



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
उत्तर क्षेत्रीय विद्युत समिति
Northern Regional Power Committee

सं. उक्षेविस/वाणिज्यिक/210/वाउस(39)/2019/ 4800 - 4843
No. NRPC/ Comml/210/CSC(39)/2019/

दिनांक 16 मई, 2019
Dated: 16th May, 2019

सेवा में / To,

Members of Commercial Sub-Committee (As per List)
वाणिज्यिक उप समिति के सभी सदस्य (संलग्न सूचीनुसार)

विषय: वाणिज्यिक उप-समिति की 39 वीं बैठक की कार्यसूची ।
Subject: 39th meeting of Commercial Sub-committee – Agenda.

महोदय ,
Sir,

इस कार्यालय के पत्र दिनांक 10.05.19 का निरस्तीकरण करते हुए यह सूचित किया जाता है कि उत्तर क्षेत्रीय विद्युत समिति की वाणिज्यिक उप समिति की 39 वीं बैठक दिनांक 21.05.2019 को 11:00 बजे से उ.क्षे.वि.स. सचिवालय सम्मलेन कक्ष, नई दिल्ली में होनी सुनिश्चित है । बैठक की कार्यसूची आपकी सूचना एवं आवश्यक कार्यवाही हेतु संलग्न है ।

In supersession of NRPC letter of even no. dated 10.05.2019, it is intimated that the 39th meeting of Commercial Sub-committee of NRPC will be held on 21.05.2019 at 11:00 AM at NRPC secretariat conference hall, New Delhi. The agenda for the meeting is enclosed herewith for your information and necessary action.

भवदीय

Yours faithfully,

(आर.पी. प्रधान)

(R.P. Pradhan)

अधीक्षण अभियंता

Superintending Engineer

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38. Representative of Prayagraj Power Generation Co. Ltd.
39. Representative of HP SLDC
40. Representative of DHBVNL (Haryana Discom member)
41. Representative of AVVNL (Rajasthan Discom member)
42. Representative of PVVNL (UP Discom member)
43. Representative of BSES Rajdhani Pvt Ltd. (Delhi Pvt Discom member)
44. Representative of Bajaj Energy Pvt Ltd (Member Genco < 1000 MW)
45. Representative of Kreate Energy Pvt Ltd. (Member Trader)

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AGENDA

FOR

39th MEETING OF COMMERCIAL SUB-COMMITTEE OF NRPC

ITEM-1 **Confirmation of Minutes of 38th Meeting of Commercial Sub Committee of NRPC**

- 1.1 The minutes of 38th meeting of Commercial Sub-committee held on 14th December 2018 were issued vide letter No. NRPC/Comml/210/CSC(38)/2019/1938-1981 dated 01st March 2019.
- 1.2 No comments have been received from any constituent on these minutes.
- 1.3 Members may discuss and approve the minutes of 38th CSC meeting.

ITEM-2 **Recent CERC Orders/draft Regulations**

CERC (Deviation Settlement Mechanism and related matters) (Fifth Amendment) Regulations, 2019 issued on 18.04.2019

- 2.1 CERC has issued DSM 5th amendment on 18th April 2019. These regulations would come into force with effect from the date of notification in the official gazette. Major changes in the proposed amendment are:
 - Incorporation of certain clarifications issued by NLDC in the principal regulations. The definitions of Time block DSM, Daily base DSM, UMCP for IR deviation have been included in the principal regulations
 - Cap rate for all Generators has been changed to 303.04 paise/unit
 - Frequency above which Additional charge is levied for OI/UD has been increased from 50.05 Hz to 50.1 Hz
 - Clause (10) of Regulation 7 regarding Additional Charge due to sustained deviation has been modified

CERC (Fees and Charges of Regional Load Despatch Centre and other related matters) Regulations, 2019.

- 2.2 Hon'ble commission have issued the Central Electricity Regulatory Commission (Fees and Charges of Regional Load Despatch Centre and other related matters) Regulations, 2019 dated 05/04/2019. Based on the CERC Regulations, NRLDC has issued the provisional bill for the month of April 2019.

Salient features of the regulation are as follows: -

- The components of RLDC Fee & Charges i.e., System Operation Charges (SOC) & Market Operation Charges (MOC) have been replaced with Annual Load Despatch Centre Charges.
- All Tariff Components are similar to previous Regulation except than one more component OPEX (in addition to CAPEX/REPEX) has been introduced in the tariff components.
- Monthly LDC charges are to be recovered from Transmission Licensee, Generating Licensee/Seller & Distribution Licensee/Buyer on equal proportion of 1/3rd of annual LDC charges.
- Rebate of 1.5% is allowed for payment of bill made from T+5 days from the date of issuance which was 2% for payment of bill made from T+6 days in the previous Regulation.
- Rebate of 1% is allowed for payment of bill made from T+6 days to T+30 days from the date of issuance which was 1% for payment of bill made from T+7 days to T+30 days in the previous Regulation.
- No Rebate allowed for payment of bill made from T+31 days till T+45 days from the date of issuance which was allowed for payment of bill made from T+31 days to T+60 days in the previous Regulation.
- Late payment surcharge at 1.5% per month is levied for delay of payment beyond a period of 45 days which was 60 days in the previous Regulation.
- RLDC may, after issuing notice of at least one month, de-register a user in case of persistent default in payment of RLDC Fees and Charges for more than 90 days or termination of connectivity. A user can subsequently re-register once the default has been cured or connectivity re-established by paying 50% of the original registration charges.
- Certification Retainer-ship amount to the employees of NLDC, RLDCs & SLDCs is allowed to those who acquire the certificate of Basic Level, Specialist Level and Management Level during the validity of such certificate period.

Sl. No.	Certification Level	Retainer-ship amount (in Rs. Per Month)
1	Basic Level	7500
2	Specialist Level	10000
3	Management Level	12000

- The payment for Certificate Retainer-ship amount including training and registration charges/application fee for all LDC system Operators will be paid from LDCD fund.

ITEM-3 **Default in payment of outstanding dues and surcharge by beneficiaries**

3.1 The details of outstanding dues are as under:

THDC (as on 09.05.19)

S. No.	Discoms	Total Outstanding including Surcharge (Rs. in Cr.)	Total Outstanding due for more than 45 days (Rs. in Cr.)	Remarks
1	BRPL, Delhi	149.25	135.45	(A) Payment due for the bills raised in the months (i) For Energy bills - Feb'19 to May'19 (ii) For LPSC bills - Aug'13 to May'19 (B) BRPL is deducting TDS on LPS bills but not releasing balance payment.
2	BYPL, Delhi	274.47	270.44	(A) Payment due for the bills raised in the months (i) For Energy bills- Feb'15 to May'19 (ii) For LPSC bills - Mar'11 to May'19 (B) BYPL is deducting TDS on LPS bills but not releasing balance payment
3	PDD, J&K	251.46	225.32	Payment due for the bills raised in the months (i) For Energy bills - June'18 to May'19 (ii) For LPSC bills - June'18 to May'19
4	UPPCL, UP	1408.01	1272.82	(A) Payment due for the bills raised in the months (i) For Energy bills - Aug'18 to May'19 (ii) For LPSC bills - Dec'17 to May'19 (B) UPPCL has stopped verification of LPS bills. In the last TCC & NRPC meetings, it was assured that matter will be resolved.
5	PSPCL, Punjab	33.77	15.47	(A) Payment due for the bills raised in the months (i) For Energy bills - Mar'19 to May'19 (ii) For LPSC bills - Jul'16 to May'19 (B) In the last TCC & NRPC meetings, they committed for release of old LPS payment of Rs. 74 Lakh but payment is still awaited.
6	JdVVNL, Rajasthan	31.29	24.31	Payment due for the bills raised in the months (i) For Energy bills - Jan'19 to May'19 (ii) For LPSC bills - Feb'19 to May'19
7	AVVNL, Rajasthan	9.71	4.36	Payment due for the bills raised in the months For Energy bills - Mar'19 to May'19

- 3.2 As on 09.05.2019, an outstanding amount of Rs. 2213 Cr. approx. is due for payment. THDCIL has been vigorously pursuing with all the beneficiaries for expeditious payment. Despite vigorous follow up, some beneficiaries, namely BSES Yamuna Power Limited (BYPL), PDD (J&K Discom) and UPPCL (UP Discom) continue to default in making timely payments. Despite various requests, they are also not providing time bound plan to liquidate the old outstanding dues

SJVNL (as on 09.05.19)

