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(42)/2020/4972-5015 दिनांक: 17 मई, 2020

No. NRPC/ Comml/210/CSC(42)/2020/ Dated : 17th May, 2020

सेवा में / To,

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

विषय: वाणिज्यिक उप-समिति की 42 वीं बैठक की कार्यसूची ।
Subject: 42nd meeting of Commercial Sub-committee – Agenda.

महोदय ,
Sir,

इस कार्यालय के पत्र दिनांक 13.02.2020 के क्रम में यह सूचित किया जाता है कि उत्तर क्षेत्रीय विद्युत समिति की वाणिज्यिक उप समिति की 42 वीं बैठक दिनांक 20.05.2020 को 11:00 बजे से वेब-एक्स विडियो कोंफ्रेंसिंग के माध्यम से आयोजित की जाएगी । बैठक की कार्यसूची आपकी सूचना एवं आवश्यक कार्यवाही हेतु संलग्न है । बैठक का लिंक एंव पासवर्ड नियत समय पर ईमेल द्वारा उपलब्ध करा दिया जायेगा ।

In continuation of NRPC letter of even no. dated 13.02.2020, it is intimated that the 42nd meeting of Commercial Sub-committee of NRPC will be held on 20.05.2020 at 11:00 AM via web-ex video conferencing. The agenda for the meeting is enclosed herewith for your information and necessary action. The link and password for joining the meeting would be send in due course of time to the respective email-ids.

भवदीय
Yours faithfully,

-sd-

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(R.P. Pradhan)
अधीक्षण अभियंता
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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)

INDEX

ITEM-1 Confirmation of Minutes of 41st Meeting of Commercial Sub Committee of NRPC 1
ITEM-2 Recent MoP and CERC Orders/Draft Regulations 1
ITEM-3 Energy accounting of Auxiliary & Housing colony consumption at Grid Substations of BBMB. (Agenda by BBMB) 3
ITEM-4 Default in payment of outstanding dues and surcharge by beneficiaries 5
POWERGRID Status as on 26.02.2020 8
ITEM-5 Opening of Letter of Credit (LC) (Agenda by NHPC) 8
ITEM-6 Opening of Letter of Credit for FY 2020-21 by all the Discoms(Agenda by THDCIL) 8
ITEM-7 Non Opening of Letter of Credit by certain beneficiaries for power supplied from NJHPS & RHPS (Agenda by SJVNL) 8
ITEM-8 Non-Opening of Letter of Credit (LC) (Agenda by POWERGRID) 9
ITEM-9 Non-payment of LPS by the Beneficiaries (Agenda by SJVNL) 9
ITEM-10 Double billing of transmission charges (Agenda by TPDDL) 10
ITEM-11 Excess Billing of transmission charges (Agenda by TPDDL) 10
ITEM-12 Refund of STOA charges to Tata Power-DDL (Agenda by TPDDL) 11
ITEM-13 Reconciliation Issue regarding DSM/UI accounts with SLDC (Agenda by TPDDL) 11
ITEM-14 Status of DSM Charges (Agenda by NRLDC) 11
ITEM-15 Submission of Bank Account details for Disbursement of payments of Pool Accounts (Agenda by NRLDC) 13
ITEM-16 Status of LC against Deviation Charges delayed payment (Agenda by NRLDC) 13
ITEM-17 Reactive Energy charges status (Agenda by NRLDC) 15
ITEM-18 Reconciliation of Pool Accounts (October 19 to December 19) (Agenda by NRLDC) 15
ITEM-19 Status of Ancillary Services (Agenda by NRLDC) 16
ITEM-20 NRLDC Fee & Charges (Agenda by NRLDC) 17
ITEM-21 Reconciliation of NRLDC Fee and charges (Agenda by NRLDC) 18
ITEM-22 Reconciliation of STOA (Short Term Open Access) Charges disbursement (Agenda by NRLDC) 18
ITEM-23 Status of Outstanding STOA Delay Payment Interest as on 25th February 2020 (Agenda by NRLDC) 18
ITEM-24 Five Minutes Metering pilot project Status (Agenda by NRLDC) 19
ITEM-25 Installation of Interface meter on 220 KV Drass-Alusteng Line (Agenda by NRLDC) 19
ITEM-26 STATUS of AMR Integration work (Agenda by NRLDC) 20
ITEM-27 Integration of AMR System with Elster Meters (Agenda by NRLDC) 21
ITEM-28 Status regarding procurement of DCD/Meters (Agenda by NRLDC) 22
ITEM-29 Time drift Correction in Interface Energy Meters (Agenda by NRLDC) 23
ITEM-30 Replacement/Rectification of SEM meters (Agenda by NRLDC) 24
ITEM-31 Nomination of nodal officer: 24
Annexure-3.1 25
Annexure-3.2 30
Annexure-3.3 31
Annexure-3.4 32
Annexure-3.5 34
Annexure-4.1 39
Annexure-30.1 40

