owning the line.

Therefore for retrofitting of the old relays budgetary offer has been collected from M/s GE Ltd. Vide ref. no.-SPT001/PGCIL dated 22.05.2018. A BOQ has been prepared and the total financial implication comes to **Rs. 1,30,27,200/-** (One crore thirty lacs twenty seven thousands two hundreds only) including GST and other terms & conditions. Powergrid placed the proposal for

- Technical & administrative approval,
- Financial concurrence for Rs. 1,30,27,200/- (inclusive of GST),
- Execution of work through open tender basis

PCC in principle agreed to the proposal and referred to Commercial Sub-Committee Meeting for discussion.

Members may discuss.

ITEM NO. B11: Constitution of Committee for analysing the major outages of ISTS elements of Eastern Region

ERPC Secretariat is issuing certificate for availability of Transmission elements of all ISTS licensee of Eastern Region. ERPC Secretariat has to certify various types of outages based on the reasons specified with reasonable restoration time. Recently, in few cases of major outages, it becomes difficult to ascertain all the facts to arrive at the reasonability of the outage and reasonable time of restoration. Therefore a Committee has been constituted vide letter no. ERPC/MS/TA/2018-19/8480-84 dated 25.01.2019 (Copy enclosed at **Annexure - XIV**) for analysing the major outages of ISTS elements of ER to identify the category of outage and reasonable restoration time.

The members of the Committee as nominated by ER constituents are as follows:

1. Sh. D.K. Bauri, EE, ERPC -- Convenor
2. Sh. Chinmay Halder, ACE, WBSLDC
3. Sh. Sudhansu Sekhar Nanda, DGM (E& MR), OPTCL
4. Sh. S.K.Singh, GM(AM), Powergrid (ER-I)
5. Dr. Deepak Lakhpati, Head-Design, Sterlite Power

The committee will function as per the following guidelines:

- i) The Committee shall meet from time to time to analyse the various outages as referred by Member Secretary, ERPC.
- ii) The Convenor of the committee shall coordinate with all the members to organize meetings.
- iii) The Committee shall look into the various details of causes for outage of transmission elements and suggest the category of outage and reasonable restoration time period for of the transmission element.
- iv) The committee in its report/minute shall indicate the category and reasonable time period to be considered for each category for all outages as per the prevailing CERC regulations and CERC/CEA/CTU standards.
- v) ERLDC may be invited on case to case basis as and when felt by the committee members for verifying the outage time, log, record etc. as available with ERLDC.
- vi) The other concerned transmission licensee may be invited on case to case basis for explaining the details of outages of their respective elements.
- vii) The above members from Powergrid and Sterlite Power shall not take part in the decision making while analyzing outages of their respective elements. However, in such cases their function shall be restricted to represent or explain their cases of outages to the Committee.
- viii) If required, the committee shall undertake site visit for assessing the actual position in case of major failure of transmission elements which require higher restoration time beyond the standard allowable restoration period.

This is for information to the members.

ITEM NO. B12: Payment/Receipt Status from various pool accounts in ER – ERLDC Agenda

B12.1: Payment of Deviation Charge – Present Status.

The status of Deviation Charge payment as on 06.02.2019 is enclosed at **Annexure – XV**. The current principal outstanding Deviation Charge of JUVNL & BSPHCL is **₹ 55.14 Cr & ₹ 9.83 Cr** respectively considering bill up to 20.01.2019. ERLDC is regularly giving reminders to BSPHCL & JUVNL to liquidate the outstanding Deviation charges.

Further SIKKIM is not paying DSM charges in Pool since last few years and waiting for adjustment with the receivable amount.

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

ERLDC may please update.

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

B12.2: DSM Account Mismatch between ER & NR

A huge mismatch between DSM accounts for ER-NR Link published by ERPC & NRPC has been observed since April 2018. Prior to April 2018 such mismatch was not significant. Actual Meter data of ER-NR Inter regional link, published in NRPC DSM Bill is matching with ERPC/ERLDC/NRLDC Actual SEM data. However, Schedule energy data of ER-NR Inter regional link published in NRPC DSM statement is not matching with ERPC data. It was gathered that some software related issue at NRPC is the main reason for this mismatch. DSM statement for ER-NR Link prepared by ERPC secretariat is correct.

Present statement of ER-NR Inter regional DSM Bill issued by NRPC & ERPC is given in **Annexure-XVI** for reference. ERLDC had taken up the issue with NRPC through NRLDC for sorting out the issue and for the revision of respective accounts prior to 03.09.2018. However so far revision for period up to 01.07.2018 is done by ERPC and still revision of account for 02 more months are pending. Such huge mismatch in two DSM account is causing problem in settlement of DSM as well RRAS account. The current principal outstanding Deviation receivable by ER Pool from NR Pool for ER-NR is ₹ 330 Cr.

Members may please discuss.

B12.3: Non-payment of Deviation Charges by IBEUL

IBEUL is not paying Deviation charges in ER DSM Pool since 12.04.2017 (almost 2 years) and present outstanding amount payable by M/s IBEUL towards principal deviation charges is ₹ 112.50429 Lac considering bill up to 20.01.2019 and ₹ 21.35362 Lac against the delayed payment interest of deviation charges till 31.01.19. A petition in CERC had been filed in July 2018 by ERLDC against M/s IBEUL for violation of Regulation 10 of DSM regulations 2014. Petition was heard for admission on 13.12.18 and next hearing is due on 28.02.2019.

IBEUL may confirm the program for payment of outstanding dues.

B12.4: Interest due to delayed payment of deviation charges

Due to delayed payment of deviation charges in DSM Pool in FY 2017-18, Interest was computed for all the DSM Pool Member. ERLDC vide letter No. संदर्भ : पूक्षेभारप्रेके./एम.ओ/यू-11 /2126 dated 26.06.18 was issued the interest statement for FY 2017-18.

The statement of interest amount is enclosed in **Annexure-XVII**. Settlement of delayed payment Interest for 2017-18 for the recipient constituents has been done on 01.06.18. SIKKIM & IBEUL are yet to clear the outstanding interest amount of 2017-18. In 38th CCM, it was decided that ERPC Secretariat would write a letter to the concerned utilities to release the outstanding amount at the earliest. However concerned utilities are yet to make the payment.

IBEUL & SIKKIM may please confirm the program for payment of Interest on account of delayed payment for FY 2017-18.

B12.5: Reactive Energy Charges --- Present Status.

The updated position of Receipt/Payment of Reactive Energy Charges in the pool as on 06.02.2019 (considering bill up to 20.01.2019) is indicated in **Annexure – XVIII**. The total outstanding receivable on account of Reactive charges from West Bengal is ₹ 1.84 Cr & from BSPHCL is ₹ 0.46 Cr. Reactive Charge receivable from SIKKIM is ₹ 3.1 Lac. SIKKIM has not paid the Reactive energy Charges since more than last one year. JUVNL has also the outstanding of ₹ 0.32 Cr payable to Reactive Pool.

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

B12.6: Outstanding reactive energy charge against WBSEDCL

Reactive Energy charges amount receivable from WBSEDCL prior to 04.01.2016 was ₹ 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 was long pending.

However, WBSEDCL has started liquidating the payment in EMI and so far WBSEDCL has paid ₹ 0.91 Cr in 3 installments (3 X 3025688 = 9077064) and 3 more installments amounting to ₹ 0.91 Cr are pending.

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

B12.7: 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 06.02.2019 (considering bill up to 20.01.2019) is indicated in **Annexure – XIX**. So far ₹ 227.3 Cr have been settled under RRAS in ER during FY 2018-19.

This is for information to the members.

B12.8: Congestion account - Present Status

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

B12.9: Status of PSDF

An amount of ₹ 6.86 Cr from Reactive account have been transferred to PSDF after 38th Commercial sub-committee meeting held on 12.10.18. With this the total amount of ₹ 956.6 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 & FRAS Bill. The break up details of fund transferred to PSDF (till 06.02.19) is enclosed in **Annexure-XXI**.

This is for information to the members.

ITEM NO. B13: Reconciliation of Commercial Accounts – ERLDC Agenda

B13.1: Reconciliation of Deviation Accounts.

At the end of 3rd quarter of 2018-19, the reconciliation statement (Period: 01.10.18 to 31.12.18) has been issued by ERLDC on 09.01.19 and statements have been sent to the respective constituents. The same has also been uploaded at ERLDC website at <https://erldc.in/market-operation/dsmreconciliation/>. The constituents were requested to verify /check the same & comments, if any, on the same were to be reported to ERLDC by 31.01.2019. The status of reconciliation is enclosed in **Annexure-XXII**.

IBEUL has not reconciled the statement for last 2 years.

OPGC has not signed reconciliation statement for last 2 quarter.

BSPHCL, JUVNL, DVC, WBSETCL, SIKKIM, NHPC, KBUNL, GMR, JLHEP, DICKCHU, TASHIDING, Powergrid (ER-I & II) & NPGC have not signed reconciliation statement for 3rd quarter of 2018-19.

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

Concerned members may update.

B13.2: Reconciliation of Reactive Account

At the end of 3rd quarter of 2018-19, the reconciliation statement (Period: 01.10.18 to 31.12.18) has been issued by ERLDC on 09.01.19 and statements have been sent to the respective constituents. The same has also been uploaded at ERLDC website at <https://erldc.in/market-operation/reactivereconciliation/>. Constituents were requested to verify /check the same & comments if any on the same were to be reported to ERLDC.

SIKKIM & JUVNL have not reconciled the Account since last 2 quarters.

BSPHCL, DVC, GRIDCO & WBSETCL have not reconciled the account of last one quarter.

Constituents may please reconcile the Reactive account.

B13.3: Reconciliation of RRAS Account

At the end of 3rd quarter of 2018-19, the reconciliation statement (Period: 01.10.18 to 31.12.18) has been issued by ERLDC on 09.01.19 and statements have been sent to the respective constituents (i.e. NTPC, KBUNL and BRBCL). The same has also been uploaded at ERLDC website at <https://erldc.in/market-operation/rrasreconciliation/>. NTPC & BRBCL has reconciled the RRAS Account.

KBUNL may please reconcile the RRAS account.

B13.4: Reconciliation of FRAS Account.

At the end of 3rd quarter of 2018-19, the reconciliation statement (Period: 01.10.18 to 31.12.18) has been issued by ERLDC on 09.01.19 and statements have been sent to the respective

constituents (i.e. NHPC). The same has also been uploaded at ERLDC website at <https://erlhc.in/market-operation/fras-reconciliation/> NHPC has not reconciled the account.

NHPC may please reconcile the FRAS account.

B13.5: Reconciliation for STOA payments made to SLDC / STU:

The reconciliation statements of STOA payments for the period of Apr'18 to Dec'18 have been sent to the DVC, OPTCL and WBSETCL for checking at their end and confirmation from their side. WBSETCL and OPTCL are yet to confirm for the period from Jul'18 to Sep-18 and DVC is yet to confirm for the period from Oct'18 to Dec'18

DVC, OPTCL and WBSETCL may update.

B13.6: Reconciliation for payments made to STOA applicants:

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

CESC has confirmed for the above period. WBSEDCL is yet to confirm for the period Jul'18 to Dec'18. JIPL is yet to confirm for the period Jul'18 to Sep'18. JBVNL has not confirmed for the entire period.

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

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.

B13.7: Opening of LC by ER constituents for DSM payments – ERLDC Agenda

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

Quote

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

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

Unquote

The details of LC amount required to be opened in 2018-19 by ER constituents is given in **Annexure - XXIV**. Letters to this effect has been issued by ERLDC to the defaulting entities.

IBEUL & Tashiding (SHIGA) have to open fresh LC but they have not opened the LC till date.

BSPHCL, JUVNL, SIKKIM & APNRL have not been renewed after expiry of their LC. In 39th TCC/ERPC Meeting, JUVNL had assured to open the LC with requisite amount shortly. Rest of the constituents who have to open the LC have opened LC.

BSPHCL, JUVNL, SIKKIM, IBEUL, APNRL & TASHIDING (Shiga) may update.

ITEM NO. B14: Meter reading related issues – ERLDC Agenda

B14.1:Erroneous recording of data by Interface Meters

Following meters at different substation of PGCIL and BSPTCL is recording erroneous reading since last few weeks. The problem was informed to the respective substation through e mail and telephonically. However the problem of erroneous data of meters is still persisting.

S. No.	Substation	Name of Feeder	Meter S.No	Date start of problem	Issues
				(Date)	
PGCIL Substations					
1	MALDA	132 KV SIDE OF MALDA 220/132 160 MVA ICT-2	ER-1103-A	03.12.18	Reverse Polarity
2	BIRPARA	132 KV SIDE OF BIRPARA 220/132 160 MVA ICT-1	ER-1041-A	03.12.18	Reverse Polarity
3	BIRPARA	132 KV SIDE OF BIRPARA 220/132 160 MVA ICT-2	NP-5891-A	03.12.18	Reverse Polarity
4	BOLANGIR	220 KV SIDE BOLANGIR 400/220 KV 500 MVA ICT-I	ER-1573-A	03.12.18	Wrong Connection of CT/PT
5	BOLANGIR	220 KV SIDE BOLANGIR 400/220 KV 500 MVA ICT-2	NP-7919-A	03.12.18	Wrong Connection of CT/PT
6	MOTIHARI	132kV SIDE OF 200MVA MOTIHARI(DMTCL) ICT-1	ER-1174-A	03.12.18	Reverse Polarity
BSPTCL Substation					
1	BEGUSARAI	220kV Begusarai-Purnea-1	ER-1344-A	19.12.18	Reverse Polarity

The above issue was also discussed in 153rd OCC and PGCIL/BSPTCL was requested to resolve these issues at the earliest. However the problem is yet to be resolved.

PGCIL/BSPTCL may please update the status.

B14.2: Replacement of Non-functioning/defective Meters

B4.2.1: Talcher Solar NTPC

03 Nos. of L&T meters (NP-7626-A, NP-7630-A & NP-5968-A) installed at 11 KV Feeder at Talcher Solar is defective since last one and half months and due to which SEM data of these meters is not being received by ERLDC. At present Talcher Solar generation is being computed with Standby meters without any Back Up meter data. The matter was informed to PGCIL Odisha Project for replacement of these 03 nos. of meters at Talcher Solar immediately.

In 153rd OCC, PGCIL informed that all 03 meters at NTPC Talcher Solar have been replaced. However, till now neither meter details nor meter data have been sent to ERLDC.

PGCIL/NTPC may please respond.

B14.3: NTPC Barh ICT-3

As per information received from NTPC Barh, Meter NP-7482-A installed at HV side of 400/132 ICT-3 is defective since 21.11.18. Subsequently it was requested to Powergrid for replacement of the ICT meter. Till now ERLDC has neither received information of meter replacement nor getting meter data. NTPC has informed that the defective meter has been replaced by Genus Meter. In 153rd OCC, NTPC informed that due to non-availability of meter software, data could not be submitted and it will be submitted to ERLDC at the earliest. However, the data of Genus Meter is not being sent by NTPC Barh even after one month of replacement of meter. At present newly replaced meter is not connected through AMR.

PGCIL/NTPC may please respond.

B14.4: Ranchi PG

Meter No NP-7402-A installed at Ranchi New (PG) end of 400 KV Ranchi (PG) Line is not being received by ERLDC since more than last 3 months due to non-functioning of the meter. The above issue was raised in 38th CCM and 39th TCC/ERPC Meeting. In 38th CCM, Powergrid informed that the meter would be replaced by the 20th October, 2018.

In 153rd OCC, PGCIL informed that meter at Ranchi has been replaced and data is not been submitted to ERLDC due to software related issue.

Powergid may please update the status.

B14.5: Non Receipt of SEM data from various locations

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

B14.6: Ara and Kishanganj BSPHCL

Ara(BSPTCL) and Kishanganj(BSPTCL) end meter data of 132 KV Ara(PG) – Ara(BSPTCL) and 132 KV Purnea(PG) – Kishanganj(BSPTCL) Lines is not being received by ERLDC due to AMR related issue. The data of aforesaid meters was earlier reporting to AMR and data was taken by ERLDC from AMR. Due to problem in AMR at Ara and Kishanganj, BSPTCL was requested to send the meterdata from above 02 locations by downloading at their end till restoration of AMR.

In 152nd OCC meeting, it was informed that Modem at Arah was defective. OCC further advised BSPTCL to download the meter data using DCD and submit to ERLDC till restoration of AMR. The above issue was also discussed in 153rd OCC. Till now data is not being received at ERLDC end.

BSPHCL may please respond.

B14.7: Gelephu S/S in Bhutan

Gelephu end meter data of 132 KV Gelephu-Salakati(PG) Line is not being received by ERLDC since last 3 months. Bhutan NLDC informed that due to defective DCD data cable at Gelephu, they are not sending the data to ERLDC.

Similar problem was observed with DCD at Malbase. In 152nd OCC, Powergrid informed that they had handed over one DCD, cable and supporting software to BPC on 14th November 2018 to download the data of Malbase. Regarding Gelephu, BPC informed the downloading cable is defective and needs replacement. The issue of non-submission of Gelephu data was also discussed in 153rd OCC.

However the data of Gelephu is still not being received at ERLDC end and presently for Kurichu net Injection/Drawl and ER-NER flow computation, Salakati end data is being used without any proper validation of data of Salakati end. In 153rd OCC, DGPC agreed to communicate the issue to BPC.

PGCIL/Bhutan may please update.

ITEM NO. B15: Non-submission of weekly SEM readings by Tuesday noon from non-AMR Locations/ faulty AMR locations/ Genus meter locations – ERLDC Agenda

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. *Genus meters are installed at many locations in Eastern Region and data of Genus meters from those locations which are yet to be integrated in AMR are being sent manually and getting delayed in sending to ERLDC.* 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 one month is as below:

By Wednesday or later: Sasaram (PG), Patna(PG), BSPTCL(Sonnagar New), WBSETCL (North Bengal) & SIKKIM

POWERGRID, BSPTCL, WBSETCL & SIKKIM are again requested to please adhere to the schedule as per IEGC.