S.No.	Beneficiary	Total Dues excluding Surcharge (in Rs Cr.)	Remarks

1.	Govt. of HP/HPSEB	22.39 + 321.25 (LPS)	GoHP has agreed to release Rs. 8.39 Crore along with Rs. 3.51 Crore (through PTC) out of the long pending outstanding. Govt of HP has assigned its allocated power of NJHPS & RHPS to HPSEB from Dec 2013 and April 2015 respectively The notice for regulation of power issued on 11.01.2019 was withdrawn by SJVN on the assurance from PDD, J&K to release the outstanding amount. However, only Rs. 30 Crore has been released
2.	PDD, J&K	177.67	
3.	UPPCL, Uttar Pradesh	9.53 + 164.48 (LPS)	
4.	AVVNL	2.86	
5.	JDVVNL	3.38	

- 3.3 As on 09.05.19, a total Principal (excluding LPS) amount of Rs. 211.88 Crore is outstanding for a period more than sixty (60) days from the beneficiaries of SJVN. The beneficiaries viz GOHP/HPSEB, UPPCL, UPCL, PDD J&K, Ajmer and Jodhpur have not cleared their outstanding dues in spite of various requests and follow ups

NHPC (as on 08.05.19) (Amount in Rs crore)

S. No.	Beneficiary	Principal Dues	Outstanding Dues of more than 60 days	Surcharge up to 30.04.2019	Total Dues including Surcharge
1.	PDD, J&K	1066.18	879.60	106.15	1172.33
2.	UPPCL, UP	906.62	692.75	76.20	982.83
3.	PSPCL, Punjab	255.44	161.95	6.84	262.28
5.	JdVVNL, (Hydro Power)	63.01	32.47	0.96	63.97
6.	JdVVNL (Wind Power)	9.24	8.18	1.53	10.77

- 3.4 Due to non-payment by above defaulting beneficiaries, NHPC is finding it very difficult to meet the debt service obligations and O&M of its power stations.

POWERGRID (as on 09.05.19)

S.No.	Beneficiary	Total Dues (in Rs Cr.)	Remarks
1.	PDD-J&K	160	PoC Charges
2.	UPPCL (Uttar Pradesh)	430	
3.	HPPC (Haryana)	46	
4.	PSPCL (Punjab)	75	
5.	UPCL(Uttarakhand)	83	
6.	JVVNL (Jaipur Discom)	Cr.	
7.	JDVVN (Jodhpur Discom)	93	
8.	AVVN (Ajmer (Discom)	48	

9.	BYPL (Delhi Disom)	24	
10.	MB Power	31	
11.	RRVPL	1.19	Bilateral assets (Extension of 400/220 KV Sikar substation with 2 nos 220KV line bays under Augmentation of transformation capacity at Sikar) – April 18 to April 19

PPCL Bawana (as on 09.05.19)

S.No.	Beneficiary	Total Dues (in Rs Cr.)	Remarks
1.	PSPCL	4.32	Surcharge calculated due to delay in payment of various energy bills since September, 2014

3.5 Members may discuss.

ITEM-4 Opening of Letter of Credit (LC)

4.1 As per PPA/CERC Regulations, beneficiaries have to submit a confirmed, revolving, irrevocable Letter of Credit for an amount equivalent to 105% of average monthly billing of preceding 12 months with appropriate bank as mutually acceptable to parties. The LC has to be kept valid at all the time during the validity of the Power Purchase Agreement. This matter had been discussed regularly in various commercial sub-committees meeting as well as TCC and NRPC meetings. However, the following beneficiaries are yet to submit the requisite Letter of Credit.

Utility/Account	Beneficiary	Remarks
SJVNL	PDD, J&K	In spite of repeated reminders the following beneficiaries are yet to submit the requisite Letter of Credit for the FY 2018-19 & 2019-20.
	HPSEBL	
	BRPL, Delhi	
	BYPL, Delhi	
NHPC	BRPL, Delhi	The amount of LC to be opened by each beneficiary for 2019-20 has already been intimated to concerned beneficiaries
	PDD, J&K	
POWERGRID	BRPL	LC submitted by BRPL has expired on 31.03.2015 BRPL has to open irrevocable monthly revolving Letter of Credits for Rs. 103 Cr. towards POC bills. No action so far even after repeated reminders /notices & personal meetings.
	BYPL	LC submitted by BYPL has expired on 28.09.2016. BYPL has to open irrevocable monthly revolving Letter of Credits for Rs. 51 Cr. towards POC bills. No action so far even after repeated reminders /notices & personal meetings.
	PDD-J&K	PDD-J&K has not opened irrevocable monthly revolving Letter of Credits, which is mandatory as per CERC Regulations. No action so far even after repeated reminders /notices & personal meetings.

PPCL	PSPCL	PPCL has sent various letters dt. 05.03.2018, 21.08.2018, 29.09.2018, 19.11.2018 & 03.04.2019 reminding to PSPCL for renewal of letter credit for securing of bulk power supply from its power station
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ITEM-5 Billing for deferred tax liability by PGCIL for the period upto 31.03.2009 (ULDC portion) materialized during FY 2011-12& Release of payment under protest by HPSEBL (Agenda by HPSEBL)

- 5.1 Based upon the various tariff orders of CERC, the detail of the Capital Cost Recovery made by PGCIL from all the states of NR against ULDC scheme w.e.f. 2002-03 to 2008-09 is as under:

Description	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Central Sector Portion:							
1 Capital Cost (Loan)	2362.24	2362.24	2205.03	2209.36	2210.04	2212.31	2212.96
2 Capital Cost (Equity)	516.49	516.49	590.64	593.40	593.83	595.21	595.59
3 Total during the year (1+2)	2878.73	2878.73	2795.67	2802.76	2803.87	2807.52	2808.55
State Sector Portion:							
4 Recovery (Loan)		2753.54	2570.29	2584.06	2589.13	-	-
5 Recovery (Equity)		602.06	897.26	906.06	909.22	-	-
6 Total during the year (4+5)		2255.6	3467.55	3490.12	3498.35	-	-
Total (3+6)	8013.06		6263.22	6292.88	6302.22	2807.52	2808.55

- 5.2 From above, it may be seen that total recovery made by PGCIL for Capital Cost (Equity) for both central sector & State Sector Portion which forms the basis of calculation of income (ROE@14% as per CERC order) is Rs. 7316.25 lac = 73.1625 Cr.
- 5.3 As per clause (39) of CERC (Term and Conditions of Tariff) Regulations, 2009 dated 19.01.2009, the deferred tax liability bills, for the period up to 31st March, 2009, whenever it materialized, shall be recovered directly from the beneficiaries and the long-term customers.
- 5.4 From figures mentioned in the Annexure-15.1, it may be seen that the total deferred tax collected by PGCIL is around Rs.76.17 Crore which is more than the total equity recovery of the scheme. Although, as per CERC regulation dated 19.01.2009, the tax on income is to be paid by PGCIL and only small portion of deferred tax (generally due to difference in depreciation benefit as per book account & as per income tax law) is to be paid by the constituents, whereas the PGCIL has collected a huge amount of Rs. 76.1637 Cr. from the constituents.
- 5.5 The matter was addressed in the 25th Commercial Sub-Committee meeting of NRPC wherein it was deliberated and decided that the issue be resolved amicably with PGCIL and in case the same remains unresolved the matter be

brought out before the Commercial Sub-Committee meeting again. In compliance to the mandate of above meeting, HPSEBL convened meetings on different occasions with PGCIL and also extended correspondence time to time, requested PGCIL to provide the following information to arrive at the amount of actual deferred tax to be paid by the constituents:

- i Cost of ULDC-NR scheme (Portion wise-State Sector/Central Sector).
 - a) Stand-alone Assets value of ULDC-NR scheme as a whole taken by PGCIL as per Audited Books of Accounts of PGCIL.
 - b) Stand-alone Assets value for State Sector Portion and Central Sector Portion of ULDC-NR scheme.
- ii Income of PGCIL from the ULDC-NR Scheme before depreciation and other expenses for the FY 2002-03 to 2008-09 (Component-wise i.e. ROE/Portion-wise i.e. State Sector/ Central Sector).
- iii
 - a) Stand-alone Depreciation (Expenditure) on the assets of the scheme as per Audited Books of Accounts for the period FY 2002-03 to 2008-09.
 - b) Stand-alone Depreciation (Expenditure) on the assets of the scheme as per Income tax for the period FY 2002-03 to 2008-09.
- v Rate of Corporate Tax for the period FY 2002-03 to 2008-09.
- vi Reason for non-apportionment of deferred tax liability of State portion to BBMB.

5.6 Further, the matter was discussed under item No. 12 in the 38th Commercial Sub-Committee meeting of NRPC held on 14-12-2018 at New Delhi wherein representative of HPSEBL urged POWERGRID to submit the desired information and clarification on the excess payment as claimed by HPSEBL. Representative of POWERGRID stated that the matter has been taken up with their finance department. He stated that complete information would be provided to HPSEBL by 3rd - 4th week of January following which they can hold a bilateral meeting. Excess payment, if any, would be refunded. The sub-committee agreed for the same.