AGENDA

FOR

42nd MEETING OF COMMERCIAL SUB-COMMITTEE OF NRPC

ITEM-1 Confirmation of Minutes of 41st Meeting of Commercial Sub Committee of NRPC

1.1 The minutes of 41st meeting of Commercial Sub-committee held on 19th November, 2019 were issued vide letter No. NRPC/Comml/210/CSC(41)/2019/15609-52 dated 23rd December, 2019. No comment has been received on the minutes.

1.2 Sub-committee may confirm the minutes of 41st CSC meeting of NRPC.

ITEM-2 Recent MoP and CERC Orders/Draft Regulations

A. CEA (Installation and Operation of Meters) (Amendment) Regulations,2019

Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations,2019 has been notified vide CEA-GO-13-15/3/2019-DPR dated 23rd December 2019.

Some of the salient features of Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations,2019 in reference to **interface meters** are as mentioned below:

Description	Modified	Regulation
Generating Unit Main and check meters	On all outgoing feeders including bus sectionalizer or tie line between two stages of generating stations having different tariffs or different ownership or both	In regulation 7(1) Table (1)
Frequency	i. All new meters shall have capability of recording **frequency in steps of 0.01 Hz** ii. All new meters shall be re-configurable at site for change of time block as specified by the Central Commission	In regulation 17 part-II in (k) and(L)
Watt Hour and VAr Hour	Cumulative Wh/Vh transmittal at each midnight**, in eight digits including one decimal**	In regulation 17 part-II in b(iii)/b(iv)

Voltage	capable of storing data for a period of at least last ten days a. Average voltage upto 2 decimal truncation The meters shall also display (on demand) a. Voltage-Low VArh register reading b. Voltage-high VArh register reading c.Net VArh transmittal in the previous time block, with +/-sign	In regulation 17 part-2 in b(viii) In regulation 17 part 2 in g(ix) and g(x)
Time Sync	Each meter shall have a built-in calendar and clock and shall have facility of automatic time synchronisation	In regulation 17 part 2 in h(iii)
Calibration and testing	All interface meters shall be tested on-site using accredited test laboratory for routine accuracy testing at least once in five years and recalibrated if required (whenever data is abnormal)	In regulation 14 in b

Since, CEA has already notified the amendment Regulations, and therefore there is a need of replacement of all interface energy meters in Northern Region too . It is being understood that WRPC has already gone ahead with process for procurement of interface Energy meters for Western Region constituents. It is being proposed that POWERGRID should share their experience of Western Region and present the draft proposal for procurement of New Meters including the draft Technical Specification of energy Meters and AMR system in next commercial sub-committee meeting.

Members may discuss the same.

B. Some provision of CERC (Deviation Settlement Mechanism) Regulations (5th Amendment) which will now come into force w.e.f 01-06-2020

Regulation 7 (10) CERC (Deviation Settlement Mechanism and related matters), (Fifth Amendment) Regulations, 2019 provides the sign change violation clause for the period to be effective from 01-06-2020 is as quoted below: -

Clause (10) of Regulation 7 of the Principal Regulations shall be substituted as under:

b) If the sustained deviation from schedule continues in one direction (positive or negative) for 6 time blocks, the regional entity (buyer or seller), shall correct its position, by making the sign of its deviation from schedule changed or by remaining in the range of +/- 20 MW with reference to its schedule, at least once, latest by 7th time block.
The violation of the requirement under clause (b) of this Regulation shall attract an additional charge as specified in the table below:

No. of violations in a Day	Additional Charge Payable for each violation
From first to fifth violation	additional charge @ 3% of daily base DSM charge payable or receivable
From sixth to tenth violation	additional charge @ 5% of daily base DSM charge payable or receivable
From eleventh violation onwards	additional charge @ 10% of daily base DSM charge payable or receivable

All members are requested to take note of the same and improve the load and renewable generation forecasting and schedule accordingly, in order to have minimal impact on account of this.