ITEM NO. B16: Implementation of 4th phase AMR including requirement of AMR data for SCADA Comparison – ERLDC Agenda

Overall Monthly Status Report of PGCIL AMR as on date			
			Date : 04 – Feb – 2019
Total Substation connected		146	
Total DCU connected		161	
Total Meter connected		978	
Details of Communicating Meter		Details of Non Communicating Meter	
Total Communicating Substation	117	Total non- Communicating Substation	29
Communicating DCU	132	Non Communicating DCU	29
Communicating meter	731	Non Communicating meter **	247
		** Reason for Meter non communication	
		Meter / Feeder OFF	53
		Meter replacement	48
		GPRS issue(Non-PGCIL Locations)	59
		AMC plan for TCS	39
		DC power issue at Substation(Kahalgaon-NTPC)	48

Presently 146 meters are connected through AMR system in ER. ERLDC is receiving data from 117 locations out of total 146 locations through AMR. The status of data receipt from the locations as on 04.02.2019 is as below:

There have been issues with the GPRS communication/DCU/Meter replacement for around 29 locations having 247 meters as mentioned above.

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

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

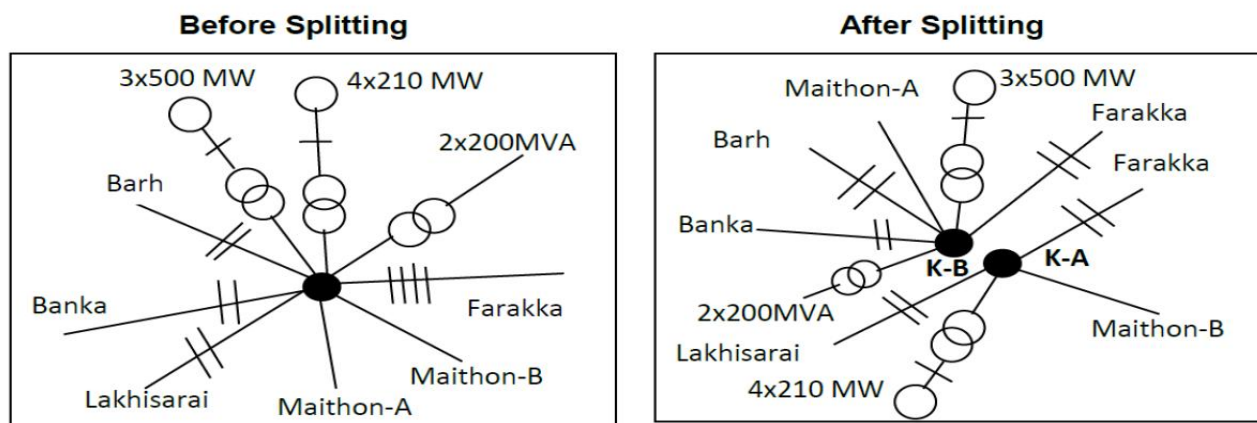
Moreover from Apr-19 onwards, meters of AMR Phase-1 are going out of AMC in every month. 200 Meters with 46 Locations AMR AMC is expiring in next 3 months. Month wise AMC expiry details are enclosed in **Annexure- XXVI**.

POWERGRID may update the latest status of implementation.

ITEM NO. B17: Actual Generation Segregation methodology of NTPC Kahalgaon Stage-I & II after Bus Splitting Scheme – ERLDC Agenda

The bus splitting scheme of Kahalgaon (NTPC) 400/132 was discussed and agreed in principle in 11th Standing Committee meeting of Eastern region held on 20th Sep 2010 and completion of Bus splitting scheme is expected during Feb 2019. The bus splitting scheme is as follows:

Kahalgaon Switchyard



As per the decision taken in 16th Commercial Sub Committee Meeting held on 23.02.2011, Kahalgaon NTPC Stage wise AG computation has to be done by apportioning AG (summation of all outgoing feeders) in proportion to stage wise GT. It was also decided to adopt this proposal as an interim measure. Accordingly, segregation of STG-I & STG-II generation of Kahalgaon (NTPC) as per above methodology was started w.e.f 01.04.2011 and the same is being followed till date.

Post bus splitting of Kahalgaon, the above methodology may be reviewed. Further after implementation of Bus Sectionaliser, Meter (Main & Check) may be installed at both end of Bus Sectionaliser.

NTPC may please update.

ITEM NO. B18: Replacement of GPRS communication with Optical Fiber for AMR – ERLDC Agenda

In ER, 80% meters are connected through Automated Meter Reading (AMR). At present the communication system used for data transfer from each location is GPRS. It has been observed that many locations are not communicating with AMR system due to poor/no GPRS signal. Many substations have their own optical fiber which is also used for the LAN network of respective stations. TCS has successfully connected 02 locations (Subhasgram-PG and Binaguri-PG) in ER-II with PGCIL intranet and these two locations are smoothly reporting to AMR system after connecting with PGCIL LAN. The proposed network will not only provide better communication but also reduce the cost of GSM.

In 150th OCC, POWERGRID informed that the replacement of GPRS communication of the Remaining 34 locations would be completed by December 2018. POWERGRID may please update the progress.

In 153rd OCC, Powergrid informed that optical fiber for AMR has been implemented at 30 locations out of total 38 locations and rest of the locations would be completed by February 2019.

Powergrid may please further update.

ITEM NO. B19: Procurement of new SEMs – ERLDC Agenda

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

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

In 145th OCC, PGCIL informed that 300 meters of 2nd lot has been supplied. Time drifted meters are being replaced by Genus meters phase wise.

In 38th CCM, PGCIL informed that 364 nos. (approx.) of SEMs would be delivered in 3rd phase and the inspection of the same is scheduled by December, 2018.

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

ITEM NO. B20: Agenda items by NHPC (Copy enclosed at Annexure - XXVII)

B12.1: Signing of reconciliation statement

The 3rd quarter of F.Y 2018-19 reconciliation statements are required to be signed on priority in respect of GRIDCO, WBSEDCL, Sikkim & Jharkhand besides II and III qtrs. in case of DVC.

GRIDCO, WBSEDCL, DVC, SIKKIM & Jharkhand may please update the plan for signing the reconciliation statements.

B12.2: Payment of Late Payment Surcharge by WBSEDCL

The total amount of LPS ₹ 28.78 Crs. against energy of TLDP-III has been adjusted from the payment received dated 06.12.2018 as per new NHPC payment and rebate scheme dated 10.07.2018 and accepted by WBSEDCL vide their letter No. CE/PTP/NHPC/293 dated 25.09.2018. Thus surcharge amount of ₹ 28.78 Crs is more than 60 days on balance principal amount as on 31.01.2019.

B12.3: Extension of PPA in r/o TLDP-III & IV Power Stations:

The PPA of TLDP-III Power station has already expired on 31.03.2018 while PPA for TLDP IV project is valid for 05 years period from COD and the same is expiring on 10.03.2021. Only the formal supplementary agreement is required to regularize extension of these PPA's which has been already confirmed by WBSEDCL vide letter dated 26.07.2012. It is pertinent to mention here that as per minutes of meeting of 103rd ERE Board held on 27.04.2002 at Chalsa and circulated by EREB vide their letter no. EREB/PSD/BOARD/2002/2970-3033 dated 24.05.2002, Principal Secretary (Power), Govt. of West Bengal have confirmed that the entire power from TLDP-III & TLDP-IV H.E. Projects would be absorbed by WBSEB as per the commitment of WBSEB to absorb entire power generated by both the power stations.

B12.4: Selling power from upcoming 500MW Teesta VI Project:

NHPC is envisaging to sell power from its upcoming 500MW, Teesta-VI project in Sikkim. Therefore, in principle consent for the entire period of life i.e 35 years is required from the

beneficiaries of Eastern region except for BSPHCL & JBVNL who have already given their consent.

ITEM NO. B21: Revision of commercial accounts after specified time – ERPC Agenda

ERPC Secretariat issues various commercial accounts such as weekly DSM, RRAS, FRAS and Reactive Accounts and monthly REA, RTA, RTDA etc. In recent past, we have received some letters regarding the revision of accounts of previous period dating long back due to various reasons.

Further it is mentioned that on the forwarding letter of all accounts, it is clearly mentioned that *“Constituents are requested to intimate any discrepancy / error within **stipulated time** from the date of issue of this provisional account. In case of any discrepancy/error, the provisional account would be revised based on re-examination, final decision and confirmation. In case no communication is received from any of the constituents indicating mistakes / discrepancy, the provisional account is issued, would be treated as final”*

In view of the above, it is requested all the constituents may adhere to the time line mentioned accordingly. From now onwards, any request from any utility for retrospective revision of any commercial account due to negligence of any sort on the part of that utility shall not be entertained beyond the timeline as specified.

Members may please note.

PART C: ITEMS FOR INFORMATION

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

1) State Transmission Utility Charges and Losses applicable for STOA for FY 2018-19

As available with ERLDC the STU charges and losses to be considered for STOA for FY 2018-19 are as follows:

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

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

Not yet intimated by the State Utility.

2) State Load Despatch Centre Operating Charges for STOA for FY 2018-19

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

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

This is for information to the members.

ITEM NO. C2: Information of Deviation/reactive payment in ER pool account

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

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

Members may note for compliance.

ITEM NO. C3: Updating of CT/PT Ratio

The meter details along with the CT/PT ratio has been uploaded at ERLDC website at link <https://erldc.in/market-operation/meter/>. 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. It is once again requested to the constituents/PGCIL to verify the Meter serial No, CT/PT ratio.

Members may please note

ITEM NO. C4: Submission of SEM data to ERLDC prior & after 6 hr of first time charging of new element

Before first time charging of any new element in the Grid, SEM details along with meter dummy data is being submitted by respective utility to ERLDC. The purpose of meter reading without power flow was to ensure its compatibility with RLDCs software and purpose of meter reading with power flow was to ensure its healthiness, correct connections of CT/PT and correct CT ratio.

Correctness of SEM readings is important for computing of drawl/Injection of a control area and inter-regional/trans-national energy flows as various accounts/billings are based on it. In view of the above, meter readings after six(6) hrs of power flow must be sent by the utilities to ERLDC before start of trial operation. Further the 24 hour trial operation would be assumed complete only when the both end meter readings for this period are correct.

It has been observed that SEM data is not being sent after 6 hrs of first time charging of new element. The issue was raised in 38th CCM also.

Members may please comply the same.

ITEM NO. C5: 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. *Genus meters are installed at many locations in Eastern Region and data of Genus meters from those locations which are yet to be integrated in AMR are being sent manually and getting delayed in sending to ERLDC.* 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 one month is as below:

By Wednesday or later: Sasaram(PG), Patna(PG), BSPTCL(Sonnagar New), WBSETCL (North Bengal) & SIKKIM

Powergrid, BSPTCL, WBSETCL & SIKKIM are again requested to adhere to the schedule as per IEGC.

ITEM NO. C6: Status of Start-up power drawl, infirm injection and CoD

Status of Start-up power drawl, infirm injection and CoD Declaration of Generator as Regional entity and Pool member is as follows:

1. Start Up power

S. No	Generator	Startup power granted	
		From	To
1.	OPGC(2x660MW)	15.01.2018	31.05.2019
2.	NPGC(2X660 MW)	10.05.2018	31.12.2019
3.	NTPC, Darlipalli(2X800MW)	31.05.2018	31.13.2019
4.	BRBCL U#3(250 MW)	14.09.2018	31.03.2019

2. Infirm Power

S. No	Generator	Infirm Injection Started From	6 month period would end by	Extension granted by CERC
1.	OPGC(2x660MW) Unit-3	23.01.2019	22.07.2019	NIL
2.	NPGC(2X660 MW) Unit-1	14.01.2019	13.07.2019	NIL
3.	NTPC, Darlipalli(2X800MW)	NIL	NIL	NIL
4.	BRBCL U#3(250 MW)	01.01.2019	30.06.2019	NIL

3. COD Declared: NIL

Members may please note.

ITEM NO. C7: Segregation of Tala and Chukha Energy

Order related to Dagachu scheduling was issued by Honorable CERC on 11th September 2014 via order no 187/MP/2014. As per CERC order, for computing the actual power of Tala and Chukha injected at Indian periphery, the actual injection of Dagachhu power as computed by meters installed on its outgoing lines and furnished by NLDC Bhutan, has to be subtracted from the total power injected at Binaguri (New Siliguri) and Birpara.

The total power of Tala and Chukha so arrived above will be apportioned amongst Tala and Chukha in the ratio of the Tala and Chukha receipt at Indian periphery in the corresponding month of the previous year as per the published figure in the Regional Energy Accounts.

After deriving the components of injection of Tala and Chukha at Indian periphery, the existing methodology of settlement with reference to Tala and Chukha injection shall be followed by ERPC. Accordingly, the above methodology was being used for Tala and Chukha energy segregation.

However it was observed that after adjusting Dagachu Power from the export of net power from Bhutan power at Indian Boundary, Bhutan has net import of India Power in the Month of Feb18 and March 18 and due to the same REA for Bhutan was suspended in Feb18 & Mar18.

In view of above, Due to non-availability of Tala and Chukha receipt at Indian Periphery and suspended REA in Feb18 & Mar18, Segregation of Tala and Chukha energy at Indian Periphery in Feb19 & March19 is being done as per Feb17 & March17 REA data. The issue was also discussed in 153rd OCC Meeting held on 21.01.2019.

This is for Information to the members.

ITEM NO. D1: Any additional agenda—With the permission of Chair.



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति
Eastern Regional Power Committee
14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033



Tel No.:033-24239651, 24239657 FAX No.:033-24239652, 24239652 Web: www.erpc.gov.in

No: ERPC/COM - I/REA/ 2018/ 3682-3700

Date: 11.01.2018.
12

FAX MESSAGE NO. – 17

From: Member Secretary, ERPC, Kolkata.

To: (As per list.)

CERC in its order dated 20.09.2016 in the Petition No. 130/MP/2015 along with I.A. No. 67/2017 has set aside the COD of 15/11/2014 in respect of unit – IV of Barh Super Thermal Power Station Stage – II (660 MW) and has fixed 08/03/2016 as the revised date of COD.

Accordingly, the REA, DSM and RTA for the period from 15.11.2014 to 07.03.2016 has been revised and given in Annexure – I, II & III respectively for kind information and necessary action by all concerned.

Regards,

Jaydev Bandyopadhyay 11/01/18
(J.Bandyopadhyay)
Member Secretary

DISTRIBUTION LIST:

BIHAR

1. Chief Engineer, Transmission (O&M), BSPTCL, Vidyut Bhavan, Bailey Road, Patna-800021 (Fax 0612-2504557/2227557)
2. ESE (Interstate), BSEB, Vidyut Bhavan, 3rd Floor, Bailey Road, Patna-800 021. (Fax 0612-2504557)

JHARKHAND

1. CE (Comml & Revenue), JBVNL, Engineering Building, H.E.C. Township, Dhurva, Ranchi-834004, Jharkhand . (Fax : 0651-2490486 / 2400799)
2. GM-cum-CE (Trans), JSEB, Kusai Colony, Duranda, Ranchi, Jharkhand (Fax:0651-2490486)

ODISHA

1. Sr. GM(PP), GRIDCO, 4th floor, Vidyut Bhawan, Janpath, Bhubaneswar-22. (Fax : 0674-2547180/2547261)
2. Sr. GM (PS), OPTCL, SLDC Bldg, PO Mancheswar Rly Colony, Bhubaneswar-17. (Fax: 0674-2748509)
3. Regional Executive Director (East-II), 3rd Floor, OCHC Building (New), 24, Janpath, Bhubaneswar - 751001
(Fax No. 0674-2394857)
4. Chief General Manager (RT & C), OPTCL, Janpath, Bhubaneswar-751022. (Tel FAX-0674 2542 120)

SIKKIM

1. CE (Trans.), Deptt. Of Power, Govt. of Sikkim, Gangtok.-737 101 (Fax: 03592-201148 / 202927)
2. Addl. Chief Engineer (SLDC/EHV), Deptt. of Power, Govt. of Sikkim, Kazi Road, Gangtok-737101 (FAX:03592 202927/209199)

WR (MP)

1. Chief Engineer (Commercial), M.P. Power Management Co. Ltd., Shakti Bhawan, Vidyut Nagar, Rampur, Jabalpur-482008 (Fax No. 0761-2661884)
2. Member Secretary, WRPC, MIDC Area, Marol, Andheri(E), Mumbai-400093 (Fax : 022 2837 0193).