5.7 However, no response on this account has been received from PGCIL till date. PGCIL may submit the desired information and clarification on the excess payment as claimed by HPSEBL.

ITEM-6 **Certification of open cycle generation for Gas stations under RRAS**

6.1 The guidelines/procedure for Certification of Open Cycle Generation of Gas based Generating Stations of NR was discussed and finalized in the 35th CSC meeting held on 18th February 2018.

6.2 In the 36th CSC meeting held on 11th June 2018, NTPC stated that the guidelines/procedure finalized does not cover certification of open cycle

generation during stopping of GT (i.e. the duration when GT is disconnected with ST and then stopped) – The same is being certified by WRPC as per NTPC and starting of GTs under RRAS (an incentive of 50 paise is already being provided) and mechanism of commercial settlement of the same.

- 6.3 The CSC decided that the matter may be referred to NPC to ensure a uniform practice in all regions regarding open cycle certification of CCGT stations by different RPCs.
- 6.4 The CSC decided that the matter may be referred to NPC to ensure a uniform practice in all regions regarding open cycle certification of CCGT stations by different RPCs.
- 6.5 The matter was discussed in the 8th NPC meeting. After deliberation, it was decided that the issue may be discussed in the respective forum of all the RPCs and the outcome would be communicated to NPC Secretariat for inclusion in the next meeting of NPC.
- 6.6 Members may discuss.

ITEM-7 Calculation of part load compensation due to SCED

- 7.1 CERC vide its order dated 31.03.19 in Petition No 02/SM/2019 (Suo-Motu) directed implementation of pilot project on SCED w.e.f. 01.04.2019. In compliance to the above order, POSOCO prepared a detailed operating procedure for implementation of the same on 29.03.2019 (revised on 18.04.2019).
- 7.2 As per point 9.14 of the revised Detailed Operating Procedure, RPCs have been mandated to calculate compensation due to part load operation on account of SCED. However, the procedure for calculation of the same has not been elaborated in the DOP.
- 7.3 As per DOP on Reserve Shutdown and Compensation Mechanism issued by CERC on 05.05.2017, compensation due to part load operation is shared by such beneficiaries whose requisition is below 85 % of the entitlement. In the case of VSCED, the entitlement is zero. Hence the entire decremental schedule under SCED may be considered for sharing the compensation.
- 7.4 Members may discuss.

ITEM-8 Discrepancy in schedule in REA account vs DSM account of NHPC power stations

- 8.1 NHPC has informed that for FY 2018-19, some mismatch has been observed between the monthly energy schedule given in the REA account vs the block wise energy schedule given in weekly DSM account.
- 8.2 A compilation of the difference in energy schedule of NHPC power plants as

per Provisional/ Final REAs and weekly DSM accounts for FY 2018-19 are given at Annexure 8.1.

8.3 Members may discuss.

ITEM-9 Status of DSM Charges:

9.1 Deviation Pool Account Fund of NR is being maintained & operated by NRLDC, in accordance with the CERC Regulations. As per Regulations 10 (1) of “Deviation Charges Related matters” the payment of charges for Deviation shall have a high priority and the concerned constituents shall pay the indicated amounts within 10 days of issue of statement of Charges for Deviation including Additional Charges for Deviation by the Secretariat of the respective Regional Power Committee in to the “Regional Deviation Pool Account Fund” of the concern region.

9.2 DSM Charges payable to pool status as on 14th May 2019 considering week No-3 (due dated of which is 13th May 2019) is indicated here in below: -

All figures in Rs. Lakhs

S No.	Constituents	Deviation Charges Payable
1	JAMMU AND KASHMIR	7158.40
2	PUNJAB	4239.00
3	UTTARAKHAND	547.60
4	POWERGRID-NR	321.72
5	GREENKO BUDHIL	15.60

9.3 The issues pertaining to additional charges for sustained duration in the DSM account issued by RPCs as per the 4th Amendment of the CERC Regulation is sub-judice in the Hon’ble High Court. In the meantime, CERC has published a draft notification dated 18.04.2019 of the Regulation taking into account the issues related to additional charges for sustained deviation. However, the payments on account of Deviation charges need to be settled in line with prevailing CERC Regulation as per the DSM account issued by RPCs till the amendments, if any notified by CERC or any order from the High Court.

9.4 Therefore, all payable utilities are requested to clear the outstanding’s at the earliest so that, receivable parties will be paid and to avoid further increase of Delay Payment Interest.

9.5 Members may please deliberate

ITEM-10 Status of Letter of Credit (LC) against Deviation Charges delayed payment:

10.1 Proviso (4) of Regulations 10 of CERC (Deviation Settlement Mechanism & related matter) dated 06.01.2014 provides that

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

- 10.2 In accordance with CEC Regulations, NRLDC has informed vide its letter dated 13.05.2019 to all the defaulting entities regarding the opening of LC and the amount for which the LC is to be opened. The status for LC in this regards is tabulated below:-

Sl. No	Name of NR Pool members	LC Amount (Rs. in Lakh.)	Status	No of defaults in Deviation Payment
				FY 2018-19
1	UTTAR PRADESH	768.05	LC not opened	24
2	UTTARAKHAND	204.98	LC not opened	10
3	HIMACHAL PRADESH	395.72	LC not opened	1
4	PDD,J&K	404.26	LC not opened	34
5	EPPL	1.39	LC not opened	10
6	GREENKO BUDHIL	17.19	LC not opened	4
7	PUNJAB	272.20	LC of Rs. 229 Lakhs has opened for the period of 20-07-18 & valid up to 19-07-19.	27
8	UT CHANDIGARH	117.76	LC of Rs. 509 Lakhs opened for the period up to 31.03.20.	9
9	PGCIL	19.94	LC not opened	15
10	HPPCL	0.00	LC not opened	
11	RAJASTHAN	619.25	LC not opened	4
12	NFL	1.28	LC not opened	4
13	NEPAL	29.53		2

- 10.3 NRLDC has also enclosed a standard format for LC opening along with its letter dated 13.05.2019.
- 10.4 Therefore, it is requested that all the above-mentioned entities to open the LC of the required amount (as per the LC format enclosed) within a fortnight in accordance with CERC Regulations.
- 10.5 Members may please deliberate.

ITEM-11 Reactive Energy charges status

- 11.1 Reactive Energy Charges status as on 15th May 2019 considering week no-03 (due dated of which is 13th May 2019) is indicated here in below: -

Figures in Rs. Lakhs

SI No.	UTILITY	NET OUTSTANDING(Rs)
1	JAMMU AND KASHMIR	133.29
2	DELHI	68.33
3	UTTARAKHAND	0.08

4	CHANDIGARH	-0.28
5	HARYANA	-4.48
6	HIMACHAL PRADESH	-5.23
7	PUNJAB	-16.08
8	UTTAR PRADESH	-16.59
9	RAJASTHAN	-24.85

Note: (+) ve figure are Payable to Pool and (-) ve figures are receivable from Pool

- 11.2 All Payable constituents are requested to release outstanding RE charges payments at the earliest so that, receivable parties will be paid and to avoid further increase of Delay payment Interest.

ITEM-12 Congestion Charges: -

- 12.1 Congestion charge statement is being issued by NRPC. The amount received in the congestion charges account was disbursed to the receivable parties.
- 12.2 Outstanding amount against the entities payable to pool (as on 15th May-2019) is indicated here in below: -

All Figures in Rs. in lakhs

SL. No.	Constituents	Congestion Charges Payable / Receivable	Congestion Charges Delay Payment Interest	Total Outstanding
1	HARYANA	0.00	6.97	6.97
2	DELHI	0.00	3.26	3.26
3	HIMACHAL PRADESH	0.85*	0.93	1.78

- Amount paid towards Principal has been adjusted against delay payment interest.

- 12.3 However, Haryana. Delhi and Himachal Pradesh has raised the issue of Delay Payment interest and the issue was deliberated in 41st TCC/44th NRPC Meeting held on 18th/19th March 2019 at Udaipur. It was in principle agreed to waive off the delay payment interest charges for the above utilities. The minutes of meeting are to be issued.
- 12.4 NRPC may revise the account as per decision taken in the NRPC Meeting.
- 12.5 Members may please deliberate

ITEM-13 Reconciliation of Pool Accounts (Jan 19 to Mar-19):

- 13.1 Reconciliation statement of Deviation Charges and Reactive Energy Charges has been forwarded to entities and uploaded on website by NRLDC on 09.04.2019. The constituents were requested to verify /check the same & comments if any on the same were to be reported to NRLDC by 30.04.2019.
- 13.2 However, except ADHPL, NTPC, THDC no one has sent any communication to NRLDC. Therefore, it is requested once again to send the signed reconciled statement within a week from the date of CSM. In case of non-

receipt of any communication it will be presumed that reconciliation statement stands reconciled.