ITEM-3 Energy accounting of Auxiliary & Housing colony consumption at Grid Substations of BBMB. (Agenda by BBMB)

3.1 In compliance to CERC direction, BBMB generating Stations & transmission system have come under ABT mechanism w.e.f 01.06.2016. To discuss the modalities regarding scheduling, metering & energy accounting of BBMB generating stations under ABT, a meeting was held on 29.08.2016 at NRPC Secretariat, wherein it was decided that w.e.f 01.06.2016, there should not be any adjustment of auxiliary consumption of BBMB substations in actual drawal of States and Generation of BBMB Generating Station. NRPC suggested that BBMB could take up the matter with States concerned. (**Annexure-3.1**, Para-9).

I. Energy Accounting of Auxiliary & Housing colony consumption at Grid Substations of BBMB prior to implementation of ABT in BBMB ie. Up to 31.05.2016 was as under:

Energy consumption (Auxiliary & Housing Colony) at various BBMB Grid sub-stations was being considered as Project Consumption of BBMB as per the provisions in the Electricity Act, 2003 {The Electricity (Removal of Difficulty) Seventh Order, 2005} and no license is required for supply of electricity to the housing colonies located in premises of substation **(Annexure-3.2)**.

BBMB is supplying electricity to colonies located at its sub-stations. This consumption is, however, met from respective State Discoms where the substation is located. In order to account for this energy as BBMB consumption, due credit for the energy consumed at various substations was given to the respective constituents in their metered drawl by

NRLDC/NRPC in the Regional Energy Accounts. This energy was treated as common pool consumption of Bhakra complex and was subtracted from the Ex-Bus energy sent out/scheduled from Bhakra Complex power houses before working out energy shares of partner states of BBMB in the Regional Energy Accounts (REAs) issued by NRPC. The above Energy accounting procedure was being done as per the decision taken in 120th Commercial Sub-Committee meeting of erstwhile NREB held on 22.11.2005 (MOM enclosed as **Annexure-3.3**).

II. Energy Accounting Mechanism after the implementation of ABT in BBMB i.e. w.e.f. 1.06.2016

ln view of the decision taken in the meeting held at NRPC Secretariat on dated 29.08.2016 (refer **Annexure-3.1**), the above energy accounting procedure (adjustment in the metered drawl of states and Bhakra Generation) has been discontinued w.e.f. 01.06.2016. Since then credit of the energy consumed at BBMB grid substations is not being given to concerned power utilities by NRPC.

It is worth mentioning that energy consumption at the BBMB Power House colonies is also being accounted for by adjusting the metered drawl of States from the grid and generation of respective power houses.

III. Implications/difficulties being faced in view of the decision taken in the meeting held on 29.08.2016:

- lf BBMB takes separate electricity supply connection to meet the requirement of auxiliary consumption/colony supplies at its Substations (about 16 locations) from the respective State DISCOMS, this consumption will be accounted for in the drawl of respective constituents States and not for as BBMB consumption (Project supply). As Such, BBMB cannot supply electricity to its Housing colonies located at its respective substations without distribution license as per the provision of Electricity Act 2003.
- It involves other complications (segregation of load etc.) & financial transactions.

Further, State Discoms have started raising energy bills on account of auxiliary/colony consumption at some of the BBMB substations.

IV. ln view of the above constraints/difficulties and fact that this energy consumption is meagre (about 6-7 LU/month), matter was discussed as an agenda item in the 40th Commercial Sub-Committee meeting of NRPC held on 12.09.2019 at Delhi with the proposal to restore the earlier energy accounting procedure for auxiliary & housing colony energy consumption at its substations (i.e prior to implementation of ABT in BBMB) by adjusting in the metered drawl of respective States and generation of Bhakra Complex retrospectively.

During deliberation, MS, NRPC advised BBMB to discuss the matter with their partner states first and based on the outcome of the same, matter may be brought in next CSC meeting, if required. BBMB agreed for the same. (MOM of 40th CSC is enclosed as **Annexure-3.4**).

V. Accordingly, matter was discussed with the partner States in the 139th Power Sub-Committee (PSC) meeting of BBMB held on 25.11.2019 with the following proposal:

a) To avoid complexity, earlier energy accounting procedure (i.e before the implementation of ABT in BBMB) of aux. Consumption/Colony supplies at various Grid Substations of BBMB by adjusting in the metered drawl of respective States and generation of Bhakra Complex as approved in the 120th Commercial Sub-Committee meeting of erstwhile NREB and explained in "Para l" above, may be restored.

b) BBMB will supply Substation wise aux. Consumption & Colony supply data as recorded on the conventional energy meters at the end of Financial year to NRPC. The average auxiliary consumption of last year shall be considered as common pool supply under lW consumption (which also includes the Colony supply consumption of Bhakra power House) of Bhakra and shall be subtracted from Ex-Bus generation schedule of Bhakra Complex before working out the share of partner states. Due credit of the same shall be given to respective constituent States in their metered drawl in the REAs as was being done earlier. However, auxiliary/colony supply consumption at BBMB substations accumulated w.e.f 01.06.2016 upto 31.03.2019 shall be adjusted in the same manner.