NTPC

1. GM (Comml), NTPC Ltd, 7 Institutional Area, Lodhi Road, New Delhi-3 (Fax: 011-24360318 / 24368417)
2. AGM (Comml), NTPC Ltd, Loknayak Jaiprakash Bhawan, 2nd floor, Dak Banglow Chowk, Fraser Road, Patna-800 001. (Fax : 0612-2230035 / 2224287, 2211807)

PGCIL

1. AGM (Comml.), PGCIL, "Saudamini", Plot No.2, Sector -29, Gurgaon-122001, Haryana (Fax : 0124-2571760)
2. Addl. General Manager (Commercial), ERTS-I, POWERGRID, Boring Road, Alankar Place, Patna-800001.
(FAX: 0612 2234097/2228984)

NLDC/RLDC

1. ED-NLDC, POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-16 (Fax:01126524525)
2. GM, WRLDC, MIDC Area, Marol, Andheri (E), Mumbai-490093 (Fax: 022-28235434)
3. ED, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata-33 (Fax: 033-24235809, 2423 3648)

REVISED REGIONAL ENERGY ACCOUNTING FOR BARH STPS STAGE-II FROM NOVEMBER,2014 TO MARCH,2016 (CAPACITY CHARGES, INCENTIVE, IF ANY & ENERGY CHARGES BILLING)

Month	Beneficiaries	Share Allocation	Previous Capacity Charges Payable(As per REA published)	Current capacity charges payable (Revised REA)	Capacity Charges to be Refunded to Beneficiaries	Previous Drawal Schedule (As Per REA published)	Current Drawal Schedule(Revised REA)	Difference in Drawal Schedule(Energy Charges to be Refunded to Beneficiaries)
		(%)	(Rs.)	(Rs.)	(Rs)	(MWH)	(MWH)	(MWH)
Nov,14	BIHAR	65.080000	225527082	0.0000	225527082	106978.08200	0.00000	108978.08200
	JHARKHAND	6.060000	21000217	0.0000	21000217	10548.73900	0.00000	10548.73900
	ODISHA	12.570000	43559856	0.0000	43559856	15552.25800	0.00000	15552.25800
	SIKKIM	1.290000	4470343	0.0000	4470343	2264.68200	0.00000	2264.68200
	MADHYA PRADESH	15.000000	51980735	0.0000	51980735	0.00000	0.00000	0.00000
Dec,14	BIHAR	67.673321	299089017	0.0000	299089017	157074.69700	0.00000	157074.69700
	JHARKHAND	6.301480	27850022	0.0000	27850022	14923.57000	0.00000	14923.57000
	ODISHA	13.070892	57768116	0.0000	57768116	20654.45400	0.00000	20654.45400
	SIKKIM	1.341404	5928469	0.0000	5928469	3083.04400	0.00000	3083.04400
	MADHYA PRADESH	11.612903	51324387	0.0000	51324387	0.00000	0.00000	0.00000
Jan,15	BIHAR	76.564706	587142025	0.0000	587142025	275636.55500	0.00000	275636.55500
	JHARKHAND	7.129412	54672415	0.0000	54672415	28149.72400	0.00000	28149.72400
	ODISHA	14.788235	113404657	0.0000	113404657	7737.11300	0.00000	7737.11300
	SIKKIM	1.517647	11638187	0.0000	11638187	4854.72500	0.00000	4854.72500
Feb,15	BIHAR	76.564706	651831026	0.0000	651831026	269763.03800	0.00000	269763.03800
	JHARKHAND	7.129412	60696007	0.0000	60696007	18116.13700	0.00000	18116.13700
	ODISHA	14.788235	125899137	0.0000	125899137	8317.27400	0.00000	8317.27400
	SIKKIM	1.517647	12920436	0.0000	12920436	184.72000	0.00000	184.72000
15	BIHAR	76.564706	704084000	0.0000	704084000	332094.87900	0.00000	332094.87900
	JHARKHAND	7.129412	65561604	0.0000	65561604	17647.25000	0.00000	17647.25000
	ODISHA	14.788235	135991636	0.0000	135991636	7049.18600	0.00000	7049.18600
	SIKKIM	1.517647	13956182	0.0000	13956182	285.94200	0.00000	285.94200
Apr,15	BIHAR	76.564706	306012356	0.0000	306012356	146310.18177	0.00000	146310.18177
	JHARKHAND	7.129412	28494698	0.0000	28494698	3875.54942	0.00000	3875.54942
	ODISHA	14.788235	59105335	0.0000	59105335	5613.95731	0.00000	5613.95731
	SIKKIM	1.517647	6065703	0.0000	6065703	705.78294	0.00000	705.78294
May,15	BIHAR	76.564706	618956902	0.0000	618956902	302179.75226	0.00000	302179.75226
	JHARKHAND	7.129412	57634895	0.0000	57634895	2768.03184	0.00000	2768.03184
	ODISHA	14.788235	119549602	0.0000	119549602	6428.57607	0.00000	6428.57607
	SIKKIM	1.517647	12268813	0.0000	12268813	708.85497	0.00000	708.85497
June,15	BIHAR	76.564706	642378699	0.0000	642378699	284145.32830	0.00000	284145.32830
	JHARKHAND	7.129412	59815843	0.0000	59815843	7931.49725	0.00000	7931.49725
	ODISHA	14.788235	124073449	0.0000	124073449	13798.58945	0.00000	13798.58945
	SIKKIM	1.517647	12733074	0.0000	12733074	363.76322	0.00000	363.76322
July,15	BIHAR	76.564706	652884624	0.0000	652884624	279450.47652	0.00000	279450.47652
	JHARKHAND	7.129412	60794114	0.0000	60794114	13771.79637	0.00000	13771.79637
	ODISHA	14.788235	126102636	0.0000	126102636	29863.79205	0.00000	29863.79205
	SIKKIM	1.517647	12941320	0.0000	12941320	1368.73657	0.00000	1368.73657
Aug,15	BIHAR	76.564706	588703170	0.0000	588703170	301499.63595	0.00000	301499.63595
	JHARKHAND	7.129412	54817783	0.0000	54817783	20565.44646	0.00000	20565.44646
	ODISHA	14.788235	113706188	0.0000	113706188	23329.86771	0.00000	23329.86771
	SIKKIM	1.517647	11669131	0.0000	11669131	1102.13943	0.00000	1102.13943
Sept,15	BIHAR	76.564706	561787150	0.0000	561787150	323481.50868	0.00000	323481.50868
	JHARKHAND	7.129412	52311466	0.0000	52311466	29015.61987	0.00000	29015.61987
	ODISHA	14.788235	108507442	0.0000	108507442	6961.22535	0.00000	6961.22535
	SIKKIM	1.517647	11135608	0.0000	11135608	1668.06700	0.00000	1668.06700
Oct,15	BIHAR	76.564706	561787150	0.0000	561787150	313121.95818	0.00000	313121.95818
	JHARKHAND	7.129412	52311466	0.0000	52311466	21728.43208	0.00000	21728.43208
	ODISHA	14.788235	108507442	0.0000	108507442	6956.55040	0.00000	6956.55040
	SIKKIM	1.517647	11135608	0.0000	11135608	1565.94612	0.00000	1565.94612
Nov,15	BIHAR	76.564706	561787150	0.0000	561787150	273379.99962	0.00000	273379.99962
	JHARKHAND	7.129412	52311466	0.0000	52311466	24521.74265	0.00000	24521.74265
	ODISHA	14.788235	108507442	0.0000	108507442	21516.18991	0.00000	21516.18991
	SIKKIM	1.517647	11135608	0.0000	11135608	1248.75789	0.00000	1248.75789
Dec,15	BIHAR	76.564706	561787150	0.0000	561787150	285465.33450	0.00000	285465.33450
	JHARKHAND	7.129412	52311466	0.0000	52311466	26047.77536	0.00000	26047.77536
	ODISHA	14.788235	108507442	0.0000	108507442	10837.82772	0.00000	10837.82772
	SIKKIM	1.517647	11135608	0.0000	11135608	862.40432	0.00000	862.40432
Jan,16	BIHAR	76.564706	561787150	0.0000	561787150	308084.99415	0.00000	308084.99415
	JHARKHAND	7.129412	52311466	0.0000	52311466	33458.15994	0.00000	33458.15994
	ODISHA	14.788235	108507442	0.0000	108507442	2819.17963	0.00000	2819.17963
	SIKKIM	1.517647	11135608	0.0000	11135608	212.12911	0.00000	212.12911
Feb,16	BIHAR	76.564706	6741445799	168529117	6572916682	348494.74386	76963.27402	271531.46985
	JHARKHAND	7.129412	627737597	15692785	612044812	35174.22811	7592.11450	27582.11361
	ODISHA	14.788235	1302089304	32550875	1269538428	11487.85161	3151.13132	8336.72028
	SIKKIM	1.517647	133627301	3340543	130286757	1004.52314	185.06747	819.45567
Mar,16	BIHAR	76.564706	1123574300	1120634193	2940106	594862.16673	527100.32574	67761.84099
	JHARKHAND	7.129412	104622933	104349161	273771	53685.81868	47041.08008	6644.73860
	ODISHA	14.788235	217014884	216447012	567872	83393.81805	82428.33243	965.48563
	SIKKIM	1.517647	22271217	22212939	58278	3722.91709	3706.72220	16.19489
Total					19252338930			4825310

ANNEXURE-III

Revised RTA on account of change of COD of unit#4 of BARH St-II during the period of November-14 to March-16 as per CERC Order dated 20.09.17 in petition no. 130/MP/2015 with IA No. 67/2017

Month	Beneficiaries	As per RTA already issued by ERPC		Revised figure		Transmission Charges to be refunded to beneficiaries	
		MW share in Barh-II	Transmission Charges(in Rs.)	MW share in Barh-II	Transmission Charges(in Rs.)		
Nov-14	BIHAR	404.83	19014494	0	0	19014494	Transmission charges = station PoC charges
	JHARKHAND	37.7	1770557	0	0	1770557	
	ODISHA	78.19	3672590	0	0	3672590	
	SIKKIM	8.02	376901	0	0	376901	
	WR(M.P.)	93.31	4382566	0	0	4382566	
Dec-14	BIHAR	420.96	37072851	0	0	37072851	
	JHARKHAND	39.2	3452082	0	0	3452082	
	ODISHA	81.31	7160506	0	0	7160506	
	SIKKIM	8.34	734849	0	0	734849	
	WR(M.P.)	72.24	6361790	0	0	6361790	
Jan-15	BIHAR	476.27	58187427	0	0	58187427	
	JHARKHAND	44.35	5418190	0	0	5418190	
	ODISHA	91.99	11238721	0	0	11238721	
Feb-15	SIKKIM	9.44	1153377	0	0	1153377	
	BIHAR	476.27	58187427	0	0	58187427	
	JHARKHAND	44.35	5418190	0	0	5418190	
	ODISHA	91.99	11238721	0	0	11238721	
	SIKKIM	9.44	1153377	0	0	1153377	
Mar-15	BIHAR	476.27	58187427	0	0	58187427	
	JHARKHAND	44.35	5418190	0	0	5418190	
	ODISHA	91.99	11238721	0	0	11238721	
	SIKKIM	9.44	1153377	0	0	1153377	
Apr-15	BIHAR	476.27	58187427	0	0	58187427	
	JHARKHAND	44.35	5418190	0	0	5418190	
	ODISHA	91.99	11238721	0	0	11238721	
	SIKKIM	9.44	1153377	0	0	1153377	
	BIHAR	476.27	78183531	0	0	78183531	
May-15	JHARKHAND	44.35	5826171	0	0	5826171	Transmission charges = PoC charges+ Reliability Support Charges
	ODISHA	91.99	15100894	0	0	15100894	
	SIKKIM	9.44	621039	0	0	621039	
	BIHAR	476.27	78183531	0	0	78183531	
Jun-15	JHARKHAND	44.35	5826171	0	0	5826171	
	ODISHA	91.99	15100894	0	0	15100894	
	SIKKIM	9.44	621039	0	0	621039	
	BIHAR	476.27	124118343	0	0	124118343	
Jul-15	JHARKHAND	44.35	10212031	0	0	10212031	
	ODISHA	91.99	15598836	0	0	15598836	
	SIKKIM	9.44	741389	0	0	741389	
	BIHAR	476.27	124118343	0	0	124118343	
Aug-15	JHARKHAND	44.35	10212031	0	0	10212031	
	ODISHA	91.99	15598836	0	0	15598836	
	SIKKIM	9.44	741389	0	0	741389	
	BIHAR	476.27	124118343	0	0	124118343	
Sep-15	JHARKHAND	44.35	10212031	0	0	10212031	
	ODISHA	91.99	15598836	0	0	15598836	
	SIKKIM	9.44	741389	0	0	741389	
	BIHAR	476.27	142750502	0	0	142750502	
Oct-15	JHARKHAND	44.35	9028063	0	0	9028063	
	ODISHA	91.99	12828557	0	0	12828557	
	SIKKIM	9.44	711276	0	0	711276	
	BIHAR	476.27	142750502	0	0	142750502	
Nov-15	JHARKHAND	44.35	9028063	0	0	9028063	
	ODISHA	91.99	12828557	0	0	12828557	
	SIKKIM	9.44	711276	0	0	711276	
	BIHAR	476.27	142750502	0	0	142750502	
Dec-15	JHARKHAND	44.35	9028063	0	0	9028063	
	ODISHA	91.99	12828557	0	0	12828557	
	SIKKIM	9.44	711276	0	0	711276	
	BIHAR	476.27	144563662	0	0	144563662	
Jan-16	JHARKHAND	44.35	7220579	0	0	7220579	Transmission charges= PoC Charges+ Reliability Support Charges+HVDC Charges
	ODISHA	91.99	18213100	0	0	18213100	
	SIKKIM	9.44	872700	0	0	872700	
	BIHAR	476.27	144563662	0	0	144563662	
Feb-16	JHARKHAND	44.35	7220579	0	0	7220579	
	ODISHA	91.99	18213100	0	0	18213100	
	SIKKIM	9.44	872700	0	0	872700	
	BIHAR	107.54	32642784	0	0	32642784	
Mar-16	JHARKHAND	10.01	1630365	0	0	1630365	
	ODISHA	20.77	4112560	0	0	4112560	
	SIKKIM	2.13	197068	0	0	197068	

Annexure-II

Revised DSM Statement on account of change of COD of Unit 4 of Barh Stage-II in the period 15.11.14-07.03.16 as per CERC order dated 20.09.17 in Petition No. 130/MP/2015

I. Calculation of Deviation Charge of Barh St-II Unit 4 INFIRM for the period 15.11.2014-07.03,2016

Deviation Charges receivable by Barh St-II Unit 4 INFIRM from the pool for the period 15.11.14-07.03.16 = **Rs. 636.8593474 Crore**

Charges to be paid by beneficiaries to the pool for the above period **

Beneficiary	Rs. (Crore)
BSPHCL	564.8512231
JUVNL	41.0085656
GRIDCO	25.5745384
SIKKIM	2.7492379
MP(WR)	2.6757824
Total	636.8593474

** However the beneficiaries will get refund of Energy Charges, Capacity Charges and Transmission Charges on account of Barh St-II Unit 4 INFIRM for the period 15.11.2014-07.03.2016 which are shown in different sheets.

II. Adjustment of Deviation Charge of Barh St-II Unit 4 for the period 15.11.2014-07.03.2016

Period	Prerevised		Revised		Adjustment	
	Payable (Rs. in Crore)	Receivable (Rs. in crore)	Payable (Rs. in Crore)	Receivable (Rs. in crore)	Payable (Rs. in Crore)	Receivable (Rs. in crore)
15.11.14-17.02.16	63.1112737 (Unit-4)		0 (Unit-4)			63.1112737
18.02.16-07.03.16		0.0814222 (Unit-4 + Unit-5)		0.1185666 (Unit-5)		0.0371444

So Deviation Charges receivable by Barh from the Pool for the above period is =Rs. 63.1112737 Crore + RS. 0.037144 Crore = **Rs. 63.1484181 Crore**



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति



Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033

Tel No.:033-24239651, 24239657 FAX No.:033-24239652, 24239652 Web: www.erpc.gov.in

No: ERPC/COM- I/REA/ 2018/ 3780-3798

Date: 02.02.2018

FAX MESSAGE NO. - 48

From: Member Secretary, ERPC, Kolkata.

To: As per list

In continuation to even No. letter dated 11/12.01.2018, RTDA statement for the period from 15.11.2014 to 07.03.2016 has been revised and given in Annexure-I for kind information and necessary action by all concerned. The revision has been done on account of change in COD date of Unit 4 of Barh Stage-II to 08.03.16 as per CERC order dated 20.09.17 in Petition No. 130/MP/2015.