ITEM-14 Status of AGC & Ancillary Services:

14.1 The Status from week 01 to 53 of financial year 2018-19 & Week 01 to Week 03 of FY 19-20 as on 15-05-2019 is as herein below as per NRPC bill (All fig. In Rs. Cr.):-

Week		Surplus in DSM A/C (A)	RRAS Billed			AGC	FRAS
			Regulation UP (B)	Regulation Down (C)	Net (D=B-C)		
W-1	(26.03.18-01.04.18)	17.39	11.38	0.02	11.37	1.01	
W-2	(02.04.18-08.04.18)	19.78	9.90	0.00	9.90	2.47	
W-3	(09.04.18-15.04.18)	10.09	8.38	0.00	8.38	2.15	
W-4	(16.04.18-22.04.18)	15.99	9.51	0.00	9.51	1.31	
W-5	(23.04.18-29.04.18)	17.99	8.33	0.00	8.33	2.21	
W-6	(30.04.18-06.05.18)	13.82	5.75	0.00	5.75	-0.36	
W-7	(07.05.18-13.05.18)	29.27	10.20	0.14	10.06	0.00	
W-8	(14.05.18-20.05.18)	30.17	12.88	0.16	12.72	0.05	
W-9	(21.05.18-27.05.18)	26.24	7.68	0.00	7.68	1.69	
W-10	(28.05.18-03.06.18)	21.79	10.91	0.10	10.81	1.46	
W-11	(04.06.18-10.06.18)	19.85	11.35	0.02	11.33	1.43	
W-12	(11.06.18-17.06.18)	28.09	9.60	0.18	9.42	1.79	
W-13	(18.06.18-24.06.18)	43.12	17.48	0.07	17.40	1.85	
W-14	(25.06.18-01.07.18)	26.93	13.40	0.05	13.34	0.69	
W-15	(02.07.18-08.07.18)	42.67	7.52	0.02	7.50	0.85	
W-16	(09.07.18-15.07.18)	43.66	9.51	0.00	9.51	2.31	
W-17	(16.07.18-22.07.18)	37.31	13.12	0.01	13.11	2.18	
W-18	(23.07.18-29.07.18)	50.13	38.26	0.00	38.25	2.79	
W-19	(30.07.18-05.08.18)	50.67	42.24	0.00	42.24	2.61	
W-20	(06-08-18-12.08.18)	59.01	43.07	0.00	43.07	1.50	
W-21	(13.08.18-19.08.18)	41.79	34.12	0.02	34.10	-0.08	
W-22	(20.08.18-26.08.18)	46.63	34.75	0.00	34.75	1.11	
W-23	(27.08.18-02.09.18)	43.56	28.22	0.00	28.22	1.24	
W-24	(03.09.18-09.09.18)	27.24	25.84	0.00	25.84	0.49	
W-25	(10.09.18-16.09.18)	36.65	33.00	0.00	33.00	0.63	
W-26	(17.09.18-23.09.18)	29.35	56.05	0.00	56.05	0.38	
W-27	(24.09.18-30.09.18)	57.97	133.40	0.00	133.40	2.34	
W-28	(01.10.18-07.10.18)	41.42	134.26	0.00	134.26	0.40	
W-30	(15.10.18-21.10.18)	33.39	94.56	0.00	94.56	0.00	
W-31	(22.10.18-28.10.18)	44.58	143.49	0.00	143.49	1.43	
W-32	(29.10.18-04.11.18)	50.80	150.23	0.00	150.23	1.08	
W-33	(05-11-18-11.11.18)	15.30	42.63	0.04	42.59	2.72	
W-34	(12.11.18-18.11.18)	-67.77	21.22	0.03	21.19	2.27	
W-35	(19.11.18-25.11.18)	11.05	5.53	0.08	5.46	2.68	
W-36	(26.11.18-02.12.18)	14.30	7.18	0.01	7.17	2.84	0.00
W-37	(03.12.18-09.12.18)	13.39	10.59	0.00	10.59	2.83	0.01

W-38	(10.12.18-16.12.18)	12.77	13.17	0.00	13.17	2.86	0.01
W-39	(17.12.18-23.12.18)	9.16	7.66	0.10	7.56	2.69	0.01
W-40	(24.12.18-30.12.18)	15.48	21.85	0.06	21.79	2.20	0.01
W-41	(31.12.18-06.1.19)	55.15	7.72	0.44	7.28	1.46	0.01
W-42	(07.01.19-13.01.19)	52.15	13.26	0.13	13.13	1.09	0.01
W-43	(14.01.19-20.01.19)	55.40	5.04	0.46	4.58	1.02	0.02
W-44	(21.01.19-27.01.19)	50.43	2.57	0.80	1.77	1.77	0.02
W-45	(28.01.19-03.02.19)	34.94	4.30	0.24	4.06	0.93	0.01
W-46	(04.02.19-10.02.19)	-157.07	1.54	1.07	0.47	0.40	0.02
W-47	(11.02.19-17.02.19)	63.65	0.63	1.70	-1.07	1.68	0.02
W-48	(18.02.19-24.02.19)	64.83	0.39	1.17	-0.78	1.11	0.02
W-49	(25.02.19-03.03.19)	-32.10	0.31	2.81	-2.50	0.13	0.01
W-50	(04.03.19-10.03.19)	25.37	1.88	1.08	0.79	1.30	0.01
W-51	(11.03.19-17.03.19)	9.04	2.20	0.33	1.87	1.09	0.01
W-52	(18.03.19-24.03.19)	17.13	0.19	0.80	-0.62	0.60	0.02
W-53	(25.03.19 -31.03.19)	30.50	0.37	0.70	-0.34	0.11	0.03
W-1 (2019-20)	(01.04.19-07.04.19)	29.63	2.75	0.28	2.46	1.27	0.02
W-2	(08.04.19-14.04.19)	41.47	2.68	0.50	2.18	2.25	0.03
W-3	(15.04.19-21.04.19)	47.01	0.85	0.18	0.67	1.13	0.03
Total		1515.79	1471.43	13.83	1457.60	77.67	0.34

14.2 Ancillary Services i.e, RRAS, AGC & FRAS has been settled up to Week 03- of FY 2019-20. There is no outstanding amount for payment of RRAS, AGC or FRAS.

ITEM-15 NRLDC Fee & Charges:

15.1 NRLDC is sending the hard copies of bills to all the users regularly on monthly basis. The bills are also being mailed to all users on the day of billing and soft copies of bills are also available to the link "<https://nrldc.in/commercial/bill-details>."

15.2 Performance Linked Incentive (PLI) bill for the financial year 2016-17 and 2017-18 (Provisional) has been raised on 15.02.2019, in line with the CERC Regulation. NRLDC Fee and Charges outstanding details (including PLI bills) considering up to Feb-2019 bills (due date of which is 30.04.2019) are shown here in below:

S No.	Constituents	Outstanding in Rs. In Lakhs	Remarks
1	UPPCL	34.39	Outstanding against PLI (Provisional) 2017-18.
2	Sorang HEP	1.58	Outstanding against Feb-19, PLI 2016-17 and PLI (Provisional) 2017-19.
3	PDD J&K	0.40	Outstanding against Feb-19 (Part Payment)

- 15.3 It is requested to the above users to clear the outstanding at the earliest.
- 15.4 NRLDC is requesting all the Users that while making the payment please provide the payment details in the prescribed format, as provided below:
- 15.5 NRLDC Fee & Charges Format for Payment made /TDS Deduction.

USER Name									
BILLING DETAILS			SETTLEMENT DETAILS						
BILL MONTH AND YEAR -	DATE of Bill issue	Billed AMOUNT	Date of Bill Receipt by Users	Mode of Payment RTGS/NEFT/Others	Date of Clearing of Payment from Users Bank A/c	Amount Paid into POSOCO Fee & Charge A/c by Users	TDS-deducted by Users if any	Rebate-deducted by Users if any	Amount-Admitted (Paid+TDS +Rebate) by Users
			(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)+(5)+(6)

- 15.6 However, it is observed that most of the Users are not providing the details as per the enclosed formats.
- 15.7 All Users are requested to make timely payment of RLDC Fees and Charges and also provide the information as per above mentioned Format for easy reconciliation.