After detailed deliberations, the above proposal was unanimously approved by the Power Sub-Committee of BBMB. Agenda & MOM of PSC is enclosed as **Annexure-3.5**.

VI. Submitted for kind consideration proposal at S.No. V (a&b) above.

ITEM-4 Default in payment of outstanding dues and surcharge by beneficiaries

4.1 The details of outstanding dues are as under:

THDC (as on 27.02.2020)

Discoms	Principal Outstanding	Principal due for more than 45 days	Late Payment Surcharge	Total (Principal + LPS)
BRPL, Delhi	80.27	70.07	69.07	**149.34**
BYPL, Delhi	104.33	104.33	161.01	**265.34**
PDD, J&K	181.62	181.62	39.24	**220.86**
JKPCL, J&K	88.69	65.51	0.85	**89.54**

UPPCL, UP	1361.02	1281.30	219.13	**1580.14**
JdVVNL, Rajasthan	18.40	13.25	0.67	**19.07**
AVVNL, Rajasthan	8.32	4.04	0.16	**8.48**
UPCL, Uttrakhand	10.35	1.11	0.25	**10.60**

4.2 As on 27.02.2020, an outstanding amount of approx. Rs. 2384 Cr. 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), BSES Rajdhani Power Limited (BRPL), PDD and JKPCL (J&K Discom), UPPCL (UP Discom), AVVNL & JdVVNL (Rajasthan Discoms) and UPCL (Uttrakhand Discom) continue to default in making timely payments.

4.3 Such huge substantial outstanding dues are adversely affecting the cash flows and financial health of our company and we are compelled to borrow money to meet our day to day working capital needs and for servicing our long term debts. Delay in payments also increase financial burden on the Discoms in the form of LPS.

4.4 The above beneficiaries should release the outstanding amount including LPS, as mentioned above, which is due for more than 45 days latest by 31.03.2020.

SJVNL (as on 28.02.2020)

S.No.	Beneficiary	Total Dues excluding Surcharge (in Rs Cr.)	Remarks
1.	Govt. of HP/HPSEB	21.13 + 315.03 (LPS)	GOHP/HPSEB is requested to release the outstanding on priority.
2.	PDD, J&K	418.96	PDD, J&K vide their Letter no. CE/JKPCL/t-2/61-69 dated 20/11/2019 informed that JK Tradeco has been renamed as JKPCL w.e.f 30.10.2019. It was also intimated that Energy bills prior to 15.08.2019 has been frozen as JK Govt. Liability and will be cleared separately. SJVN vide their Letter CC/C&SO/LC/312/5849 dated 27.11.19 has intimated PDD, J&K that before operationalizing the JKPCL it was advised that PDD, J&K and J&K Tradeco shall clear their Outstanding dues. Further an undertaking must be submitted that any further liabilities (on account of CERC order/Govt. regulation) arising on account of PDD, J&K will be honoured by JKPCL. No such undertaking as well as overdue payments have been received from JKPCL till date in this regard.
3.	UPPCL, Uttar Pradesh	337.63 + 162.36 (LPS)	Despite of Various reminders, Uttar Pradesh Power Corporation Limited (UPPCL) has not released the Outstanding amount and thus SJVN has regulated the Power supplied to UPPCL from Nathpa Jhakri

			Power station (NJHPS) for a period of two months from 27.02.2020 (00:00 hrs) onwards. We request UPPCL to clear their outstanding at the earliest.
4.	Rajasthan Discoms	3.47 (AVVNL) 3.94 (JVVNL) 39.71(JdVVNL)	Recently a default Notice has been issued to JDVVNL for release of Outstanding amount more than 45 days failing which SJVN may regulate the power of JDVVNL. It is also pertinent to mention here that, no payment advice are issued from Rajasthan discoms while making payments for Energy bills issued to them. As there are three discoms under Rajasthan Urja Vikas Nigam limited (RUVNL), hence in the absence of Payment Advice, it becomes difficult for SJVN officials to differentiate the payments received from different discoms of Rajasthan.
6.	UPCL	21.81 + 7.38 (LPS)	UPCL is requested to release the outstanding on priority.