Regards,

J. Bandyopadhyay 02/02/2018
(J.Bandyopadhyay)
Member Secretary

*Fax sent
5/2/18*

Revised RTDA Statement on account of change of COD of Unit 4 of Barh Stage-II in the period 15.11.14-07.03.16 as per CERC order dated 20.09.17 in Petition No. 130/MP/2015

I. Calculation of Transmission Deviation Charge of Barh St-II Unit 4 INFIRM for the period 15.11.2014-07.03.2016

Month	BARH INFIRM	
	Energy(MWh)	Transmission Deviation Charges (Rs)
Nov-14	147838.6881	18198942.51
	-1001.672875	143339.3884
Dec-14	185896.4635	22883854.66
	-4998.82931	715332.4743
Jan-15	301117.2253	38814010.34
	-1930.76482	248875.5853
Feb-15	279582.4229	36038174.31
	-524.3484	67588.50876
Mar-15	328251.9161	42311671.99
	-268.27705	34580.91175
Apr-15	139435.3898	7613172.283
	-3961.351271	512994.9896
May-15	278920.8592	15229078.91
	-1521.841383	197078.4591
Jun-15	275556.5576	15045388.04
	-1027.89	133111.755
Jul-15	292565.5964	18753454.73
	-461.969	87173.5503
Aug-15	327311.3917	20980660.21
	-275.5693	51999.92691
Sep-15	339057.6225	21733593.6
	-750.76544	141669.4385
Oct-15	332389.3181	17649872.79
	0	0
Nov-15	303141.9391	16096836.97
	0	0
Dec-15	320102.028	16997417.69
	-729.599	159417.3815
Jan-16	343280.8588	21317741.33
	0	0
Feb-16	302312.54	18773608.73
	-1263.956	261386.1008
Mar-16	95940.83569	5957925.896
	0	0
Total Rs		35.715 Crore

(+)→ Injection of Energy
(-)→ Drawl of Energy

So Transmission Deviation Charges payable by Barh St-II Unit 4 INFIRM for the period 15.11.14-07.03.16 = **Rs. 35.715 Crore**

II. Adjustment of Transmission Deviation Charge of Barh St-II Unit 4 for the period 15.11.2014-07.03.2016

Month	TRANSMISSION DEVIATION CHARGE UPTO PERMITTED LIMIT (Rs.)	TRANSMISSION DEVIATION CHARGE BEYOND PERMITTED LIMIT (Rs.)
Nov-14	154.01	204216
Dec-14	0	1019136
Jan-15	0	407633
Feb-15	0	110702
Mar-15	0	172998
Apr-15	0	836340
May-15	0	376275
Jun-15	0	246261
Jul-15	0	85002
Aug-15	0	68135
Sep-15	0	138141
Oct-15	0	0
Nov-15	0	0
Dec-15	0	180393
Jan-16	1723.04	0
Feb-16	1046.74	402886
Mar-16	263099.2	0
Total Rs.	2.660 Lakhs	42.48118 Lakhs

So the following adjustments have to be done

A) Rs 2.66 Lakhs to be refunded to the beneficiaries for the above period

Month	BSPHCL	JUVNL	GRIDCO	SIKKIM	WR(MP)
Nov-14	100.229708	9.333006	19.359057	1.986729	23.1015
Jan-16	1319.228346	122.8355216	254.837616	26.190208	0
Feb-16	801.4260136	74.6220946	154.812846	15.910448	0
Mar-16	201439.2715	18756.34197	38912.37168	3999.10784	0
Total Rs	203660	18963	39341	4043	23

B) Rs 42.48118 Lakhs to be refunded to Barh for the above period

Agenda Notes on Security Constrained Economic Dispatch (SCED) of Inter-State Generating Stations Pan-India

- Hon'ble Commission, vide Order in Petition No. 02/SM/2019 (Suo-Motu) dtd. 31st January, 2019, directed for Pilot on SCED of Inter-State Generating Stations (ISGS) Pan India <http://cercind.gov.in/2019/orders/02-SM-2019.pdf>
- The Central Commission observed that there is an overarching objective to optimize the Scheduling and dispatch of the generation resources and reduce the overall cost of Production of electricity without major structural changes in the existing System/framework. SCED is a desired step in the Indian grid operation towards optimization methodologies. SCED is an involved procedure requiring developing software, creating interfaces and establishing various protocols, information dissemination and streamlining settlement system etc.
- Accordingly, the Commission directed for pilot of SCED for the Inter-State Generating Stations, on pilot basis, **w.e.f. 01st April, 2019.**
- The SCED optimization model is for all the thermal Inter State Generating Stations (ISGS) that are regional entities and whose tariff is determined or adopted by the Commission for their full capacity without violating grid security and honouring the existing scheduling practices prescribed in the Indian Electricity Grid Code.
- A Detailed Procedure would be formulated that would contain the guidelines regarding operational aspects of SCED including scheduling, dispatch, accounting, settlement etc.
- The variable charges declared by the generators for the purpose of Reserve Regulation Ancillary Services (RRAS) would be considered in the optimization process.
- Schedules of the States/beneficiaries would not be changed and the beneficiaries would continue to pay the charges for the scheduled energy directly to the generator as per the existing practices.
- NLDC would open a separate bank account called "National Pool Account (SCED)". All payments to/from the generators on account of SCED schedules would flow to and from the said National Pool Account.
- For any increment in the injection schedule of a generator due to optimization, the generator would be paid from the National Pool Account (SCED) for the incremental generation at the rate of its variable charge.
- For any decrement in the schedule of a generator due to optimization, the generator would pay to the aforesaid National Pool Account (SCED) for the decrement generation at the rate of its variable charge after discounting compensation due to part load operation as certified by RPC as per the provisions of IEGC.
- The incremental changes in schedules on account of optimization would not be considered for incentive computation for the generating stations. The deviation in respect of such generators would be settled with reference to their revised schedule. The increment or decrement of generation under SCED would not form part of RRAS.
- RPCs would issue weekly SCED accounts along with the DSM, RRAS, FRAS and AGC accounts based on data provided to them by RLDCs.

- RPCs would issue the regional accounts including the SCED schedules and NLDC would issue a consolidated "National SCED Settlement Statement" comprising payment and receipts to/from all generators participating in the SCED.
- The savings obtained through SCED after settlement of all accounts of SCED would be recorded and maintained in the "National Pool Account (SCED) " by the NLDC.
- CTU is directed to ensure reliable communication between the respective generating stations and Load Despatch Centres.
- As and when the detailed procedure on implementation of SCED pan-India is finalized, the same would also be circulated in the forthcoming OCC meetings in the month of March, 2019.



एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

फोन/Phone : _____

दिनांक/Date : **24/01/2019**

संदर्भ सं./Ref. No. **एनएच/ओ&एम/जीएमसी/223**

**Member Secretary,
Eastern Regional Power Committee (ERPC)
14, Golf Club Road,
Tolleyganj,
Kolkata-700033**

**Sub: 39th Commercial Sub-Committee Meeting to be held on 18th February 2019:
Agenda thereof.
Ref.: ERPC Letter No. ERPC/COM-I/CCM/2018-19/8046-79 Dated 22/01/2019.**

महोदय,

This is in reference to your referred letter on the captioned subject. The Agenda Point of NHPC is attached herewith as Annexure-I for inclusion in 39th Commercial Meeting of ERPC to be held on 18th February 2019.

Thanking You.

Encl.: As above.

भवदीय,

V K Sinha
24/1/19
(V K Sinha)

General Manager (O&M)-I

39th Commercial Sub-Committee Meeting of ERPC to be held
18th February 2019.

Agenda: CERC DSM Regulation, (4th Amendment)- Discrepancy in Actual Transmission data of Rangit Power Station, NHPC.

As per CERC DSM Regulation, (4th Amendment issued by CERC vide order No. L-1/132/2013-CERC dated 20/11/2018) in the event of sustained deviation from schedule in one direction by any regional entity, such Regional entity shall have to change sign of their deviation from schedule at least once after every 6 time blocks. The violation under this clause attracts additional charges of 20% on the daily DSM payable/receivable. In case of Rangit Power Station (3X20MW) of NHPC when machines are not operational (Off peak hour in lean season) and schedules is zero the actual transmission figures are non-zero resulting in deviation from schedule. In this scenario, when there is no injection of Power from Rangit, the actual transmission figures are beyond control of Power Station, therefore it is not possible to do the sign reversal of deviation from schedule as stipulated in the above said regulations resulting in additional charges to NHPC.

Similar case also existed in Northern Region, which was taken up with NRPC in the 155th OCC Meeting of NRPC held on 17th January 2019, wherein it was decided that ***“where injection schedule given to the generator is zero and the power from the grid is being drawn by the generator for their auxiliary consumption, in such scenario, no “additional Charge” for sustained deviation shall be imposed”***.

Accordingly, the Deviation Settlement Account for the week 31st December 2018 to 06th January 2019 has also been issued by NRPC on above assumptions (Copy attached).

In view of above, it is requested that in above condition when there is no injection from Rangit Power House or in such cases, the additional charge as Penalty on sign change may not be considered.

It is also requested that the supporting file of Deviation Settlement Account may also be provided to the utilities so that the data considered for calculation of deviation charges can be verified by the utilities. The same is being provided by NRPC/NERPC.

Subject: **REG: Additional deviation charges imposed on TUL by ERPC during zero schedule** Date: 02/08/19 06:35 PM
 To: "mserpc-power@nic.in" <mserpc-power@nic.in>,
 "dk.jain@posco.in" <dk.jain@posco.in>
 Cc: BD Kumar <devendra.b@teestaurja.com>,
 Yogendra Kumar <ykumar@teestaurja.com>,
 Jaideep Lakhtakia <jaideep.l@teestaurja.com>
 From: DP Bhargava <dpbhargava@teestaurja.com>

Sir,

Subject: Additional deviation charges imposed on TUL by ERPC during zero schedule

We would like to highlight that when the generation schedule of Teesta-III HEP is '0', only grid power is flowing through Teesta-III HEP bus-bar. During such period additional deviation charges has been imposed on Teesta-III HEP ,due to no sign change. We have been penalized to the tune of Rs. 1.75 lacs as DSM charges for the the period of 01-Jan-2019 to 20-Jan-2018 by ERPC. Summary of the same is given below:

Additional deviation charges (ADC) during 01-Jan-19 to 20-Jan-19							
Sl.No	Description		1-Jan-19 to 6-Jan-19	7-Jan-19 to 13- Jan-19	14-Jan-19 to 20- Jan-19	Total value(Rs)	Remarks
1	During Machine Idle Condition (Generation SCH-Zero)	ADC due to sign change when Machine is Idle	-200578.45	-96807.53	-66992.29	-364378.27	By considering both ADC due to sign change and revenue during machine was in idle condition ,Penalty of Rs 1.75 Lakhs was paid from TUL to ERPC for the period of 1-Jan-19 to 20-Jan-19
		ADC due to volume limit when machine is Idle	-42128.82	-31731.31	-35419.15	-109279.28	
2	Total revenue earned when Machine is in Idle Condition(Generation SCH- Zero)		105189.02	147299.89	45189.66	297678.57	

Since our generation schedule is zero, we should not be penalized due to flow of grid power through Teesta-III bus bar. Therefore, it is requested that above issue may kindly be included as an agenda item for the following meetings

39th Commercial Sub committee on 18th Feb-2019 at ERPC, Kolkata
 154th OCC Meeting on 21-Feb-2019 at MejiaTPS, DVC, Mejia, WB

With Regards,
 D.P. Bhargava
 Chief Consultant (Operations & Maintenance)
 Teesta Urja Limited

Subject: **Reg : 39 ERPC Commercial Meeting**

To: eecom1.erpc@gov.in

Cc: sanjeev.upadhyay@gatiinfra.com, r.sharma@gatiinfra.com,
ved.goyal@gatiinfra.com

Date: 02/05/19 05:33 PM

From: manoj.sen@gatiinfra.com

Sir,

In reference to the letter bearing No. ERPC/COM-II/CCM/2018-19/8046-79 dated 22-01-2019; two agenda points could be included on behalf of Chuzachen Hydro Electric Project for the 39th Commercial Sub-committee meeting of ERPC scheduled to be held on 18-02-2019 11 a.m. At ERPC Conference Room, Kolkata.

The agenda points to be included are as below:

1. When the generation schedule for Chuzachen HEP is zero; Chuzachen HEP acts as a LILO for the 132 KV Rangpo-Chuzachen-Gangtok Circuit. The direction of power flow on this circuit is dependent on the grid conditions due to which **Chuzachen HEP should be exempted from the sign change rule as we have no role to play in the import or export of power under this condition on this circuit.**
2. Chuzachen is a run-of -river plant with restricted pondage. During the transitional months of May to June; there are sudden increases of hydrology in the Himalayan region and a 1% cap for additional generation is not enough to utilize the water potential available then as reservoir storage will be exceeded. **Hence for transitional months; additional generation cap should be sufficiently increased** as loss of water is a loss of revenue for the company as well as the nation.

Regards

MANOJ SEN

Project Head

Gati Infrastructure Pvt Ltd.

Lower Bering Karabari, Pakyong

East Sikkim, 737106

+91-8170012388

www.gatiinfra.com

Express Distribution | M-VATS | Warehousing Solutions | Cold Chain | e-Commerce Logistics | Freight Forwarding | Trading Solutions Visit us : www.gati.com www.gatikwe.com Call us : 1860-123-4284

DISCLAIMER: This message (Including any attachments) is confidential and is intended only for the addressee. All Gati-Kintetsu Express Pvt Ltd. mails and attachments are scanned for all known viruses at the time of transmission. However, please scan the mail and attachments for viruses before opening or down loading from this transmission. We will not accept any liability for damages through virus. If you are not the intended recipient or received this message by mistake, please notify the sender by E-mail & delete the message from the system. Any unauthorized use or dissemination of the message in whole or part is strictly prohibited.



DANS ENERGY PRIVATE LIMITED

Site Office: Housing Complex, Jorethang,

South Sikkim - 737121

Tel.: +91-3595-276408

Dated : 12th February, 2019
DEPL/JLHEP/O&M/18-19/ERLDC/001

To
The Member Secretary
Eastern Region Power Committee (ERPC)
14, Golf Club Road, Tollygunj
Kolkata-700033

Kind Attn: Mr. J. Bandyopadhyaya

Subject: DSM Sign Change penalty getting by DANS Energy Pvt. Ltd. due to negative power being captured by Special Energy Meters at New Melli Grid-reg.

Dear Sir,

With reference to the above subject, this is to bring to your kind notice that the error in the Special Energy Meters (SEM) at New Melli end, which has been installed by PGCIL and its showing negative power during the declaration of zero scheduled power by Us. (attached Jan-2019 data).

As per Central Electricity Regulatory commission (CERC) 4th Amendment DSM regulations dated 20-11-2019,

Clause no. 4.19 "In the event of sustained deviation from schedule in one direction (positive or negative) by any regional entity (buyer or seller), such regional entity shall have to change sign of their deviation from schedule, at least once, after every 6 time blocks. To illustrate, if a regional entity has positive deviation from schedule from 07.30 hrs to 09.00hrs, sign of its deviation from schedule shall be changed in the 7th time block i.e. 09.00hrs to 09.15hrs from positive to negative or vice versa as the case may be."

Provided that violation of the requirement under this clause shall attract an additional charge of 20% on the daily base DSM payable / receivable as the case may be."

Clause no. 4.20 "(11a) the additional charge for violation of sign change stipulation shall be leviable for each such violation during a day."

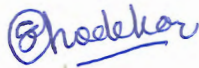
To illustrate, the change of sign should take place at least once after every six time blocks. Accordingly, the entity, starting from time block t1, should change the sign after time block t6. In case, sign change does not take place immediately after time block t6, but takes place from time block t7 upto time block t12, additional charge shall be levied equivalent to one violation. In case, sign change does not take place immediately after time block t12, but takes place from time block t13 upto time block t18, additional charge shall be levied equivalent to two violations."

With reference to the above clauses, DEPL receiving the DSM sign change penalty charges during the negative power captured time blocks in the SEM, which is connected at New Melli by PGCIL.

Hence, we request you to ERPC to please check and resolve the technical error in the SEM on priority basis to avoid DSM Sign change penalty and negative power being captured at receiving end, without any import/start up power from grid to DEPL during the plant shut down period.

Thanking You,

Yours faithfully,
For DANS Energy Pvt. Ltd.

A handwritten signature in blue ink, appearing to read 'Chodkar'.

Authorized Signatory



Enclosures:

- 1) DSM Bills period from 1-06-2019 to 27-1-2019
- 2) Calculation sheet of Negative Power captured by SEM during the period from 1-1-2019 to 27-01-2019.

Copy To:

1. The Deputy General Manager (SO), Eastern Region Load Dispatch Centre (ERLDC), 14, Golf Club Road, Tollygunj, Kolkata-700033
2. The Deputy General Manager (MO), Eastern Region Load Dispatch Centre (ERLDC), 14, Golf Club Road, Tollygunj, Kolkata-700033



पूर्वा क्षेत्रीय विद्युत समित
Eastern Regional Power Committee
डायरी सं०/Diary No- 1600
दिनांक/Date 08/01/19
भारत सरकार/Govt of India
14, गोल्फ क्लब रोड टालीगंज
14, Golf Club Road
कोलकाता-33. Kolkata-33

नबीनगर पावर जेनरेटिंग कंपनी प्रा० लि०
(एनटीपीसी की पूर्ण स्वामित्व सहायक कम्पनी)

Nabinagar Power Generating Co. Pvt. Ltd
(Wholly owned Subsidiary of NTPC Ltd)
नबीनगर सुपर थर्मल पावर प्रोजेक्ट
Nabinagar Super Thermal Power Project

Ref. No.0370/NPGC/EED

Dated: 07.01.2019

To,
Member Secretary.
ERPC, 14
Golf Club Road, Tollygunge,
Kolkata 700033
WB, India

Kind Attn: Sh. J Bandyopadhyay

Sub: Reconciliation of Deviation charges & RTDA account of NPGC for the period of 10th May 2018 to 23rd December 2018.

Dear Sir,

We would like to request you for a reconciliation of deviation charges & RTDA account of NPGC for the period of 10th May 2018 to 23rd Dec 2018. It may be noted that during submission of first charging formats to the ERLDC, Special energy meter ratio was erroneously mentioned by NPGC as 1200:1. however in actual opted ratio of station transformer metering core CT is 600:1. and this can be verified with approved metering scheme of NPGC Nabinagar, approved cable schedule of station transformer bay and also with field testing reports of current transformer of 132kV ST bay 101.(enclosed)

Due to this typographical error, Meter charges levied by ERPC are being excessively charged i.e. more than consumption of actual MWH. The same can be verified by comparing the ST energy meters with Gaya Line-1 & Gaya Line -2 meters combined (enclosed Annexure-1).

Energy Drawl in MWH from 10 th May 2018 to 23 rd Dec 2018	ST SEM reading	(Gaya Line I +Line II) SEM reading
	28541.93	15504.93

In the beginning there were less electrical loading and due to inability of precise measurement of energy meter at lower load, difference between consumed load by ST and inflow by both lines were not double but SEM reading at ST was always higher than both the lines combined. We came to know about the said discrepancy in last December when commissioning activities were on full swing at NPGC and the readings of SEM at ST was double as compared to both inflows of Gaya Line I & Gaya Line II combined. It was immediately brought to kind notice of ERLDC.

Hence, it is a humble request to condone the typographical error and actual consumed energy charges according to actually opted CT ratio i.e. 600/1 may be considered from initial charging date 10th May 2018 upto 23rd December 2018. Accordingly necessary reconciliation of RTDA account & deviation charge of NPGC may be done and excessive payment may be considered as credit on account of NPGC.

Thanking You,

Yours Sincerely,

Virendra Prasad

Addl. General Manager (EE)

Nabinagar Power Generating Company Pvt. Ltd.

Copies: -

Mr. D K Jain, ED, ERLDC Kolkata.