ITEM-16 Reconciliation of NRLDC Fee and charges:

- 16.1 NRLDC vide letter dated 29-04-2019 has sent the reconciliation statements of NRLDC Fee and Charges for the quarter -IV, 2018-19 to all the users. The users were requested to send the duly signed and verified copy of reconciliation statement as a token of acceptance by 22.05.19. Reconciliation from Bairasul HEP, ADHPL, and Koteshwar HEP has been received only.
- 16.2 Entities are requested to verify the Reconciliation statements and send the duly signed copy as a normal practice. In case non receipt of any communication with in one week from commercial sub-committee meeting, it will be presumed that statement stands reconciled.

ITEM-17 Reconciliation of STOA (Short Term Open Access) Charges disbursement:

- 17.1 NRLDC has sent the reconciliation statement of open access disbursement for the Quarter- 4 of financial year 2018-19 on 23rd April 2019. The applicants/STU/SLDCs were requested to verify /check the reconciliation statement & comment if any on the same by 15th May 2019. The reconciliation statement of has been received only from two parties i.e.; Manipur and Rajasthan.
- 17.2 All other entities are once again requested to verify the Reconciliation statements and send the duly signed copy as a normal practice. In case non receipt of any communication within a week from the CSC Meeting, it will be presumed that statement stands reconciled.

ITEM-18 Status of Outstanding STOA Delay Payment Interest (STOA Delay Payment Interest):

18.1 As per Regulations 19(2) of Open Access Inter State Regulations 2008, the person committing default in payment shall pay simple interest @ of 0.04% for each day of default. The applicant wise the outstanding interest amount (computed till 30.04.2019) is as follow:

S.No.	Applicant Name	Outstanding Interest as on 30th April'2019 (Rs.)
1	Northern Railways (UP)	1805
2	Greenko budhil	1913

18.2 All members are requested to kindly make the payment as per schedule and defaulting applicants are requested to clear the outstanding at the earliest.

ITEM-19 Evacuation issues of Solar Generators at Bhadla(ISTS):

19.1 In order to facilitate evacuation of Power from Solar Power Park at Bhadla(ISTS), a meeting was called by Chief Engineer, CEA on dt: 12.04.19. In the meeting facilitation of evacuation of Power from Solar Power Park at Bhadla(ISTS) till completion of planned 765kV D/C Bhadla(PG)- Bikaner(PG) was discussed. In the meeting, RVPN has indicated that about 200MW ISTS solar generation can be injected at Bhadla 400kV S/s (RVPN) through Bhadla (PG)-Bhadla(RVPN) 400kV D/C Line depending on the actual dispatch of Rajasthan Intra Solar/RE Generation. RVPN has also raised concerns that no burden on account of commercial and scheduling aspects should be applicable on account of above ISTS solar injection at Bhadla.

19.2 Accordingly, a meeting was convened on dt: 24.04.19 in the office of Chief Engineer (PSP & PA-1), CEA with CTU and NRLDC to discuss the related concerns/issues. In the meeting the following points were agreed (MOM enclosed) :

- NRLDC stated that there could be two options for scheduling of Solar Generating Stations at Bhadla (i) Option 1 – considering the solar generator as a regional entity and (ii) Option 2- considering the solar generators as intra-State embedded generator of Rajasthan. Rajasthan stated that the scheduling to be done under Option-1 i.e.; as a Regional entity.
- Scheduling of Solar Power generations would be done at regional level and generators deviation would be carried out at regional level and generation deviation would be handled in regional pool account and there would be no impact on Rajasthan State control area by these generators.
- Since LTA for the solar power generation cannot be operationalized till

completion 765kV D/C Bhadla(PG)- Bikaner(PG), the solar power generators would avail Short Term Open Access (STOA) for injection of Power into the grid. The solar power generators would apply for STOA Transaction in accordance with CERC (Open access in inter-State transmission) Regulations, 2008 and subsequent amendment thereof.

- Since in this case, the power is being evacuated through Rajasthan System, therefore NRLDC will approve the transactions only after getting consent by Rajasthan SLDC.
- Rajasthan SLDC shall give consent only for the quantum MW which can be safely evacuated through their system.

19.3 Rajasthan SLDC has mentioned at present only up to 200MW ISTS solar generation can be injected at Bhadla 400kV S/s (RVPN) through Bhadla (PG)-Bhadla(RVPN) 400kV D/C Line. However, already 300MW is connected to the grid and another 150 MW is likely to be commissioned shortly. Therefore it is requested that CTU shall specify the maximum MW quantum each Renewable/Solar Generator can inject at Bhadla to avoid any dispute/ pro-rata curtailment etc.

19.4 Consequently, the solar power generators M/s ReNew Power and M/s Azure Power began to apply for STOA from dt: 05.05.19. Consent of Rajasthan SLDC is taken through the Web Based STOA application of NRLDC for each application before approving the STOA application.

19.5 Members may like to deliberate.

ITEM-20 Information of Deviation/reactive payment in NR pool account:

20.1 The matter regarding furnishing of information of Deviation/reactive payment in NR pool account is being deliberated in commercial committee Meeting. UPPCL, Railways, & AD Hydro, HPSEB Ltd. are regularly informing the details. Remaining of the NR pool members (payable) are again requested to intimate the details of payment being made by them in the format given below:

Email account: Nrpool2010@gmail.com

S. No	Name of Utility	Amount	Deviation/Reactive account Week No	Date	Transaction Id	Mode of Payment

ITEM-21 STATUS of AMR as on 07.05.2019

21.1 LOA for installation and commissioning of AMR system for Northern Region was awarded by POWERGRID to M/s Kalkitech in February 2012. The issues related to AMR are regularly being updated in every OCC Meeting and Commercial Sub-committee meeting of NRPC. As on date SAT of 253 locations has been completed covering 1488 SEM and 333 DCU.

- 21.2 However out of 253 locations (1488 SEMs), only around 210 nos. of locations (1150 SEMs) i.e. around 80 % data is being received by Tuesday from AMR system for preparation of regional energy account.
- 21.3 No of locations from where AMR data are received in totality and used for energy accounting for last 04 weeks have been given below:

S No.	Week (From-To)	Total no of locations Where SAT is completed	Total No of locations data received in totality	Total No of locations data received in totality by Tuesday	Total No of locations received after Tuesday
1	010419-070419	253	203	190	13
2	080419-140419	253	205	193	12
3	150419-210419	253	208	196	12
4	220419-280419	253	210	200	10

- 21.4 The members may appreciate that data from all locations are required for calculation of losses and preparation of weekly regional energy account. Non-availability of data from so many stations is making it difficult for NRLDC to process the meter data for loss calculation and timely submission of data to NRPC for preparation/issuance of weekly energy accounts.
- 21.5 M/s POWERGRID may please coordinate with M/s Kalkitech and ensure that meter data from all sites are regularly provided to NRLDC by Tuesday.

ITEM-22 **Integration of AMR System with Elster Meters:**

- 22.1 The testing for integration of Elster meter with AMR was done at Bahadurgarh PG SS and the .npc file was shared with NRLDC by PGCIL on 21-12-18. NRLDC checked & compared the same with data received through DCD from site. And It has been observed by NRLDC that there are differences of 0.01 Wh in some of the time blocks in the stored block wise Wh values. However, the difference of 0.01 Wh in one time block is netted out if we consider the complete day/week data. There is no net impact on overall energy accounting and only a difference of 0.01 Wh in individual time block due to rounding off error. Therefore, NRLDC vide letter Ref.: NRLDC/MO/Metering/2132 dated: 31.12.2018 has provided the input that the logic can be accepted and further integration of all Elster meters can be done at the earliest. However, progress regarding integration of elster meter has not been received by NRLDC.
- 22.2 POWERGRID may please update the status on time line by which integration of all elster make meters will be done.

ITEM-23 Status Regarding Procurement of DCD

- 23.1 SEM data through AMR is sometimes not available from some sites due network issue, POWERGRID is requested to provide at least one DCD at each substation for smooth availability of SEM Data and also for time drift correction purpose. The location wise requirement of DCD and quantity of DCD to be procured was also provided to POWERGRID vide NRLDC Letter dtd 01.10.2018. POWERGRID is requested to update the status on procurement of DCD.
- 23.2 Further, NRLDC vide its letter Ref. No NRLDC/MO/Metering/10-768 dated 06.05.2019 has requested POWERGRID to provide the number of procured DCDs, availability of DCDs and SEMs in POWERGRID store, to assess the SEMs/DCDs future requirement in Northern Region.
- 23.3 POWERGRID is requested to update the status.

ITEM-24 Information regarding change in CT/PT ratio

- 24.1 All utilities are requested to check CT and PT ratio of feeder, transformers etc (installed in their respective premises) in Master.DAT file which is being regularly uploaded on NRLDC web site. If any change is found or CT ratio is being changed at stations; it is requested to provide the information to NRLDC by mail at nrlcos@yahoo.com, nrlcos@hotmail.com..