4.5 The outstanding of SJVN as on 28.02.2020 was Rs 856.12 Crore (excluding LPS) (ref. **Annexure-4.1**) for a period more than Forty-Five (45) days from the Beneficiaries of NJHPS & RHPS. The Beneficiaries viz PDD, J & K, GOHP, UPPCL, UPCL, & Rajasthan Discoms (i.e. Ajmer, Jaipur and Jodhpur) have not cleared their outstanding dues inspite of repeated requests and follow ups. The Beneficiaries may be pursued to liquidate their outstanding on priority as it is seriously affecting the cash flow of SJVN and would also hamper the MOU targets assigned by MOP, GOI.

NHPC (as on 03.03.2020) (Amount in Rs crore)

Sl. No.	Beneficiary	Principal Dues	Outstanding Dues of more than 45 days	Surcharge up to 29.02.2020	Total Dues including Surcharge
1.	PDD, J&K	1418.02	1338.15	234.16	1652.18
2.	UPPCL, UP	853.51	782.90	116.86	970.37
3.	AVVNL, Rajasthan	19.38	10.53	2.32	21.70
4.	JdVVNL, Rajasthan	23.65	13.47	2.73	26.38
5.	JdVVNL, Rajasthan (Wind)	22.82	18.76	3.50	26.32
6.	PSPCL, Punjab	110.21	63.59	11.35	121.56
7.	UPCL, Uttrakhand	20.85	7.33	1.20	22.05

4.6 In this regard, it is to inform that due to non-payment by above defaulting beneficiaries, NHPC is finding it very difficult to meet the debt service obligations and O&M expenses of its power stations. NHPC is a public listed company and is answerable to its stake/share holders and such a huge outstanding balance is also attracting specific attention of the audits.

4.7 The above beneficiaries may kindly be impressed upon to liquidate the outstanding dues and surcharge at the earliest.

POWERGRID Status as on 26.02.2020

4.8 Outstanding dues more than 45 days:

Name of Beneficiaries	**POC Billing**
BYPL (Delhi Discoms)	Rs. 84 Cr.
UPCL(Uttrakhand)	Rs. 76 Cr.
AVVN (Ajmer (Discom)	Rs. 134 Cr.
JDVVN (Jodhpur Discom)	Rs. 179 Cr.
J&K	Rs. 624 Cr.
HPPC (Haryana)	Rs. 60 Cr.
HPSEB (Himachal Pradesh)	Rs. 108 Cr.
PSPCL (Punjab)	Rs. 299 Cr.
UPPCL (Uttar Pradesh)	Rs. 511 Cr.
MB Power	Rs. 55 Cr.
DB Power	Rs. 15 Cr.
GMRKEL	Rs. 82 Cr.
RKM	Rs. 49 Cr.
TRN	Rs. 134 Cr.
KSK Mahanadi	Rs. 88 Cr.

ITEM-5 Opening of Letter of Credit (LC) (Agenda by NHPC)

5.1 The LC of Rs.274.806 Crs opened by JKPCL on behalf of PDD, J&K in favour of NHPC Ltd. has expired on 13.11.2019.

Constituent members may like to discuss.

ITEM-6 Opening of Letter of Credit for FY 2020-21 by all the Discoms(Agenda by THDCIL)

6.1 As per Power Purchase Agreements signed between THDC India Limited & the beneficiaries and MoP, GoI Order dated 28.06.2019, the LC of requisite amount must be opened by the Discom. Therefore, LC for FY 2020-21 is to be opened by the Discoms latest by 31.03.2020. The request letters alongwith details of requisite amount of LC by THDCIL have been sent to concerned Discoms on 06.02.2020.

6.2 All the Discoms are requested to open the LC of requisite amount latest by 31.03.2020.

ITEM-7 Non Opening of Letter of Credit by certain beneficiaries for power supplied from NJHPS & RHPS (Agenda by SJVNL)

7.1 As per mutually signed Power Purchase Agreement and order dated 28.06.2019 issued by Ministry of Power, Beneficiary is to submit a confirmed, revolving, irrevocable Letter of Credit in favour of SJVN for an amount

equivalent to 105% of average monthly billing of preceding 12 months with appropriate bank as mutually acceptable to parties. The LC shall be kept valid at all the time during the validity of the Power Purchase Agreement. In spite of repeated reminders, the following beneficiaries are yet to submit the requisite Letter of Credit for the FY 2020-21.