प्रोजेक्ट : नबीनगर सुपर थर्मल पावर प्रोजेक्ट शिवपुर, पो-अंकोरा रा.ए.ब. जिला-औरंगाबाद-824303 (बिहार) / Project Office : Nabinagar Super Thermal Power Project Shivanpur, P.O.-Ankora RS, Dist.-Aurangabad-824303 (Bihar), Ph. : 06332-231002-12
मुख्यालय : विद्युत भवन-II, प्रथम तल, बेली रोड, पटना-800 001, फोन-0612-2504010, फैक्स-0612-2504098 / Head Qtr. : Head Office - 1st Floor, Vidyut Bhawan-II, Bailey Road, Patna - 800 001, Ph. : 0612-2504010, Fax: 0612-2504098
पंजीकृत कार्यालय : एन टी पी सी भवन, स्कोप कॉम्प्लेक्स, 7, इण्टीट्रान्स एरिया, लोदी रोड, नई दिल्ली-110 003 / Registered Office : NTPC Bhawan, SCOPE Complex, 7, Institutional Area, Lodhi Road, New Delhi - 110 003

CIN - U40104DL2008PTC183024



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति

Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033



Annexure-VIII

Tel No.:033-24239650, 24239651 FAX No.:033-24239652, 24239653 Web: www.erpc.gov.in

NO. ERPC/ OPERATION/2018-19/ ३७२०-२१

DATE: 01.02.2019

To,

1. Executive Director, ERLDC, POSOCO, 14 Golf Club Road, Kolkata -700 033
2. Addl. General Manager (EE), Nabinagar Power Generation Company Pvt. Ltd., Nabinagar STPP, Shivanpur, P.O. Ankorha RS, Dist. Aurangabad, Bihar- 824303

Sub: Special meeting to discuss the issue related to erroneous CT ratio for Special Energy Meter (SEM) readings of NPGC for the period 10.05.18 to 23.12.18- reg.

Sir,

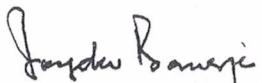
Nabinagar Power Generation Company Pvt. Ltd. (NPGC) vide letter No. 0370/NPGC/EED dated 07.01.19 has informed that during submission of first charging formats to ERLDC, Special Energy Meter ration was erroneously mentioned as 1200:1 by them but in actual the opted CT ratio of Station Transformer is 600:1. Due to this error the Actual Energy drawl (MWH) considered for DSM & RTDA Accounts are much higher than the actual energy consumption.

Therefore notice is hereby given that a special meeting will be held on **7th February, 2019 (Thursday) at 15:30 hrs at ERPC, Kolkata** to discuss the **issue related to erroneous CT ratio for Special Energy Meter (SEM) readings of NPGC** for the subjected period.

You are requested to make it convenient to attend the meeting or depute a suitable officer with all the relevant details. Your participation in the meeting is highly solicited.

Thanking you,

Yours faithfully,


(J. Bandyopadhyay)
Member Secretary

Eastern Regional Power Committee, Kolkata

Minutes of Special Meeting to discuss the issue related to Special Energy Meter (SEM) readings of NPGC, Nabinagar held on 07.02.2019 at ERPC Kolkata

Member Secretary, ERPC welcomed all the participants to the special meeting. He informed that this special meeting was convened on a short notice as per the request of NPGC to discuss the issue related to erroneous CT ratio for Special Energy Meter (SEM) readings of NPGC for the period 10.05.2018 to 23.12.2018.

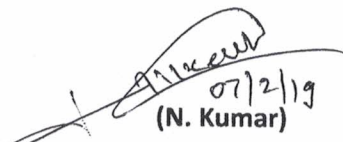
NPGC representative explained that while submitting the documents for first charging, the CT ratio for metering was inadvertently declared as 1200:1 which is actually 600:1. He also clarified that in the scheme of metering and cable schedule documents, the CT ratio is 600:1. As a result, NPGC, Nabinagar ended up paying more for the DSM as well as RTDA Accounts.


ERLDC informed that the above issue has come into observation in December, 2018 and the corrected CT ratio of 600:1 has been considered w.e.f. 24.12.2018.

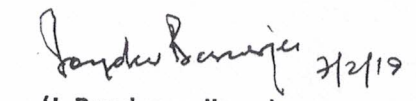
The issue was discussed in details and the documents provided by NPGC was verified. During the discussion it emerged that the actual CT ratio adopted is 600:1. The following decisions were taken:

1. NPGC will submit an affidavit mentioning the above inadvertent error and the actual CT ratio adopted for metering by 14.02.2019 with all supporting documents.
2. After receipt of the affidavit, ERPC will revise the affected account(s) for the period 10.05.2018 to 23.12.2018.
3. The DSM pool members would not be affected due to revision in DSM account.
4. The adjustment in DSM account would be done in maximum six installments subject to availability of fund in DSM pool.
5. NPGC was advised that this type of error should not be repeated in future.

The meeting ended with vote of thanks to the chair.


(N. Kumar)
07/2/19
Manager, NPGC


(G. Mitra)
7/2/19
Sr. GM, ERLDC


(J. Bandyopadhyay)
7/2/19
Member Secretary, ERPC



འབྲུག་སྤར་འབྲུང་གྲོག་མེ་ལས་འཛིན་ཚད།
Druk Green Power Corporation Limited
(a dhi company)



འབྲུག་སྤར་འབྲུང་གྲོག་མེ་ལས་འཛིན་ཚད།
DrukGreen

No. DGPC/O&MD/23/2018/ 437

February 04, 2019

Member Secretary

Eastern Region Power Committee
14, Golf Club Road
Kolkata – 700 033

Sub: Import of Power by Bhutan in 2019

Dear Sir,

Though 720 MW Mangdechhu Hydroelectric Project (MHEP) was supposed to commission its 1st Unit in 2018, due to unavoidable circumstances beyond the control of the Project Authority, the 1st Unit is still not commissioned. It is now expected to be commissioned by end of February 2019 if all the works get executed as per the planned schedule.

During the meeting with ERPC in July 2018, we have informed that Bhutan may not become net importer of electricity in a month once MHEP gets commissioned. However, due to delay in the commissioning of MHEP within 2018, we have imported a net energy of 11.291923 MU in the month of January 2019. We may again become net importer of electricity during the months of February and March 2019, till the 1st Unit of MHEP is commissioned.

Therefore, we would like to inform ERPC on the above and to allow import of power by DGPC as and when required. ERPC shall be kept informed on the energy scenario in Bhutan and the progress of MHEP commissioning schedule. This shall be also deliberated during the 154th OCC Meeting.

Yours faithfully,

(Kuenga Namgay)
Director (O&M)

ERPC:: KOLKATA

Minutes of the meeting held on 13.07.2018 at ERPC, Kolkata to finalize the treatment of import of power by Bhutan.

List of the participants is attached in Annexure.

Member Secretary welcomed Director(O&M), DGPC Bhutan, ED ERLDC, representative of PTC and the other participants in the meeting. He informed that the meeting among ERPC, ERLDC, PTC and Bhutan has been convened as per the decision of the last ERPC meeting held on 30.06.2018. He then requested that Director(O&M), DGPC to elaborate on the issue.

Director(O&M) DGPC in his presentation mentioned that, during the month of Feb-2018 & March-2018, Bhutan has imported power from India. In the month of April-2018 Bhutan has made a net export of power to India. Subsequent accounting issued by ERPC Secretariat after adjusting the import of power by Bhutan during Feb-2018 & March-2018 has put considerable loss to Bhutan. He pointed out that, as per the energy accounting methodology put in place after the mixing of power at Malabase substation, it indicates that the import of power in the February and March 2018 months have occurred in the THP system and thus the import has to be netted from THP energy.

ERPC Secretariat gave a detailed presentation highlighting the methodology adopted for accounting of import of power by Bhutan. During presentation, it was emphasized that the entire anomaly has arisen due to non-existence of any suitable tariff between India and Bhutan for import of power by Bhutan. So ERPC Secretariat had first adjusted the import of power by Bhutan during Feb-2018 and Mar-2018 from the export of power to India during April, 2018 and thereafter segregated the balance power into Tala & Chukha components. However, Bhutan has prepared the accounting based on segregation of export of power to India during April, 2018 into Tala and Chukha components first and thereafter made the adjustment of import of power during the month of Feb-2018 and Mar-2018.

Member Secretary, ERPC observed that due to absence of clear cut mechanism of treatment of import of power by Bhutan, it is difficult to say whether the methodology for accounting of import of power by Bhutan as adopted by Bhutan or by ERPC secretariat is correct or not. He also emphasized that Bhutan is an important and valued neighbour of India and there is a long standing relationship between the constituents of Eastern Region and Bhutan. He appealed the issue should be resolved in light of this.

After detailed deliberation the followings are decided unanimously:

1. The liability of Rupees fifty three lakhs as projected by Bhutan through revised accounting shall be shared between Bhutan and India on 50:50 basis as a one time settlement of import of power by Bhutan from India.
2. In the meeting Bhutan informed that Mangdechu units are expected to be commissioned by April-2019. Bhutan assured that, with the commissioning of Mangdechu units, cases of net import of power by Bhutan in a month shall not recur.

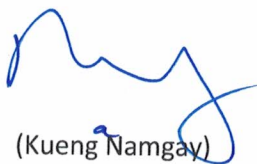
3. ERPC Secretariat shall indicate the additional amount to be paid by the each beneficiary of Eastern Region on account of this settlement in the accounting statement to be issued in the month of August-2018.

Member Secretary, ERPC hoped that, in future, there would be increased cooperation between India and Bhutan in the field of power for mutual benefits.

The meeting ended with vote of thanks to the chair.



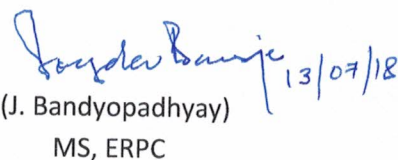
(Naveen Gadiyal)
Manager, PTC



(Kueng Namgay)
Director(O&M), DGPC



(P. Mukhopadhyay)
ED, ERLDC

 13/07/18

(J. Bandyopadhyay)
MS, ERPC

ERPC::KOLKATA

ATTENDANCE SHEET

MEETING WITH BHUTAN

VENUE: ERPC CONFERENCE ROOM, KOLKATA

TIME: 11:30 HRS

DATE: 13.07.2018 (FRIDAY)

Sl. No.	Name	Designation & Organisation	Contact Number	E-mail Id	Signature
1	J. BANDYOPADHYAY	MS, ERPC	9432326351	mserpc-power@gov.in	
2	P. MUKHOPADHYAY	ED, ERLDC			
3	G. Milne	DGM, ERLDC	9831297392		
4	Nadim Ahmad	MGR, ERLDC	9432351831	nadim@powerco.in	
5	Naveen Godiyal	Manager, PTEINDIA LTD	9811546619	naveengodiyal@ptcindia.com	
6	M. PRASAD	HEAD(PMD), DGPL	975-13610621	m.prasad1900@dnrgreen.bt	
7	P. P. Jena	AEE, ERPC	9776198991	ppjena.espc@gov.in	
8	D. K. Bauri	EE, ERPC	9883617236	eeecom L. espc@gov.in	
9	A. De.	AEE, ERPC	9681932906	alixpantha@gmail.com	
10	Lenin. B	AEE, ERPC	8335905973	lenin.nitc@gmail.com	
11	Shri Mohan Jha	Consultant ERPC	9874938913	erpc@jha. B. Jha. co. in	
12	K. N. Nany	Director (Gen)	17110014	k.nany32012@dnrgreen.bt	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					

पावर सिस्टम ऑपरेशन कॉर्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

POWER SYSTEM OPERATION CORPORATION LIMITED

(A Govt. of India Enterprise)



पंजीकृत एवं केन्द्रीय कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016

Registered & Corporate Office : 1st Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016

CIN : U40105DL2009GOI188682, Website : www.posoco.in, E-mail : posocccc@posoco.in, Tel.: 011- 41035696, Fax : 011- 26536901

संदर्भ संख्या: पोसोको/एनएलडीसी/2018/

दिनांक: 09th November, 2018

सेवा मे,

Director,
National Power Committee,
NRPC Building,
3rd Floor, Katwaria Sarai,
New Delhi-110016

(Kind Attn: Sh. Irfan Ahmad)

विषय: Agenda Note on National Energy Account & National Deviation Pool Account for 8th Meeting of National Power Committee.

संदर्भ: NPC letter no: 4/MTGS/NPC/CEA/2018/1122-1123 dtd. 01st Nov, 2018

महोदय,

With reference to the above mentioned NPC communication dated 01st November 2018, an Agenda note on National Energy Account & National Deviation Pool Account for the forthcoming 8th Meeting of National Power Committee is enclosed.

सादर धन्यवाद,

भवदीय,

समीर सक्सेना
09/11/18.

(एस. सी. सक्सेना)

उप महाप्रबंधक (एन एल डी सी)

Encl: As above

Copy to: Chief Engineer, National Power Committee, NRPC Building, 3rd Floor,
Katwaria Sarai, New Delhi-110016

National Energy Account & National Deviation Pool Account
Agenda Note for 8th Meeting of the National Power Committee (NPC)
30th November 2018, Guwahati

1. Establishment of National Grid

In the sixties, the country's electricity grid was demarcated into five electrical regions and Regional Electricity Boards were formed. In order to facilitate inter-state power transactions and the development of regional grids, Govt. of India funded construction of a number of inter-state lines. Subsequently multi-beneficiary Central Sector generating stations were developed by utilities like NTPC, NHPC etc. along with associated transmission system for evacuation of power. The concept of regional energy accounting (earlier known as global accounting) was developed with boundary metering of all control areas.

Till late nineties, power system was planned on regional self-sufficiency basis and there were very few inter-regional links. With more and more inter-regional inter-connections coming up, the focus now shifted to formation of a strong National Grid. Initially, HVDC was used to interconnect two regions, e.g., NR-WR, NR-ER, WR-SR, etc. Gradually, AC interconnections also came up and by August 2006, all regional grids except SR were interconnected synchronously into two synchronous systems known as NEW and SR Grids. The strong HVDC links connecting the NEW grid to Southern region are extensively used for optimizing power flows in the NEW grid. With strong AC connections between the regions constituting the NEW grid as well as extensive use of HVDC links in real time operation, inter-regional schedules lost any physical relevance. All the five regional grids in the country were progressively interconnected using AC links and these are now operating as one synchronism system since December 2013. The situation has become more complicated with direct HVDC connections between NER and NR.

2. Existing Scheduling, Metering, Accounting and Settlement Systems

Availability Based Tariff (ABT) was implemented in stages, starting with Western Region in July 2002. With implementation of ABT, the concept of Unscheduled Interchange (UI) pool came up and all RLDCs started operating regional UI pool accounts, which were subsequently known as the "Regional Deviation Accounts". Deviations from the schedules are computed using the net injection/drawal for using boundary metering for each control area. Based on deviations from schedule, utilities pay UI charges to or receive UI charges from the regional UI pool account.

Short-term open access in inter-state transmission was introduced in May 2006 and with this, scheduling of market-based trades/transactions also commenced. Further, in 2008, multiple Power Exchanges were also implemented. Corridor wise margin declaration for market-based transactions was carried out along with net import/export capability for regions for administering the short-term open access transactions. Later from 2009 onwards, long-term and medium-term transactions also commenced within one region and between different regions. Corresponding scheduling on the inter-regional links was carried out for these transactions on a corridor-wise basis e.g., WR-NR, ER-SR, etc. Presently, while corridor wise TTC/ATC are being declared, net import/export margins for the region are being used for administration of short-term transactions.

Special energy meters have been installed at both ends of inter-regional / inter-state tie lines and all inter-connections of CTU system with ISGS as well as states / other entities whose accounting is done at regional level. As specified in the IEGC, meter readings are sent to respective RLDCs by different sub-stations of CTU / ISGS / states. The meter readings are processed at RLDCs and forwarded to respective RPC secretariat for preparation of weekly deviation account. The RPC secretariats issue deviation accounts based on which different utilities pay /receive deviation charges to / from deviation pool account. These also included settlement of inter-regional deviations between neighboring regions. The regional UI pools are being operated satisfactorily and have successfully served the purpose for the last many years.

The deviation rate vector is declared upfront by the CERC from time to time. Prior to 2008, with uniform rates for deviation, the total payable and receivables were supposed to be equal making it a zero-sum game. However, due to difference in estimated loss and actual loss as well as metering errors, total UI/deviation charges payable did not match with total UI/deviation charges receivable. Based on methodology decided in RPC forum, suitable adjustment is done to make total UI charges payable equal to the UI charges receivable. Thus, the UI pool accounts had been zero balance accounts traditionally since introduction of ABT up to 2008.

Regional UI pool accounts became a non-zero sum game since 7th January 2008 with introduction of UI rate cap for Central generating stations with coal or lignite firing and stations burning only APM gas. UI rate cap was retained in the UI regulations, 2009. Further, as per the UI regulations, 2009, additional UI charge is payable by over-drawing or under-injecting utilities based on specified volume limits and frequency bands. Thus a surplus is generated in the UI/deviation pool.

An important feature of the UI accounts issued by RPCs is treatment of inter-regional transactions. The following methodology is followed by the RPCs in this regard:

- No adjustment is done in UI charges payable to / receivable from other regions (otherwise this may lead to an iterative process)
- UI charges payable to other regions has highest priority i.e. UI charges received in UI pool account is used first to clear dues to other regions.

Schedules are reconciled between RLDCs and thereafter final schedules are issued. Moreover, same meter readings are used by both connected regions for computation of UI/deviations. Hence it is expected that normally there should not be any mismatch between UI charges payable / receivable by adjacent regions connected through AC links.

At present, RPCs of each region prepare and issue UI/deviation accounts considering neighboring region as control areas (similar to states within the region). Sometimes, there are cases of mismatch between UI/deviation payable/receivable as per accounts issued by two RPCs of adjacent Regions and reconciliation of accounts by RPCs prior to issuance is required to be done.

Settlement of UI/deviation charges is done between the regions on one to one basis. For example, UI/deviation pool of ER has to pay to or receive from 4 different UI pools (NER, NR, SR, WR). This leads to multiple financial transactions in terms of money flow between regions. There are

instances of circular flows of funds between regions which needs to be avoided. An example of such circular flow of funds between the regions is illustrated in Annex – 1.