ITEM-25 Ensuring Healthiness of Metering System

- 25.1 It is requested that all entities in whose premises the meter is installed should periodically carry out the following activities for ensuring healthiness of metering system:
- 25.2 Routine check-up of PT supply to meters:

All utilities are requested to check the PT supply of all 03 phase to meters installed in their premises for ensuring healthiness of meters and proper energy recording. It may be done on monthly basis.
- 25.3 Intimation regarding faulty meters:

If a meter gets faulty, it is requested to check its PT supply and also restart the meter before intimating it to NRLDC. It has been found the some of the stations are providing the information about faulty meter without checking the meter conditions at their end.
- 25.4 Regarding delay in Meter data to NRLDC:

All utilities are requested to send the SEM data to NRLDC by Monday or latest by Tuesday. It has been observed that some of the stations are sending the data on Wednesday and Thursday. Due to this, NRLDC has limited time for validation and processing of SEM data and further submission to NRLDC. Further, it is requested to arrange a mobile 3 phase 110 V AC supply to

meters in case the feeder is shut down and send the SEM data to NRLDC.

25.5 Healthiness of DCD:

AMR has been commissioned at most of the substation for online transmission of meter data to NRLDC. But data through AMR is not available in case of network issue and DCU failure. Therefore, all utilities are requested to monitor the healthiness of DCD by routine charging of DCD for sending of data during AMR failure.

25.6 Monitoring Time Drift of the Meters

All entities in whose premises the meter is installed should periodically check (preferably every week) to check the time drift in meters by comparing the time displayed in meter and time as per S/Stn GPS. If any time drift is observed then corrective action is to be taken and time drift report is to be sent to NRLDC.

ITEM-26 AMR data through Fibre optic network

26.1 As informed by M/s Kalkitech, AMR communications through optical fibre link at 42 locations of POWERGRID have been configured till date and balance shifting work on OPGW is in progress to connect around 70 locations of POWERGRID.

26.2 POWERGRID is requested to provide the present status and plan for the switching over of other station through OPGW link.

ITEM-27 Time drift Correction in SEMS:

27.1 NRLDC is regularly uploading the discrepancy report on weekly basis indicating the time drift in meters and also replacement/rectification required in special energy meters. All constituents in whose premises the meters are installed are required to take corrective action for time correction based on the weekly discrepancy report of NRLDC. Besides uploading of weekly report the many times the NRLDC metering group is also taking up the matter with concerned over telephonically and/or through e-mail also.

27.2 NRLDC vide its letter Ref No./NRLDC/MO/Metering/3/383-401 dated 18.02.2019 has circulated the list of SEMs where time correction is required to all the state utilities, SLDCs, POWERGRID Stations, Generation stations and have asked them to submit the reports to NRLDC after necessary time correction. But NRLDC has yet to receive the compliance report from them except POWERGRID, BBMB, NTPC, NPCL, DTL, PUNJAB, UP and NHPC. It is therefore requested that all these utilities shall ensure the time correction of the SEMs in their respective premises and submit the report to NRLDC.

27.3 Summary regarding time correction of SEMs are given below:

S.No	Utility	Total Nos. of Meters installed	Week 22.04.19 - 28.04.19		Week 15.04.19 - 21.04.19	
			Nos. of Meters on which Time-drift has been observed	% of Time Drift Meters	Nos. of Meters on which Time-drift has been observed	% of Time Drift Meters
1	AD Hydro	4	0	0%	0	0%
2	BBMB	270	29	11%	31	11%
3	Budhil HEP	3	0	0%	0	0%
4	CHANDIGARH	5	2	40%	3	60%
5	DTL	42	10	24%	12	29%
6	HPSEB	38	8	21%	8	21%
7	HVPNL	44	18	41%	20	45%
8	J&K	32	18	56%	17	53%
9	KarchamWangtoo-Hydro	16	0	0%	0	0%
10	Malana HEP-2	7	0	0%	0	0%
11	NHPC	135	25	19%	27	20%
12	NPCIL	50	5	10%	5	10%
13	NTPC	218	19	9%	19	9%
14	Patran	6	6	100%	6	100%
15	PGCIL	757	210	28%	207	27%
16	Phojal-HEP	4	4	100%	4	100%
17	PSPTCL	61	1	2%	2	3%
18	PTCUL	46	26	57%	26	57%
19	RAILWAYS	4	4	100%	4	100%
20	RVPNL	60	23	38%	27	45%
21	SAINJ	6	4	67%	4	67%
22	SCL	6	0	0%	0	0%
23	SJVNL	32	0	0%	0	0%
24	Sorang HEP	6	0	0%	0	0%
25	STERLITE	10	10	100%	10	100%
26	THDC	16	1	6%	0	0%
27	UPPTCL	103	28	27%	33	32%
Total		1981	451	23%	465	23%

27.4 All members in whose premises the meters are installed, are requested to periodically check (at least once in a month) the time drift in meters and send the time drift/ compliance report as per following format.

It is requested to provide consolidate report of time drift status report in their respective control area.

Location/ Substation	Meter No.	Meter location details	Time as per S/Stn GPS	Time as per meter	Time Drift	Action Taken

27.5 Further, POWERGRID has placed an LOA to M/s Kalkitech for time drift correction through AMR system also. However, it is observed that time drift

correction through AMR is not happening till date.

- 27.6 POWERGRID may appraise the status of time drift correction through AMR system.

ITEM-28 Replacement/Rectification of SEM meters:

- 28.1 As mentioned in the previous agenda point, NRLDC is regularly uploading the Discrepancy report of meters on weekly basis on NRLDC website. The discrepancy report also contains the details where replacement/rectification of energy meter is required. POWERGRID in its capacity as CTU is to ensure that such rectification/replacement is carried out at the earliest to ensure proper energy account. As on date, the list of meters where corrective actions are required immediately have been given in Annexure-28.1.
- 28.2 POWERGRID is requested to kindly ensure timely action for replacement/rectification of SEM Meters and ensure availability of software/DCDs at all interface meter locations.

ITEM-29 Installation of SEM at HV side of 66/11KV transformers at NFL Plant.

- 29.1 On metering related issues at NFL end, it has been decided that Special Energy Meter (SEM) at BBMB load point would be installed by CTU for which the installation of CT/CVT will be done by NFL and it is possible during Annual Maintenance of Plant during March/April-2019. Till the SEM is installed at BBMB load point, as an interim arrangement, it was decided that SEM at HV side of 66/11kV transforms at NFL Expansion Plant would be installed by CTU. However the meter has not been installed till date. NFL representative informed that presently PSPCL meters are installed and are in the process of replacement by SEM meters. It was also decided that NRPC Sectt will take up the matter with PSPCL for installation of new SEMs in place of existing PSPCL meters and the same SEM will be used collected by NFL on weekly basis and will be shared with NRLDC, PSPCL and BBMB. This issue was discussed in the minutes of meeting to resolve the issues of NFL held on 10.11.2017 at NRPC Secretariat.
- 29.2 Accordingly, NRPC vide it letter Ref. No. 14106-109 dt 27.12.17 has requested Chief Engineer, PSPCL to implement the above decision.
- 29.3 PSPCL is requested to update the status.

ITEM-30 Nomination of nodal officer:

- 30.1 In Northern Region, there are around 305 sites including substations and generation stations. For metering related issues; it is requested that all State utilities/generating stations to nominate 01 nodal officer with contact no. and email id. This issue is being raised constantly in earlier Commercial Sub-Committee Meetings and it was advised by the sub-committee to submit the

name of nodal officer within 15 days, however many of the stations have not intimated about its nodal officer except BBMB, NHPC, NTPC, Rajasthan, Punjab, DTL and Pragati Power.

- 30.2 All members are requested to kindly nominate one nodal officer for coordination for all metering related issues
- 30.3 All members are requested to kindly nominate one nodal officer for proper coordination for all metering related issues.

DATE AND TIME OF THE NEXT MEETING

The date and venue of next (40th) meeting of the Commercial Sub-committee will be intimated later.