The above methodology is gradually losing its relevance with the five regions connected synchronously as power can flow from one region to another via a third region leading to circular and multiple fund transactions. These ‘tandem’ money transactions between the regions at times also leads to issues in disbursal within the regions.

3. Mandate for NLDC

Section 26 of Electricity Act, 2003 mandates the following:

“Section 26. (National Load Despatch Centre): --- (1) The Central Government may establish a centre at the national level, to be known as the National Load Despatch Centre for optimum scheduling and despatch of electricity among the Regional Load Despatch Centres.

(2) The constitution and functions of the National Load Despatch Centre shall be such as may be prescribed by the Central Government:

Provided that the National Load Despatch Centre shall not engage in the business of trading in electricity.

(3) The National Load Despatch Centre shall be operated by a Government company or any authority or corporation established or constituted by or under any Central Act, as may be notified by the Central Government.”

Subsequently vide notification dated 2nd March 2005, the Central Government has notified National Load Despatch Centre Rules 2004, which prescribes functions of NLDC. The functions include following (relevant extracts):

- *Scheduling and dispatch of electricity over inter-regional links in accordance with grid standards specified by the Authority and Grid Code specified by the Central Commission in coordination with Regional Load Despatch Centres.*
- *Coordination with Regional Load Despatch Centres for achieving maximum economy and efficiency in the operation of National Grid.*
- *Supervision and control over the inter-regional links as may be required for ensuring stability of the power system under its control*
- *Coordination with Regional Load Despatch Centres for the energy accounting of inter-regional exchange of power*
- *Coordination for trans-national exchange of power*

From the above mandate it is evident that just as the RLDCs/RPCs are responsible for scheduling, metering, accounting and settlement at the Regional level, NLDC has been made responsible at the inter-regional and trans-national levels. The corresponding roles pertaining to inter-regional and trans-national transactions accounting and settlement need to be taken up at the National level by the NLDC and NPC.

4. Trans-National/Cross-Border Interconnections

At present, India has cross-border interconnections with Nepal, Bhutan, Bangladesh and Myanmar. Briefly, the connectivity of these countries with various regional grids in India is as follows:

- Nepal: With Northern region and Eastern Region
- Bhutan: With Eastern region
- Bangladesh: With Eastern region and North-Eastern region
- Myanmar: With North-Eastern region

In future, other neighboring SAARC countries like Bangladesh and Pakistan may have connectivity with two different regions of India. For the purpose of cross-border interconnections, the country needs to be treated as a single control area for the purpose of transnational exchanges and transactions have to be reconciled on National basis. Further, in line with the mandate provided, NLDC is responsible for all trans-national exchanges.

5. Changing Scenario & Increasing Complexities

A vibrant electricity market is functioning in the country and many regulatory changes have been implemented to address new challenges from the changing scenario which is also leading to increased complexities. Some of the significant changes that have already been implemented at the National level and some future challenges are briefly discussed below.

- Collective Transactions through Power Exchanges:** Open Access Regulations, 2008 issued by CERC paved the way for functioning of power exchanges. As per the Regulations and procedures issued pursuant to the Regulations, collective (i.e. power exchange) transactions are coordinated by NLDC. Two Power Exchanges are functioning at present and another is in the offing. NLDC accepts scheduling request for collective transactions after checking for congestions, and forwards the same to RLDCs for scheduling. Curtailment, if any, has to be done by NLDC in coordination with RLDCs. Accounting and settlement of the Collective Transactions is carried out by NLDC.
- Ancillary Services (RRAS):** The Regulatory Framework for implementation of Ancillary Services has been provided by the Hon'ble CERC in August 2015 and these have been implemented from April 2016. As per the present framework for ancillary services, available generation (thermal) reserves are dispatched by NLDC across regions on a pan-India basis. In the scheduling process, a virtual entity has been created in each regional pool to act as a counterparty to the ancillary schedules (beneficiaries schedules are not disturbed in the ancillary despatch process). Settlement of ancillary transactions is carried out on a regional basis from the DSM Pool. There are times, when the regional DSM pool faces shortfall and NLDC facilitates transfer of funds from a surplus regional pool to the deficit regional pool as per the provisions of the relevant CERC regulations. Again, this involves multiple fund transfers at times.
- Fast Response Ancillary Services (FRAS):** CERC vide suo-motu order dated 16th July 2018 has directed the implementation of FRAS and pilot project for 5-minute metering. The framework for FRAS provides for fast response ancillary services using the flexibility of hydro generation. The dispatch under FRAS is with the primary objective of obtaining regulation services from hydro while at the same time honoring all the hydro constraints. Scheduling, accounting and settlement of FRAS is to be carried out by NLDC across multiple regions (NR, ER and NER).

(d) **Secondary Frequency Control through Automatic Generation Control (AGC):** Based on the directions of CERC a pilot project for AGC has been implemented at Dadri – Stage II in January 2018. The AGC signals are being sent to the generating station from NLDC and the accounting and settlement for the AGC is being facilitated by NLDC. Based on the experience gained by this pilot project, AGC implementation is being taken up at one generating station in each of the other regions. A second pilot implementation of AGC is expected to be commissioned at Simhadri in November 2018. Implementations in other regions are also coming up progressively. Accounting and settlement of all such implementations have to be facilitated at the national level.

(e) **Proposals under various stages of implementation/deliberations:** Some of the other proposals which are under various stages of deliberations or implementation are as follows:

- Replacement of thermal generation by RE generation (Ministry of Power, April 2018)
- Real Time Markets (CERC, July 2018) for facilitating balancing closer to the time of delivery
- Flexibility in scheduling of thermal generation (Ministry of Power, August 2018) to achieve economy in despatch at the national level
- Security Constrained Economic Despatch (POSOCO, September 2018) to achieve economy in despatch at the national level

Almost all of the above-mentioned proposals are intended for scheduling, despatch, accounting and settlement at the national level. The complexity in settlement needs to be streamlined at the national level keeping in view the changing paradigm and new challenges.

6. National Energy Account and National Deviation Pool Account

In order to streamline the accounting and settlement at the national level there is a need for implementing a National Deviation Pool based on the National Energy Account. In this regard, the following methodology is proposed.

(a) **Scheduling:** Corridor-wise (e.g., ER-NR, etc.) scheduling of inter-regional transactions is presently being carried out. However, actual power flows as per the laws of physics. In case of collective transactions, one to one correspondence of source and sink is not there and scheduling on a particular inter-regional corridor may at best be notional. Hence, there is a need to migrate to scheduling inter-regional transactions on a net basis for each region. However, while accepting the transactions for scheduling, corridor-wise TTC/ATC/available margin etc. may be duly taken care of. Inter-regional corridor-wise schedules may also be continued based on the physical power flow patterns as the same is useful for grid security monitoring and checking for any discrepancies. NLDC shall communicate the net inter-regional schedules to the NPC for the purpose of accounting.

Schedules for cross-border transactions shall also be prepared by NLDC on a net-basis to facilitate accounting of cross-border transactions by the NPC. However, individual schedules of

the concerned neighboring country with different region regions shall also be continued at RLDC level for the purpose of grid security monitoring and checking for discrepancies.

- (b) **Metering:** The existing practice for metering of the inter-regional points shall continue as per the IEGC and the SEM data shall be collected by the RLDCs, processed and made available to the RPCs. In addition, the processed meter data shall also be made available to the NPC through NLDC. A similar practice shall be adopted for the cross-border metering locations, where the processed meter data shall be provided by the respected RLDCs to the RPCs and NPC (through NLDC).
- (c) **Accounting & Settlement:** Based on the scheduling and meter data provided, NPC shall prepare the National Energy Account (NEA) including the National Deviation Account for the inter-regional and trans-national transactions. The NEA will reflect the payables/receivables for each region on a net-basis and this amount shall be payable/receivable to the National Deviation Pool Account which shall be operated by NLDC. The NEA shall also reflect the cross-border or trans-national transactions and the neighboring countries shall be paying/receiving to/from the National Deviation Pool Account operated by NLDC. Payment to the National DSM Pool shall have the highest priority.

In the future, multi-lateral transaction between neighboring countries are also envisaged under the SAARC framework e.g., Bangladesh may purchase power from Nepal or Bhutan through India. Neighboring countries may also participate in a designated Power Exchange for cross-border transactions in the future. For scheduling and settlement of such transactions, the all-India loss figures would need to be declared upfront by NLDC.

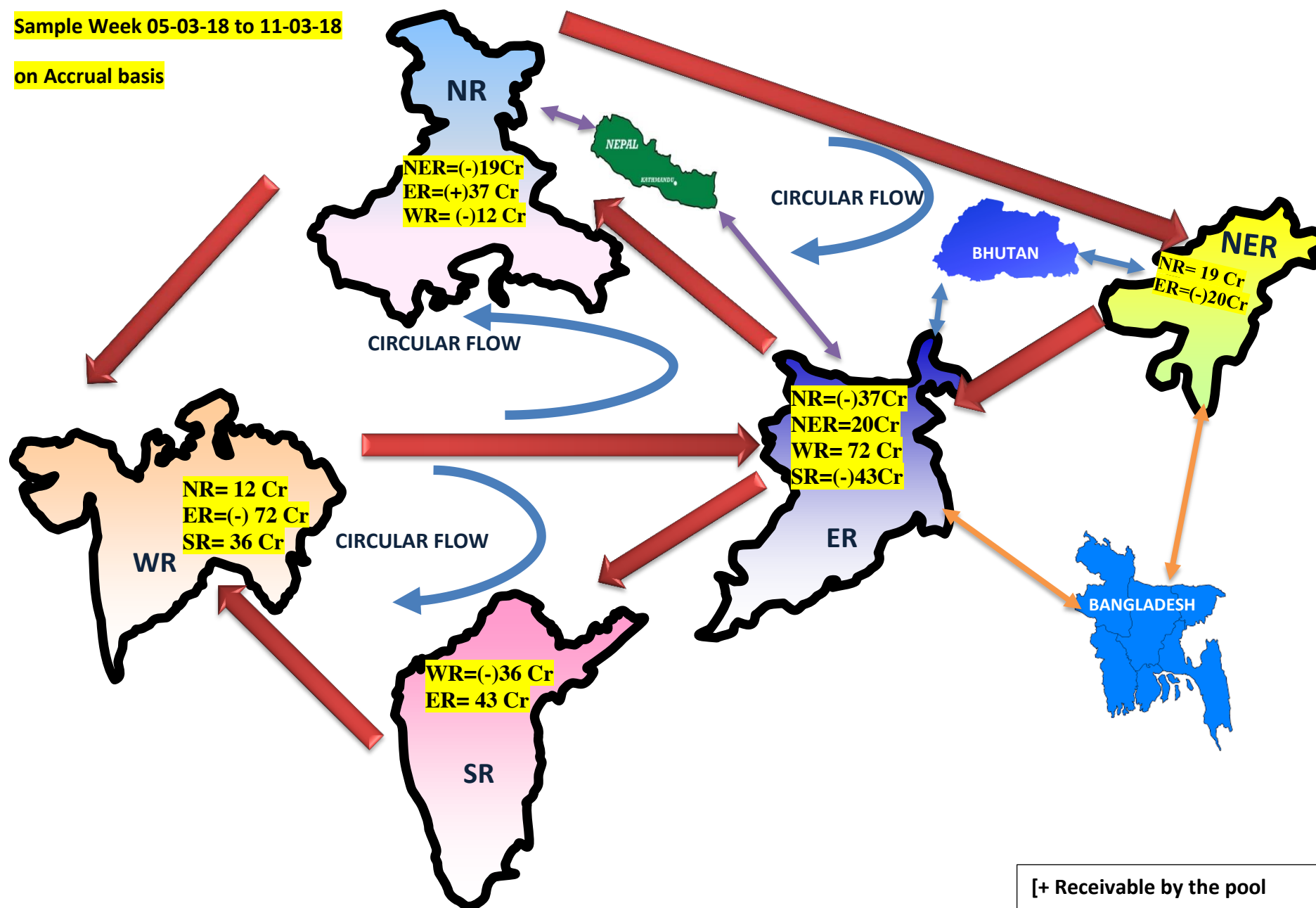
- (d) **Handling Surplus/Deficit in Regional Pool Accounts and transfer of residual to PSDF:** As has already been mentioned above, sometimes the regional DSM pool may face shortfalls on account of disbursements for reliability support such as RRAS, FRAS, AGC, etc. in accordance with the relevant regulations of CERC. Once the National DSM Pool becomes operational, all residual/surplus amount in the regional DSM pools shall be transferred to the National DSM pool account. The NPC accounts would also facilitate the transfer of funds from the surplus available in the National DSM pool to the deficit regional DSM pool accounts as a single transaction thereby simplifying the process. Once all liabilities have been met, any residual in National DSM Pool shall be transferred periodically to the PSDF in accordance with the extant CERC Regulations.

A sample illustration of the flow of funds between different regional DSM pool accounts to the national DSM pool account and that with the neighboring countries is shown at Annex – II.

Suitable changes/modifications are required to be carried out in the IEGC and DSM Regulations and the functions of NPC also need to be recognized in the regulatory framework.

Sample Week 05-03-18 to 11-03-18

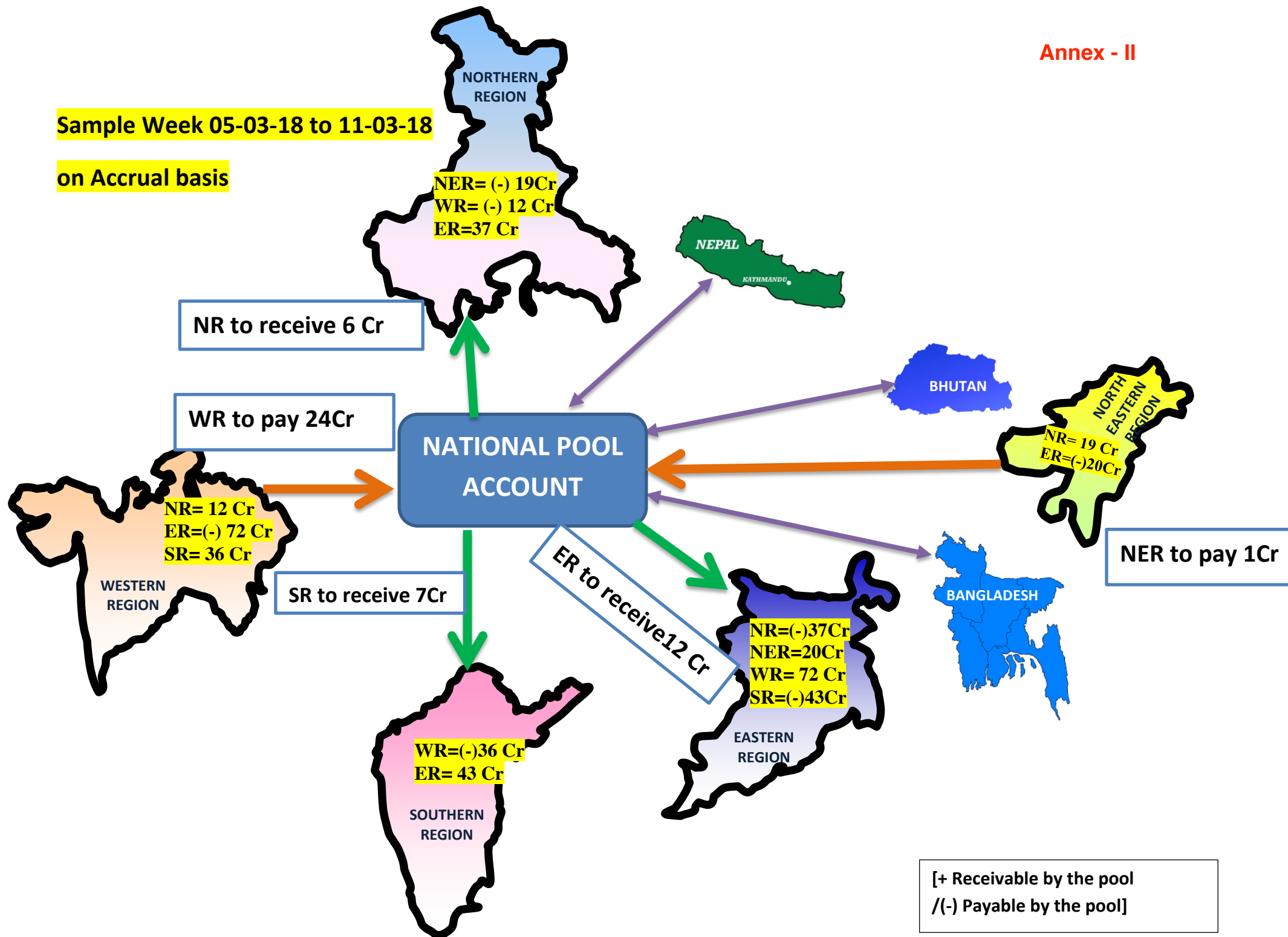
on Accrual basis



Annex - II

Sample Week 05-03-18 to 11-03-18

on Accrual basis





ଓଡିଶା ବାବୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲି. ୫. Annexure-XII

ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking) Regd. Office:
Janpath: Bhubaneswar-751022. Telephone: (0674) 2540051
(EPABX), Website: www.optcl.co.in
CIN: U4102OR2004SGC007553

By Speed Post

RT&C-NON-ISTS/2017-

497

Dated 22-02-2019

To

The Member Secretary
Eastern Regional Power Committee
14, Golf Club Road,
Tollygunge, Kolkata-700033

पूर्वी क्षेत्रीय विद्युत समिति
Eastern Regional Power Committee
डा. यरी नं. 1801
दिनांक/Dat. 06/02/19
भारत सरकार/Ministry of India
4, गोल्फ क्लब रोड टॉलीगंज
14, Golf Club Road
कोलकाता-33, Kolkata-33

Sub: Certification of non-ISTS lines of OPTCL carrying ISTS Power

Ref: 1. This office Letter No RT&C-NON-ISTS/2017/6122 Dated 12.12.18
2. Your Letter No-ERPC/COM-I/non-ISTS/2018/6809-10 Dated 19.12.18

Sir,

As per our letter under reference -1 OPTCL has applied for 9 nos of lines as listed below for certification of non-ISTS lines carrying ISTS power.

Sl No	Line	Circuits	Route kms	Ckt kms
1	220 kV Kuchei-Balasore	2	76.859	153.718
2	220 kV Atri-Pandiabil	2	24.530	48.060
3	220 kV Samagara-Pandiabil	2	48.600	97.200
4	220 kV New Bolangir-Bolangir PG	1	2.900	2.900
5	220 kV Bargarh New-Bolangir PG	1	52.000	52.000
6	132 kV Kuchei-Bangiriposhi	1	31.000	31.000
7	132 kV Kuchei-Baripada	1	11.653	11.653
8	132 kV Kuchei-Jaleswar	1	79.282	158.564
9	132 kV Kuchei-Bhograi	1	101.600	101.600

Accordingly ERPC had requested ERLDC to carry out study (reference-2) but till date we have not received any letter regarding certification.

You are therefore requested to expedite the process so as to enable OPTCL to file before CERC for determination of transmission charges.

Encl- As above

Yours faithfully

Signature
02/02/2019
Sr. General Manager, (RT&C)

PD & back.

EE (Revenue)

P1. Issue reminder to ERLDC with a copy to OPTCL.

Signature
8/2/19



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति

Annexure-XIII



Eastern Regional Power Committee
14, गोल्फ क्लब रोड, टॉलीगुंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033

Tel No.:033-24239651, 24239657 FAX No.:033-24239652, 24239653 Web: www.erpc.gov.in

No: ERPC/COM - I/non – ISTS/2019/ 8986-87

Date: 11.02.2019.

To
The Executive Director,
Eastern Region Load Despatch Centre,
14, Golf Club Road,
Tollygunge,
Kolkata – 700033.

Sub: Certification of non –ISTS lines of OPTCL System carrying ISTS Power – Reg.

Ref: This office letter No. : ERPC/COM - I/non – ISTS/2018/6809-10 dated 19.12.2018.

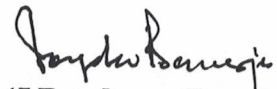
Dear Sir,

With above subject and reference, it is intimated that this office has received a reminder from OPTCL regarding the certification of the non – ISTS lines of OPTCL System carrying ISTS power. A copy of the letter received from OPTCL is attached. It is requested that necessary studies may please be got carried out at your end and forwarded to ERPC Secretariat, so that the same can be put up in the coming Commercial Committee Meeting and OCC Meeting.

Thanking you,

Yours faithfully,

Encl: As above.

 11/2/19
(J.Bandyopadhyay)
Member Secretary

Copy to: Sr. General Manager (RT&C), OPTCL, Janpath, Bhubaneshwar – 751022.



Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033

Tel No.:033-24239651, 24239659 FAX No.:033-24239652, 24239653 Web: www.erpc.gov.in

No: ERPC/MS/TA/ 2018-19/ 8480-84

Date: 25.01.2019

To:

1. Director (Operation), WBSETCL, Vidyut Bhavan, 8th Floor, Block – DJ, Sector – II, Bidhannagar, Kolkata – 700091.
2. Director (Operation), Orissa Power Transmission Corporation Ltd., Janpath, Bhubaneswar – 751022.
3. Executive Director (ER-I), Power Grid Corporation of India Ltd, Board Colony, Shastri Nagar, Patna-800023.
4. Project Director (O&M), Sterlite Power, A (Tulip) – 634, New Minal Residency, J.K.Road, Near Ayodha Bypass Road, Bhopal – 462023.

Sub: Constitution of Committee for analysing the major outages of ISTS elements of Eastern Region - regarding

Ref: Our office letter no. ERPC/MS/TA/2018/6673 - 76 dated 14.12.2018

Sir,

You may be aware that ERPC Secretariat is issuing certificate for availability of Transmission elements of all ISTS licensee of Eastern Region. ERPC Secretariat has to certify various types of outages based on the reasons specified with reasonable restoration time. Recently, in few cases of major outages, it becomes difficult to ascertain all the facts to arrive at the reasonability of the outage and reasonable time of restoration. Therefore a Committee is hereby constituted for **Analysing the major outages of ISTS elements of ER** to identify the category of outage and reasonable restoration time.

The members of the Committee as nominated by ER constituents are as follows;

1. Sh. D.K. Bauri, EE, ERPC -- Convenor
2. Sh. Chinmay Halder, ACE, WBSLDC
3. Sh. Sudhansu Sekhar Nanda, DGM (E& MR), OPTCL
4. Sh. S.K.Singh, GM(AM), Powergrid (ER-I)
5. Dr. Deepak Lakhapati, Head-Design, Sterlite Power


The committee will function as per the following guidelines:

- i) The Committee shall meet from time to time to analyse the various outages as referred by Member Secretary, ERPC.

- ii) The Convenor of the committee shall coordinate with all the members to organize meetings.
- iii) The Committee shall look into the various details of causes for outage of transmission elements and suggest the category of outage and reasonable restoration time period for of the transmission element.
- iv) The committee in its report/minute shall indicate the category and reasonable time period to be considered for each category for all outages as per the prevailing CERC regulations and CERC/CEA/CTU standards.
- v) ERLDC may be invited on case to case basis as and when felt by the committee members for verifying the outage time, log, record etc. as available with ERLDC.
- vi) The other concerned transmission licensee may be invited on case to case basis for explaining the details of outages of their respective elements.
- vii) The above members from Powergrid and Sterlite Power shall not take part in the decision making while analyzing outages of their respective elements. However, in such cases their function shall be restricted to represent or explain their cases of outages to the Committee.
- viii) If required, the committee shall undertake site visit for assessing the actual position in case of major failure of transmission elements which require higher restoration time beyond the standard allowable restoration period.
- ix) The Committee shall be advisory in nature and shall submit the recommendations to Member Secretary, ERPC for consideration.

Thanking you,

Yours faithfully,


(J.Bandyopadhyay)
Member Secretary

Copy to: Executive Director, ERLDC, 14 Golf Club Road, Kolkata-700033

SUMMARY OF DEVIATION CHARGE RECEIPT AND PAYMENT STATUS

BILL upto 20.01.19 (upto Week -42 of 2018 - 19)

Last Payment Disbursement Date - 26.09.18

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
WR	15.21672	12.62733	514971.96558	492833.58344	-22135.79275
SR	226050.45324	222954.03553	3889.51850	3939.17284	3146.07205
NER	154366.53195	153325.82633	28944.41500	13579.97506	-14323.73432
NR	99477.31488	54337.11958	53948.24243	41798.49845	32990.45132
BSPHCL	17925.89708	15847.38225	1095.72657	0.00000	982.78826
JUVNL	20828.66090	15300.07751	14.63752	0.00000	5513.94587
DVC	26935.58121	26821.90722	4182.61110	4182.61110	113.67399
GRIDCO	47207.53003	48002.77067	499.59727	1390.00265	95.16474
WBSETCL	49587.93073	49400.77632	0.00000	19.31179	206.46620
SIKKIM	948.66984	154.38587	1311.63493	496.60429	-20.74667
NTPC	12465.60635	12262.81141	70.96887	87.68291	219.50898
NHPC	6.13288	6.13288	4867.32258	4862.54183	-4.78075
MPL	354.47693	355.45400	810.76604	818.02805	6.28494
MTPS STG-II(KBUNL)	1504.70052	1446.34484	0.00000	0.00000	58.35568
APNRL	718.29612	247.44648	511.00554	132.90648	92.75058
CHUZACHEN (GATI)	135.98794	132.68095	729.90338	729.90332	3.30693
NVVN(IND-BNG)	1062.15902	1018.85267	425.02081	427.89872	46.18426
JITPL	928.96698	909.43894	1117.00383	1117.01502	19.53923
GMR	1455.33387	1360.44049	1634.82974	1587.70921	47.77285
IND BARATH	112.50429	0.00000	0.00000	0.00000	112.50429
TPTCL(DAGACHU)	6508.85901	6381.02693	36.08101	36.24336	127.99443
JLHEP(DANS ENERGY)	896.47807	888.05815	485.11323	485.08963	8.39632
BRBCL(Nabinagar)	308.02212	297.07594	1188.72627	1198.81027	21.03018
NVVN (IND-NEPAL)	5932.83022	5753.66577	560.57529	574.69080	193.27996
HVDC SASARAM	39.21356	27.15153	263.94644	263.94644	12.06203
HVDC ALIPURDUAR	66.65713	67.61607	363.62337	364.58231	0.00000
TEESTA-III	1231.78908	1230.03951	2649.17225	2649.15225	1.72957
DIKCHU(Sneha Kinetic)	157.42733	172.55679	962.05498	976.42339	-0.76105
TASHIDING(Shiga Energy)	449.99719	422.56633	507.61915	507.61917	27.43088
OPGC	546.04602	498.97962	0.00000	0.00000	47.06640
NPGC	829.19644	799.76270	0.00000	0.00000	29.43374
Pool Balance	0.00000	822.45081	-8101.19490	0.00000	7278.74409
Addl Deviation charge	35316.66089	48459.88063	0.00000	0.00000	-13143.21974
IRE	0.00000	0.00000	-124.71065	0.00000	124.71065
VAE	32.97914	0.00000	26039.78722	0.00000	-26006.80808
TOTAL	679054.46764	620435.01061	643855.96334	575060.00278	

% Realization

91.37

As on

06.02.19

Receivable:

Receivable by ER POOL

Payable

Payable by ER POOL

Received

Received by ER POOL

Paid

Paid by ER POOL

"- ve" Payable by ER pool

"+ ve" Receivable by ER pool

Annexure-XVI**Difference in DSM account for ERPC & NRPC**

All figs Rupees in Lacs

Week No.	Financial Year	Bill Period	As per ERPC Fig	As per NRPC Fig	Diff	Remarks
42	2017-18	15-Jan-18 to 21-Jan-18	38.97137	39.29811	-0.32674	ERPC - NRPC account almost matched
43		22-Jan-18 to 28-Jan-18	1818.71461	1819.54751	-0.83290	
44		29-Jan-18 to 04-Feb-18	487.19714	487.57902	-0.38188	
45		05-Feb-18 to 11-Feb-18	-646.59265	-646.02624	-0.56641	
46		12-Feb-18 to 18-Feb-18	1584.50023	1585.10833	-0.60810	
47		19-Feb-18 to 25-Feb-18	476.0878	476.43103	-0.34323	
48		26-Feb-18 to 04-Mar-18	1031.32822	1031.76241	-0.43419	
49		05-Mar-18 to 11-Mar-18	3770.82179	3769.44801	1.37378	
50		12-Mar-18 to 18-Mar-18	747.61039	748.42405	-0.81366	
51		19-Mar-18 to 25-Mar-18	1375.16618	1368.40764	6.75854	
52		26-Mar-18 to 01-Apr-18	210.04301	210.42000	-0.37699	
1	2018-19	02-Apr-18 to 08-Apr-18	1009.60994	1278.46919	-268.85925	NRPC Revision Done
2		09-Apr-18 to 15-Apr-18	-654.32388	-692.66860	38.34472	NRPC Revision Done
3		16-Apr-18 to 22-Apr-18	-1284.45597	-1390.85092	106.39495	NRPC Revision Done
4		23-Apr-18 to 29-Apr-18	-2159.58592	-2257.12707	97.54115	NRPC Revision Done
5		30-Apr-18 to 06-May-18	353.29802	180.20509	173.09293	NRPC Revision Done
6		07-May-18 to 13-May-18	146.92212	-599.83702	746.75914	NRPC Revision Done
7		14-May-18 to 20-May-18	-3368.88035	-4112.30688	743.42653	NRPC Revision Done
8		21-May-18 to 27-May-18	-2796.00937	-3900.47619	1104.46682	NRPC Revision Done
9		28-May-18 to 03-Jun-18	-2591.71233	-3203.81689	612.10456	NRPC Revision Done
10		04-Jun-18 to 10-Jun-18	-3967.18649	-4640.58132	673.39483	NRPC Revision Done
11		11-Jun-18 to 17-Jun-18	-5122.51604	-6386.98958	1264.47354	NRPC Revision Done
12		18-Jun-18 to 24-Jun-18	-6473.51666	-7954.42305	1480.90639	NRPC Revision Done
13		25-Jun-18 to 01-Jul-18	-1685.53423	-2975.43419	1289.89996	NRPC Revision Done
14		02-Jul-18 to 08-Jul-18	-385.14665	-2663.69127	2278.54462	NRPC Revision Pending
15		09-Jul-18 to 15-Jul-18	-2801.19246	-5350.27882	2549.08636	NRPC Revision Pending
16		16-Jul-18 to 22-Jul-18	-1799.16426	-4037.75088	2238.58662	NRPC Revision Pending
17		23-Jul-18 to 29-Jul-18	1118.66298	1109.37759	9.28539	NRPC Revision Pending
18		30-Jul-18 to 05-Aug-18	766.69794	-1644.61889	2411.31683	NRPC Revision Pending
19		06-Aug-18 to 12-Aug-18	-86.22433	-2601.46292	2515.23859	NRPC Revision Pending
20		13-Aug-18 to 19-Aug-18	-2350.19739	-4349.83849	1999.64110	NRPC Revision Pending
21		20-Aug-18 to 26-Aug-18	-1551.02649	-3609.48205	2058.45556	NRPC Revision Pending
22		27-Aug-18 to 02-Sep-18	-2337.21583	-4670.94369	2333.72786	NRPC Revision Pending

Note : +ve is Receivable by ER/-ve payable by ER

Deviation Interest Bill due to delay payment during FY 2017-18

As on 06.02.19

Annexure-XVII

Sl No.	Name of Constituents	Interest amt Payable by Party(in Rs)	Amount Paid/ recovered by Party(in Rs)	Interest amt receivable by Party(in Rs)	Amount paid to the Party(in Rs)	Outstanding Interest as on 06.02.19 (in Rs)
1	BSPHCL	16974993	16974993			0
2	JUVNL	15419205	15419205			0
3	DVC			14278	14278	0
4	GRIDCO			25776	25776	0
5	WBSETCL	0				0
6	SIKKIM	1143998				1143998
7	NTPC	0				0
8	NHPC			5860	5860	0
9	MPL	1443	1443			0
10	APNRL			57900	57900	0
11	CHUZACHEN	8617	8617			0
12	NVVN(IND-BD)	765	765			0
13	JITPL	38619	38619			0
14	GMR	56974	56974			0
15	IND BARATH	2135362				2135362
16	TPTCL(DAGACHU)	304143	304143			0
17	JLHEP	230359	230359			0
18	BRBCL	5315	5315			0
19	NVVN(IND-NEP)	5268	5268			0
20	TUL(TEESTA-III)			5772	5772	0
21	DIKCHU			9475	9475	0
22	HVDC-PSL			127	127	0
23	HVDC-ALPD			355	355	0
24	TASHIDING	138753	138753			0
25	OPGC	0				0
	Total	36463813	33184453	119543	119543	3279360

STATUS OF REACTIVE CHARGES

RECEIVABLE IN ER POOL AS PER PUBLISHED A/C UPTO 20.01.19 (2018 -19)
AS ON 06.02.19

CONSTITUENT	AMOUNT RECEIVABLE IN THE POOL (Rs.)	AMOUNT RECEIVED IN THE POOL (Rs.)	TOTAL OUTSTANDING(Rs.)
BSPHCL	5010087	378537	4631550
JUVNL	4285714	1137688	3148026
DVC	660320	660320	0
GRIDCO	245987789	245987789	0
WBSETCL	676708817	658345891	18362926
SIKKIM	635432	325817	309615
TOTAL	933288159	906836042	26452117

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

Annexure - XIX

SUMMARY OF RRAS CHARGE RECEIPT AND PAYMENT STATUS

BILL from 02.04.18 to 20.01.19 (upto Week - 42 of 2018 - 19)

Last Payment Disbursement Date -06.02.19

Figures in Rs. Lakhs

CONSTITUENTS	Receivable	Received	Payable	Paid	Outstanding
FSTPP STG-I & II	384.35530	352.14982	3955.59911	3927.33109	3.93746
FSTPP STG-III	105.01552	95.84101	2163.99108	2151.74448	-3.07208
KhSTPP STG-I	151.18304	143.46901	4581.19033	4568.78183	-4.69447
KhSTPP STG-II	39.34237	38.80175	6459.55857	6444.32326	-14.69469
TSTPP STG-I	37.46264	37.04840	116.06508	116.06508	0.41425
BARH STG-II	224.29320	221.52636	3427.09073	3417.68153	-6.64236
BRBCL (Nabinagar)	18.32129	18.03804	1793.64906	1791.12600	-2.23981
KBUNL (MTPS-II)	53.82299	47.01378	1244.67313	1150.39113	-87.47279
TOTAL	1013.79634	953.88816	23741.81709	23567.44440	-114.46448

As on

06.02.19

Receivable:

Receivable by ER POOL

Payable

Payable by ER POOL

Received

Received by ER POOL

Paid

Paid by ER POOL

"- ve" Payable by ER pool

"+ ve" Receivable by ER pool

Annexure - XX**SUMMARY OF CONGESTION CHARGE RECEIPT AND PAYMENT STATUS****Bill upto 07.01.2013****Last Payment Disbursement Date - 13.05.2013****Figures in Rs. Lakhs**