Annexure-1

Sr. No.	Bill No.	Tax materialized during the year	TAX AMOUNT												
			PSEB	Haryana	RRVPL	HPSEBL	Delhi	UT Chandigarh	J&K	UPPCL	UPCL	RAILWAYS	PG	BBMB	TOTAL
1	HPSEB/(11-12)80 dt: 29.03.12	2009-10 & 2010-11	18175562	12930767	18442066	11417025	22407644	1705625	14551110	42971080	6993061	0	0	0	149593940
2	HPSEB/(12-13)18 dt: 03.08.12	2010-11	15192761	10808692	15415529	9543371	18730313	1425714	12163120	35919074	5845426	0	0	0	125044000
3	HPSEB/(12-13)34 dt: 03.12.12	2011-12	31061675	20895724	29117538	16555261	36880112	2803239	21525926	68632768	10469778	0	0	0	237942021
4	HPSEB/(13-14)11 dt: 04.06.13	2011-12	3648808	2454616	3420431	1944743	4332299	329296	2528646	8062277	1229883	0	0	0	27950999
5	HPSEB/(14-15)02 dt: 01.05.14	2012-13	6793565	4464087	6152618	4255990	8726358	556066	4706031	14709296	2076117	332402	5132	0	52777662
6	HPSEB/TC(14-15)ER 01 dt: 01.05.14	2013-14	1299802	665143	811988	41838	2754251	5644	892409	2324420	51136	0	0	0	8846631
7	92400023 dt: 30.12.14	2012-13 & 13-14	20819265	14005479	19516197	11096258	24719106	1878887	14427875	46001505	7017429	0	0	0	159482001
		Total	96991438	66224508	92876367	54854486	118550083	8704471	70795117	218620420	33682830	332402	5132	0	761637254

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SUMMARY SHEET REA APRIL'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER FINAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	487.128800	487.128697	-0.000103
2	SALAL	1966.175000	1966.175854	0.000854
3	TANAKPUR	163.482500	163.4825	0.000000
4	CHAMERA I	1263.321860	1263.321413	-0.000447
5	URI	2982.056300	2982.053631	-0.002669
6	CHAMERA II	941.745250	941.744866	-0.000384
7	DHAULIGANGA	414.660400	414.660076	-0.000324
8	DULHASTI	1553.300150	1553.299303	-0.000847
9	SEWA II	433.657480	433.656835	-0.000645
10	CHAMERA III	611.053050	611.052817	-0.000233
11	URI-II	1446.741250	1446.741067	-0.000183
12	PARBATI-III	193.740000	193.739752	-0.000248

SUMMARY SHEET REA MAY'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER FINAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	494.039250	494.039399	0.000149
2	SALAL	3130.220000	3130.220344	0.000344
3	TANAKPUR	256.117500	256.117500	0
4	CHAMERA I	1923.786880	1923.786233	-0.000647
5	URI	3533.011200	3533.013852	0.002652
6	CHAMERA II	1716.696150	1716.697093	0.000943
7	DHAULIGANGA	837.686500	837.685059	-0.001441
8	DULHASTI	2861.626500	2861.625128	-0.001372
9	SEWA II	282.800500	282.799574	-0.000926
10	CHAMERA III	1160.853680	1160.854039	0.000359
11	URI-II	1668.019750	1668.022127	0.002377
12	PARBATI-III	395.736250	395.736038	-0.000212

SUMMARY SHEET REA JUNE'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER FINAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	458.580000	458.580102	0.000102
2	SALAL	4687.587500	4687.587411	-0.000089
3	TANAKPUR	430.478620	430.478625	0.000005
4	CHAMERA I	2736.690050	2736.68871	-0.001340
5	URI	2997.777800	2997.779199	0.001399
6	CHAMERA II	1874.299500	1874.299607	0.000107
7	DHAULIGANGA	1354.822450	1354.82163	-0.000820
8	DULHASTI	2597.177400	2597.179149	0.001749
9	SEWA II	215.116200	215.116212	0.000012
10	CHAMERA III	1380.675610	1380.675533	-0.000077
11	URI-II	1627.249500	1627.247957	-0.001543
12	PARBATI-III	694.555050	694.554329	-0.000721
13	KISHANGANGA	836.165530	834.960583	-1.204947

SUMMARY SHEET REA JULY'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER FINAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	598.135250	598.135524	0.000274
2	SALAL	5033.740000	5033.740248	0.000248
3	TANAKPUR	423.765000	423.765000	0
4	CHAMERA I	3747.859800	3747.857201	-0.002599
5	URI	3493.523300	3493.525348	0.002048
6	CHAMERA II	2140.748000	2140.748043	0.000043
7	DHAULIGANGA	1764.246300	1764.241707	-0.004593
8	DULHASTI	2380.008200	2380.008582	0.000382
9	SEWA II	488.194650	488.193463	-0.001187
10	CHAMERA III	1625.071080	1625.071264	0.000184
11	URI-II	1690.101250	1690.100935	-0.000315
12	PARBATI-III	1293.081250	1293.080746	-0.000504
13	KISHANGANGA	387.020000	693.002670	305.98267

SUMMARY SHEET REA AUGUST'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER FINAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	770.278500	770.278947	0.000447
2	SALAL	4859.457500	4859.457123	-0.000377
3	TANAKPUR	538.567500	538.567500	0.000000
4	CHAMERA I	3966.721200	3966.718236	-0.002964
5	URI	3162.654600	3162.656178	0.001578
6	CHAMERA II	2131.878000	2131.877991	-0.000009
7	DHAULIGANGA	1816.548050	1816.543153	-0.004897
8	DULHASTI	2566.520700	2566.520542	-0.000158
9	SEWA II	603.759000	603.756957	-0.002043
10	CHAMERA III	1602.622490	1602.622654	0.000164
11	Uri-II	1644.596750	1644.596557	-0.000193
12	Parbati-III	1575.982500	1575.982667	0.000167
13	KISHANGANGA	387.020000	387.020000	0.000000

SUMMARY SHEET REA SEPTEMBER'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER PROVISIONAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	379.784500	379.779367	-0.005133
2	SALAL	3854.207500	3854.206859	-0.000641
3	TANAKPUR	647.130000	647.130269	0.000269
4	CHAMERA I	2694.106800	2694.105792	-0.001008
5	URI	1606.700000	1606.700278	0.000278
6	CHAMERA II	1597.624750	1597.625091	0.000341
7	DHAULIGANGA	1751.851600	1751.848441	-0.003159
8	DULHASTI	2777.730600	2777.732979	0.002379
9	SEWA II	396.587700	396.586193	-0.001507
10	CHAMERA III	1164.518590	1164.518678	0.000088
11	URI-II	971.742500	971.742777	0.000277
12	PARBATI-III	1077.593750	1077.59305	-0.000700
13	KISHANGANGA	900.232000	900.232001	0.000001

SUMMARY SHEET REA OCTOBER'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER PROVISIONAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	225.133500	225.133519	0.000019
2	SALAL	1677.760000	1677.760548	0.000548
3	TANAKPUR	547.850000	547.848867	-0.001133
4	CHAMERA I	1838.741900	1838.741054	-0.000846
5	URI	1245.700000	1245.700084	0.000084
6	CHAMERA II	1208.929500	1208.928699	-0.000801
7	DHAULIGANGA	880.544800	880.546181	0.001381
8	DULHASTI	2191.050650	2191.051249	0.000599
9	SEWA II	270.337750	270.337872	0.000122
10	CHAMERA III	783.777020	783.777663	0.000643
11	URI-II	770.252500	770.253871	0.001371
12	PARBATI-III	427.503750	427.503658	-0.000092
13	KISHANGANGA	547.916950	547.916901	-0.000049

SUMMARY SHEET REA NOVEMBER'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER PROVISIONAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	0.000000	0	0.000000
2	SALAL	1212.450000	1212.449864	-0.000136
3	TANAKPUR	306.280000	306.280078	0.000078
4	CHAMERA I	1008.640800	1008.640828	0.000028
5	URI	1696.943500	1696.943544	0.000044
6	CHAMERA II	706.941120	706.9418	0.000680
7	DHAULIGANGA	510.511650	510.512746	0.001096
8	DULHASTI	1416.070800	1416.070099	-0.000701
9	SEWA II	225.361500	225.361264	-0.000236
10	CHAMERA III	455.530850	455.530462	-0.000388
11	URI-II	1040.070000	1040.070092	0.000092
12	PARBATI-III	256.060800	256.060487	-0.000313
13	KISHANGANGA	190.265000	190.265053	0.000053

SUMMARY SHEET REA December'18				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER PROVISIONAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	0	0	0.000000
2	SALAL	886.350000	886.349172	-0.000828
3	TANAKPUR	225.545000	225.545321	0.000321
4	CHAMERA I	706.675600	706.675475	-0.000125
5	URI	1118.950000	1118.950002	0.000002
6	CHAMERA II	452.773250	452.773722	0.000472
7	DHAULIGANGA	359.256500	359.256587	0.000087
8	DULHASTI	1031.535050	1031.534789	-0.000261
9	SEWA II	114.656000	114.65593	-0.000070
10	CHAMERA III	251.395000	251.394665	-0.000335
11	URI-II	678.177500	678.180049	0.002549
12	PARBATI-III	116.398750	116.398404	-0.000346
13	KISHANGANGA	292.742500	292.743341	0.000841