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

% Realization**As on 31.05.2015**

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

Annexure - XXI

DETAILS OF DISBURSEMENT TO POWER SYSTEM DEVELOPMENT FUND

SI No	Nature of Amount	Amount transferred to PSDF (Rs in Lac)	Date of Disbursement	Remarks
1	Opening Balance (upto 31.03.16)	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
11	Addl. Dev	432.25696	28.04.16	Addl Dev Charge 16-17
12	Addl. Dev	117.08707	02.05.16	Addl Dev Charge 16-17
13	Addl. Dev	41.65418	04.05.16	Addl Dev Charge 16-17
14	Addl. Dev	9.17422	06.05.16	Addl Dev Charge 16-17
15	Addl. Dev	105.15627	06.05.16	Addl Dev Charge 15-16
16	Deviation Interest	38.50018	06.05.16	Deviation Interest
17	Addl. Dev	35.54178	10.05.16	Addl Dev Charge 16-17
18	Addl. Dev	448.87953	31.05.16	Addl Dev Charge 16-17
19	Addl. Dev	170.51274	29.06.16	Addl Dev Charge 16-17
20	Reactive Energy Charge	530.57497	28.09.16	Reactive Charges_15-16
21	Reactive Energy Charge	1000.00000	26.12.16	Reactive Charges_16-17
27	Reactive Energy Charge	248.26904	31.07.17	Reactive Charges_17-18
28	Reactive Energy Charge	128.44284	29.08.17	Reactive Charges_17-18
29	Reactive Energy Charge	103.22685	26.09.17	Reactive Charges_17-18
30	Reactive Energy Charge	249.14078	31.10.17	Reactive Charges_17-18
31	Reactive Energy Charge	172.20693	30.11.17	Reactive Charges_17-18
32	Reactive Energy Charge	200.00000	15.12.17	Reactive Charges_17-18
33	Reactive Energy Charge	100.00000	05.01.18	Reactive Charges_17-18
34	Reactive Energy Charge	558.45339	06.02.18	Reactive Charges_17-18
35	Reactive Energy Charge	171.95546	06.03.18	Reactive Charges_17-18
36	Reactive Energy Charge	129.35497	04.04.18	Reactive Charges_17-18
37	Reactive Energy Charge	126.21494	07.05.18	Reactive Charges_18-19
38	Reactive Energy Charge	183.31081	06.06.18	Reactive Charges_18-19
39	Reactive Energy Charge	215.58816	05.07.18	Reactive Charges_18-19
40	Reactive Energy Charge	176.54245	03.08.18	Reactive Charges_18-19
41	Reactive Energy Charge	39.54556	06.09.18	Reactive Charges_18-19
42	Reactive Energy Charge	34.03973	01.10.18	Reactive Charges_18-19
43	Reactive Energy Charge	74.57236	05.11.18	Reactive Charges_18-19
44	Reactive Energy Charge	40.66623	04.12.18	Reactive Charges_18-19
45	Reactive Energy Charge	236.89035	02.01.19	Reactive Charges_18-19 & 15-16
46	Reactive Energy Charge	300.04546	05.02.19	Reactive Charges_18-19 & 15-16
	Total	95662.88682		

Annexure-XXII

	2017-18				2018-19		
DSM account Reconciliation Status of ER constituents and Inter Regional							
Name of The Utility	Q1(04.07.17)	Q2(09.10.17)	Q3(08.01.18)	Q4(09.04.18)	Q1(19.07.18)	Q2(08.10.18)	Q3(09.01.19)
Inter Regional							
WR	NO	NO	NO	NO	NO	NO	NO
SR	YES	NO	NO	NO	YES	YES	NO
NER	YES	NO	YES	NO	YES	NO	NO
NR	NO	NO	YES	NO	NO	NO	NO
Intra Regional							
BSPHCL	YES	YES	YES	YES	YES	YES	NO
JUVNL	YES	YES	YES	YES	YES	YES	NO
DVC	YES	YES	YES	YES	YES	YES	NO
GRIDCO	YES	YES	YES	YES	YES	YES	YES
WBSETCL	YES	YES	YES	YES	YES	YES	NO
SIKKIM	YES	YES	YES	YES	YES	YES	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
KBUNL	N/A	N/A	N/A	N/A	YES	YES	NO
APNRL	YES	YES	YES	YES	YES	YES	YES
CHUZACHEN(GATI)	YES	YES	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	YES	NO
JITPL	YES	YES	YES	YES	YES	YES	YES
INBEUL	NO	NO	NO	NO	NO	NO	NO
TPTCL (DAGACHU)	YES	YES	YES	YES	YES	YES	YES
JLHEP(DANS ENERGY)	YES	YES	YES	YES	YES	YES	NO
BRBCL	YES	YES	YES	YES	YES	YES	YES
POWERGRID (ER-I)	YES	YES	YES	YES	YES	YES	NO
POWERGRID (ER-II)	N/A	N/A	YES	YES	YES	YES	NO
TUL (TEESTA-III)	YES	YES	YES	YES	YES	YES	YES
DIKCHU	YES	YES	YES	YES	YES	YES	NO
SHIGA (TASHIDING)	N/A	N/A	YES	YES	YES	YES	NO
OPGC	N/A	N/A	N/A	YES	YES	NO	NO
NPGC	N/A	N/A	N/A	N/A	YES	YES	NO

Note:

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

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

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

Annexure-XXIII**Reconciliation Between Open Access department of ERLDC and SLDCs, STUs**

Sl. No.	STUs / SLDCs Name	Quarter-I	Quarter-II	Quarter-III
	Date of Issuance	16-07-2018	15-10-2018	18-01-2019
1	West Bengal - SLDC and STU	YES	NO	YES
2	DVC - SLDC	YES	YES	NO
3	OPTCL-SLDC and STU	YES	NO	YES

Reconciliation Between Open Access department of ERLDC and Applicants

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

Annexure - XXIV

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 2017-18	Total Deviation charges payable to pool during 2017-18	Average weekly Deviation Charge liability	LC Amount	Due date of expiry	Remarks
					(C)/52 weeks			
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	JUVNL	50	50	10486.92151	201.67157	221.83872	Expired on 31.01.2018	Letter Issued but Not Renewed
2	SIKKIM	26	26	577.40815	11.10400	12.21440	Expired on 07.03.2018	Letter Issued but Not Renewed
3	BSPHCL	48	48	12297.15842	236.48382	260.13220	Expired on 16.11.2018	Letter Issued but Not Renewed
4	NVVN(IND-NEP)	36	7	2742.53984	52.74115	58.01527	Expired on 26.09.2018	Letter Issued but Not Renewed
5	APNRL	18	16	307.81318	5.91948	6.51143	Expired on 31.12.2018	Letter Issued but Not Renewed
6	IND-BARATH	47	47	107.23938	2.06230	2.26853	Not Opened	Not Opened
7	SHIGA ENERGY(TASHIDING)	25	15	148.94874	2.86440	3.15084	Not Opened	Not Opened
8	JLHEP (DANS ENERGY)	37	24	652.25964	12.54345	13.79780	30.11.2019	Opened for 13.79780 Lacs
9	JITPL	18	3	656.5622	12.62620	13.88882	31.03.2019	Opened for 13.88882 Lac
10	GMR	21	10	257.62983	4.95442	5.44986	18.04.2019	Opened for 7.62525 Lacs
11	MPL	12	2	148.83104	2.86214	3.14835	31.03.2019	Opened for 3.14835 Lac
12	CHUZACHEN	9	4	43.51171	0.83676	0.92044	31.03.2019	Opened for 0.92044
13	TPTCL	49	7	2092.89162	40.24792	44.27271	31.03.2019	Opened for 112.03686 Lacs
14	BRBCL	21	4	198.25119	3.81252	4.19378	30.04.2019	Opened for 4.19378 Lacs
15	TEESTA-III(TUL)	12	2	1039.16725	19.98399	21.98238	05.06.2019	Opened for 21.98238 Lacs
16	SNEHA KINETIC(DIKCHU)	9	7	53.96014	1.03770	1.14146	20.05.2019	Opened for 1.14146 Lacs

Annexure-XXV

List of Meters and Location for AMR 4th Phase implementation

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

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

29 NEW LOCATIONS WITH 132 METERS

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

25 OLD LOCATIONS WITH 124 METERS

103	GENUS	ER-1377-A	KHIZIRSARAI(BSPHCL)
104	GENUS	ER-1584-A	KEONJHAR(GRIDCO)
105	GENUS	ER-1592-A	
106	GENUS	ER-1138-A	GOKARNA(WB)
107	GENUS	ER-1133-A	
108	GENUS	ER-1222-A	DARBHANGA(BSPTCL)
109	GENUS	ER-1224-A	
110	GENUS	ER-1195-A	
111	GENUS	ER-1192-A	
112	GENUS	ER-1197-A	
113	GENUS	ER-1196-A	
114	GENUS	ER-1199-A	
115	GENUS	ER-1193-A	
116	GENUS	ER-1191-A	
117	GENUS	ER-1155-A	
118	GENUS	ER-1206-A	
119	GENUS	ER-1152-A	
120	GENUS	ER-1201-A	
121	GENUS	ER-1205-A	
122	GENUS	ER-1202-A	
123	GENUS	ER-1204-A	
124	GENUS	ER-1434-A	
125	GENUS	ER-1431-A	
126	GENUS	ER-1432-A	
127	GENUS	ER-1203-A	
128	GENUS	ER-1435-A	DALTONGANJ(PG)
129	GENUS	ER-1198-A	DALTONGANJ(JUVNL)
130	GENUS	ER-1194-A	
131	GENUS	ER-1344-A	BEGUSARAI(BSPTCL)
132	GENUS	ER-1342-A	

235	GENUS	ER-1588-A	
236	GENUS	ER-1590-A	
237	GENUS	ER-1552-A	
238	GENUS	ER-1551-A	KEONJHAR(PG)
239	GENUS	ER-1263-A	
240	GENUS	ER-1170-A	
241	GENUS	ER-1262-A	
242	GENUS	ER-1261-A	
243	GENUS	ER-1375-A	
244	GENUS	ER-1380-A	
245	GENUS	ER-1163-A	
246	GENUS	ER-1416-A	
247	GENUS	ER-1419-A	
248	GENUS	ER-1411-A	
249	GENUS	ER-1448-A	
250	GENUS	ER-1449-A	
251	GENUS	ER-1442-A	
252	GENUS	ER-1447-A	GAYA(PG)
253	GENUS	ER-1582-A	
254	GENUS	ER-1575-A	
255	GENUS	ER-1573-A	
256	GENUS	NP-7919-A	BOLANGIR(PG)
TOTAL METERS = 256			

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

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

67	Bihar	Sabour	BSEB	15-Jul-14	Jul-14	Jul-19		
68	Bihar	Sonengar	BSEB	15-Jul-14	Jul-14	Jul-19		
69	Bihar	Sultanganj	BSEB	15-Jul-14	Jul-14	Jul-19		
70	Jharkhand	Kendoposi	JSEB	30-Jul-14	Jul-14	Jul-19		
71	Bihar	Khagaul	BSEB	15-Jul-14	Jul-14	Jul-19	34	
72	Bihar	Kanti	BSEB	15-Jul-14	Jul-14	Jul-19		
73	Odisha	Bolangir	PG	30-Aug-14	Aug-14	Aug-19		
74	Odisha	Indravati P/H	GRIDCO	15-Aug-14	Aug-14	Aug-19		
75	Odisha	Indravati	PG	15-Aug-14	Aug-14	Aug-19		
76	Odisha	Jeypore	GRIDCO	15-Aug-14	Aug-14	Aug-19		
77	Odisha	Jeypore	PG	15-Aug-14	Aug-14	Aug-19		
78	Odisha	Keonjhar	PG	30-Aug-14	Aug-14	Aug-19		
79	Jharkhand	Lalmatia	JSEB	15-Aug-14	Aug-14	Aug-19	23	
80	Odisha	Rairangpur	GRIDCO	15-Aug-14	Aug-14	Aug-19		
81	Odisha	Talcher	NTPC	15-Sep-14	Sep-14	Sep-19		
82	West Bengal	Durgapur	PG	30-Nov-14	Nov-14	Nov-19	12	
83	Odisha	Balasore	GRIDCO	30-Dec-14	Dec-14	Dec-19	199	
84	Bihar	Barh	NTPC	30-Dec-14	Dec-14	Dec-19		
85	Bihar	Biharshariff	PG	15-Dec-14	Dec-14	Dec-19		
86	West Bengal	Farakka	NTPC	31-Dec-14	Dec-14	Dec-19		
87	Sikkim	Gangtok	PG	30-Dec-14	Dec-14	Dec-19		
88	Bihar	Gaya	PG	30-Dec-14	Dec-14	Dec-19		
89	Bihar	Kahalgaoon	NTPC	30-Dec-14	Dec-14	Dec-19		
90	Bihar	Karmanasha	BSEB	15-Dec-14	Dec-14	Dec-19		
91	Bihar	Mzaffarpur	PG	30-Dec-14	Dec-14	Dec-19		
92	Bihar	Patna	PG	30-Dec-14	Dec-14	Dec-19		
93	Jharkhand	Patratu	JSEB	15-Dec-14	Dec-14	Dec-19		
94	Jharkhand	Ranchi	PG	30-Dec-14	Dec-14	Dec-19		
95	Bihar	Pusauli	PG	21-Jan-15	Jan-15	Jan-20		16
96	West Bengal	Berhampore	PG	30-May-15	May-15	May-20		
97	West Bengal	Dalkhola	PG	30-May-15	May-15	May-20		
98	Bihar	Fatua	BSEB	30-May-15	May-15	May-20		
99	Bihar	Hajipur	BSEB	30-May-15	May-15	May-20	16	
100	Bihar	Jagdishpur	BSEB	30-May-15	May-15	May-20		
101	Bihar	Sipara	BSEB	30-May-15	May-15	May-20		
102	Odisha	Adhunik	IPPR	30-Jun-15	Jun-15	Jun-20		
103	Odisha	Angul	PG	30-Jun-15	Jun-15	Jun-20		
104	Bihar	Banka	BSEB	30-Jun-15	Jun-15	Jun-20		
105	Bihar	Bodhgaya	BSEB	30-Jun-15	Jun-15	Jun-20		
106	Sikkim	Chuzachen	IPPR	30-Jun-15	Jun-15	Jun-20		
107	Odisha	GMR	GRIDCO	30-Jun-15	Jun-15	Jun-20	48	
108	Odisha	Jindal	IPPR	30-Jun-15	Jun-15	Jun-20		
109	West Bengal	Kharagpur	WBSEB	30-Jun-15	Jun-15	Jun-20		
110	Jharkhand	Koderma	DVC	30-Jun-15	Jun-15	Jun-20		
111	West Bengal	Kurseong	WBSEB	30-Jun-15	Jun-15	Jun-20		
112	Bihar	Madhepura	BSEB	30-Jun-15	Jun-15	Jun-20		
113	Sikkim	Ravangla	SIKKIM	30-Jun-15	Jun-15	Jun-20		
114	Odisha	RTPS	DVC	30-Jun-15	Jun-15	Jun-20		
115	Odisha	Sundergarh	PG	30-Jun-15	Jun-15	Jun-20		
116	Jharkhand	TISCO	DVC	30-Jun-15	Jun-15	Jun-20		
							656	



एनएचपीसी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited
(A Government of India Enterprise)

फोन/Phone : 0129-2250111

दिनांक/Date : 04.02.2018

संदर्भ सं./Ref. No. NH/Comml./ERPC/91/2019/ 333

**Member Secretary,
Eastern Regional Power Committee,
14, Golf Club Road, Tollygunge,
Kolkata- 700 033,
West Bengal.**

Kind attn: Shri J. Bandyopadhyay

Sub: Agenda Point for 39th Commercial sub-committee meeting of ERPC to be held on 18th Feb '2019 in Kolkata, West Bengal.

Ref: (i) ERPC Letter No. ERPC / COM-I/CCM/2018-19/8046-79 dated 22.01.2019.

Sir,

The agenda points of NHPC Ltd. for 39th Commercial sub-committee meeting of ERPC to be held on 18th Feb '2019 in Kolkata are as under:

1. Signing of reconciliation statement.

The III quarter of F.Y 2018-19 reconciliation statements are required to be signed on priority in respect of GRIDCO, WBSEDCL, Sikkim & Jharkhand besides II and III qtrs. in case of DVC.

2. Payment of Late Payment Surcharge by WBSEDCL.

The total amount of LPS ₹ 28.78 Crs. against energy of TLDP-III has been adjusted from the payment received dated 06.12.2018 as per new NHPC payment and rebate scheme dated 10.07.2018 and accepted by WBSEDCL vide their letter No. CE/PTP/NHPC/293 dated 25.09.2018. Thus surcharge amount of ₹ 28.78 Crs is more than 60 days on balance principal amount as on 31.01.2019.

3. Extension of PPA in r/o TLDP-III & IV Power Stations:

The PPA of TLDP-III Power station has already expired on 31.03.2018 while PPA for TLDP IV project is valid for 05 years period from COD and the same is expiring on 10.03.2021. Only the formal supplementary agreement is required to be signed to regularize extension of these PPA's which has been already confirmed by WBSEDCL vide letter dated 26.07.2012. It is pertinent to mention here that as per minutes of meeting of 103rd ERE Board held on 27.04.2002 at Chalsa and circulated by EREB vide their letter no. EREB/PSD/BOARD/2002/2970-3033 dated 24.05.2002, Principal Secretary (Power), Govt. of West Bengal had confirmed that the entire power from TLDP-III & TLDP-IV H.E. Projects would be absorbed by WBSEB as per the commitment of WBSEB to absorb entire power generated by both the power stations.

Contd-----02



Continuation Sheet No. ...02.....

4. NHPC is envisaging to sell power from its upcoming 500 MW, Teesta-VI Project (Sikkim). Therefore in principle consent for the entire period of life i.e., 35 years is required from the beneficiaries of Eastern region except for BSPHCL & JBVNL who have already given their consent.

Thanking you.

Yours truly,

(R. Raina)

General Manager(Comml.)