SUMMARY SHEET REA JANUARY'19				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER PROVISIONAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	0.000000	0.000000	0.000000
2	SALAL	1063.850000	1063.847880	-0.002120
3	TANAKPUR	201.721000	201.721115	0.000115
4	CHAMERA I	643.971600	643.971649	0.000049
5	URI	1309.012500	1309.012800	0.000300
6	CHAMERA II	418.197750	418.198190	0.000440
7	DHAULIGANGA	292.064500	292.064172	-0.000328
8	DULHASTI	767.959650	767.959341	-0.000309
9	SEWA II	203.113000	203.113000	0.000000
10	CHAMERA III	195.113650	195.113579	-0.000071
11	URI-II	760.885000	760.886406	0.001406
12	PARBATI-III	0.000000	0.000000	0.000000
13	KISHANGANGA	241.945000	241.945316	0.000316

SUMMARY SHEET REA FEBRUARY'19				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER PROVISIONAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	0.000000	0	0.000000
2	SALAL	1735.187500	1735.187619	0.000119
3	TANAKPUR	208.515000	208.514658	-0.000342
4	CHAMERA I	1772.314850	1772.315087	0.000237
5	URI	2496.925000	2496.924938	-0.000062
6	CHAMERA II	647.114750	647.114969	0.000219
7	DHAULIGANGA	269.440550	269.440401	-0.000149
8	DULHASTI	827.649500	827.649649	0.000149
9	SEWA II	751.089000	751.087519	-0.001481
10	CHAMERA III	333.638490	333.63856	0.000070
11	URI-II	1289.500000	1289.500696	0.000696
12	PARBATI-III	0.000000	0	0.000000
13	KISHANGANGA	232.150000	232.150664	0.000664

SUMMARY SHEET REA MARCH'19				
S.NO	POWER STATION	As per Weekly Deviation Account	AS PER PROVISIONAL REA	DIFFERENCE
		SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU)	SCHEDULED ENERGY(LU) REA vs UI
1	BAIRASIUL	0.000000	0.000000	0.000000
2	SALAL	2141.185000	2141.184890	-0.000110
3	TANAKPUR	233.187500	233.187510	0.000010
4	CHAMERA I	1949.374720	1949.375310	0.000590
5	URI	3508.700000	3508.697603	-0.002397
6	CHAMERA II	786.542500	786.543002	0.000502
7	DHAULIGANGA	384.789600	384.790061	0.000461
8	DULHASTI	1075.602600	1075.602600	0.000000
9	SEWA II	871.466000	871.464838	-0.001162
10	CHAMERA III	476.256730	476.256954	0.000224
11	URI-II	1796.375000	1796.374706	-0.000294
12	PARBATI-III	0.000000	0.000000	0.000000
13	KISHANGANGA	418.375000	418.375563	0.000563

Annexure-28.1

List of Defective/Faulty SEM meters in Northern Region as on 07.05.19

S. N.	Meter No.	Element Name	Station/Utility	Issue	Remarks(if any)	Pending since
NR-I REGION						
1	NR-4532-A	400kV Chittorgarh PG-2 at Chittorgarh-RVPNL	RVPNL	Read less	Meter to be rectified/ replaced by NR-1	Jan-18
2	NP-1041-B	Genr-1(11kV) at Chibro HPS-UPCL	Chibro HPS-UPCL	Time Drift more than 01 month	Meter to be replaced by NR-1 (preferably with L&T make meter)	
3	NP-1044-B	Genr-4(11kV) at Chibro HPS-UPCL	Chibro HPS-UPCL	Time Drift more than 01 month	Meter to be replaced by NR-1 (preferably with L&T make meter)	
4	NP-1132-A	ICT-1 (400 kV) at Bamnauli-DTL	Bamnauli-DTL	Read abrupt	Meter to be replaced by NR-1	Oct-18
5	NR-4527-A	220kV Gazipur-DTL at Sahibabad-UPPCL	Sahibabad-UPPCL	Meter healthy but data not received due to non-availability of DCD	Meter may be replaced with L&T make and integrated with AMR	
6	NR-3771-A	400 KV Jind(PG)-1 at Kirori(HV)PNL	Kirori(HV)PNL	Time drift approx. 12 hrs	Meter to be replaced by NR-1	
7	NR-3766-A	400 KV Jind(PG)-2 at Kirori(HV)PNL	Kirori(HV)PNL	Time drift approx. 12 hrs	Meter to be replaced by NR-1	
8	NR-4560-A	400 kV Bikaner(RV)PNL -I at Sikar	Sikar-PG	Read abrupt	Meter to be replaced by NR-1	06.03.19
9	NR-4562-A	400 kV Bikaner(RV)PNL -II at Sikar-PG	Sikar-PG	Read abrupt	Meter to be replaced by NR-1	06.03.19
10	NP-1897-A	132kV Roorkee-1(Lx.Mill) at Gagalheri (pre Saharanpur)-UPPCL	Gagalheri (pre Saharanpur)-UPPCL	Meter Faulty	Meter to be rectified/replaced by NR-1 (preferably with L&T make meter)	

11	NP-3062-A	220kV NAPS at Simbhauri-UPPCL	UPPCL	Read abrupt	Meter to be checked/replaced by NR-1 (preferably with L&T make meter)	
12	NP-1353-A	220/132kV ICT-1(220kV) at Hissar-BBMB	BBMB	Meter Faulty	Meter to be replaced by NR-1	02.05.19
13	NP-1736-A	220kV Bassi-1 at Dausa-RVPNL	RVPNL	Meter Faulty	Meter to be rectified/replaced by NR-1 (preferably with L&T make meter)	04.04.19
14	NR-3849-A	220kV Bhanpura at Ranpura-RVPNL	RVPNL	Polarity Problem	Meter polarity to be rectified.	
15	NP-8828-A	220kV Panipat(BBMB)-I at Chajpur-HVPN	HVPN	Meter Faulty	Meter to be rectified/replaced by NR-1 (preferably with L&T make meter)	09.04.19
16	NP-5327-A	220kV MIA at BTPS	DTL	Time drift > 45 mins	Meter to be rectified/replaced by NR-1 (preferably with L&T make meter)	
17	NP-1171-A	ICT-2 (220 kV) at Bawana-DTL	DTL	Read Less	Meter inputs and CTR/PTR to be checked by DTL	
18	NR-3984-A	220 kV Panipat-2 at Narela-DTL	Narela-DTL	Meter Faulty	Meter to be replaced by NR-1	
NR-II REGION						
19	NP-1861-A	ICT-1 (132 kV) at Udhampur-PDD	PDD, J&K	Meter is reading zero	Meter to be checked/replaced by NR-2 (preferably with L&T make meter)	19.06.2017
20	02 Elster meters	400 kV Kishenpur-PG-1&2 at Baglihar	PDD, J&K	Meter data not received	Software compatible to elster to be provided for downloading of data by NR-2	24.06.2014
21	NP-1669-A	220kV Jamalpur-2 at Jalandhar-BBMB	BBMB	Meter Faulty	Meter to be replaced by NR-2	02.05.19

22	NP-1647-A	220/132kV ICT-3(220kV) at Jamalpur-BBMB	BBMB	Meter Faulty	Meter to be rectified/replaced by NR-2(preferably with L&T make meter)	07.08.18
23	NP-7046-A	400kV Genr-3 at Uri-II HPS	NHPC	Meter Faulty	Meter to be replaced by NR-2	02.05.19
24	NP-7140-A	33 kV Shanan at Paddhar-HPSEB	Paddhar HPSEB	Meter Faulty	Meter to be checked/replaced by NR-2(preferably with L&T make meter)	July-18
25	NP-1848-A	220 kV Mahilpur-1 at Jamsher-PSEB	Jamsher-PSEB	Meter Faulty	Meter to be checked/replaced by NR-2(preferably with L&T make meter)	March-19
26	NP-1847-A	220 kV Mahilpur-2 at Jamsher-PSEB	Jamsher-PSEB	Meter Faulty	Meter to be checked/replaced by NR-2(preferably with L&T make meter)	March-19
27	NP-1685-A	132 kV Kotla-3 at Ropar-PSEB	PSEB	Meter Faulty	Meter to be checked/replaced by NR-2(preferably with L&T make meter)	16.03.19
28	NP-1615-A	ICT-2 (220 kV)-400 MVA at Jammu-PDD	PDD	Read less	Meter to be checked/replaced by NR-2(preferably with L&T make meter)	
NR-3 REGION						
29	NP-7385-A	400kV Shahjahanpur(PG)-1 at ROSA TPS-UPPCL	ROSA TPS-UPPCL	Meter Faulty	Meter to be checked/replaced by NR-3	07.05.2019