- **Power Development Deptt. of J&K:**

  Power Development Department of J&K has not yet opened Letter of Credit for power supplied from NJHPS and RHPS. As such Power Development Department of J&K may be advised to submit Letter of Credit in favour of SJVN.

ITEM-8 Non-Opening of Letter of Credit (LC) (Agenda by POWERGRID)

BRPL	LC submitted by BRPL has expired on 31.03.2015 BRPL has to open irrevocable monthly revolving Letter of Credits for Rs. 107 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. 63 Cr. towards POC bills. No action so far even after repeated reminders /notices & personal meetings.
PTC (Lanco Amarkantak)	LC submitted by Lanco Amarkantak has expired on 13.01.2018. PTC (Lanco Amarkantak) has to open irrevocable monthly revolving Letter of Credits for Rs. 27 Cr. towards POC bills. No action so far even after repeated reminders /notices.
J&K	J&K has not opened irrevocable monthly revolving Letter of Credits, which is mandatory as per CERC Regulations. J&K has to open irrevocable monthly revolving Letter of Credits for Rs. 31.63 Cr. towards POC bills. No action so far even after repeated reminders /notices & personal meetings.

ITEM-9 Non-payment of LPS by the Beneficiaries (Agenda by SJVNL)

9.1 It is to point out that while releasing the amount of energy bill raised by SJVN Limited, the amount of late payment surcharge is being excluded by the Beneficiaries.

9.2 It is reiterated that the LPS is an integral part of energy bills which is imposed/charged in view of CERC regulation and provision contained in the Power Purchase Agreement for non-payment of dues. Hence, the non-payment of LPS is violation of Power Purchase Agreement and CERC guidelines on the subject.

9.3 It is, therefore, requested that the Beneficiaries may be advised to make payment of energy bill including the amount of LPS in future while making the payments.

ITEM-10 Double billing of transmission charges (Agenda by TPDDL)

10.1 Double billing of transmission charges corresponding to 14 MW LTOA granted to Suryakanta Hydro Energies Private Limited by PGCIL, to Tata Power-DDL since July'19. The same is being billed to the generator as well as to Tata Power-DDL owing to the lack of clarity regarding billing methodology to be adopted on respect of the same in Regional Transmission Account (RTA) issued by NRPC. Provisionally, manual correction is done by PGCIL in bills. Needs to be corrected in NRPC RTA.

10.2 Double billing of transmission charges corresponding to 11.45 MW LTOA granted to Nanti Hydro Power Project limited, by PGCIL, to Tata Power-DDL from Sep'19 onwards. In this case also, the same is being billed to the generator as well as to Tata Power-DDL owing to lack of clarity regarding billing methodology to be adopted in respect of the same in Regional Transmission Account (RTA) issued by NRPC. Provisionally, manual correction done by PGCIL in bills. Needs to be corrected in NRPC RTA.

10.3 Double billing of transmission charges corresponding to 13 MW LTOA granted to Taranda Hydro Power Project limited, by PGCIL, to Tata Power-DDL from Dec'19 onwards. In this case also, the same is being billed to the generator as well as to Tata Power-DDL owing to lack of clarity regarding billing methodology to be adopted in respect of the same in Regional Transmission Account (RTA) issued by NRPC. Provisionally, manual correction done by PGCIL in bills. Needs to be corrected in NRPC RTA.

ITEM-11 Excess Billing of transmission charges (Agenda by TPDDL)

11.1 Excess Billing of transmission charges corresponding to 8.00 MW (approx.) on Tata Power-DDL on account of incorrect sharing of LTOA quantum of DVC pool power (300 MW) Among Delhi Discoms by Delhi SLDC due to unavailability of supporting documents with SLDC in respect of same since June'2019. Issue resolved provisionally by Delhi SLDC. Necessary documents are required by Delhi SLDC mentioning the Discom Wise LTA quantum from DVC and for revising state Transmission account on a retrospective basis.

11.2 Excess billing of transmission charges corresponding to 2.70 MW (approx.) on Tata Power-DDL due to Non reduction in LTOA quantum of Mejia-6 Power (100 MW) in NRPC RTA. Subsequent to receipt of PGCIL letter dated 15th May'2019 in this regard, it was understood that being Government allocation the same is to be done by NRPC.

Letter nos Tata Power-DDL/PMG/NRPC/17052019 dated 17th May'2019, letter no. Tata Power-DDL/PMG/DVC-LTOA/16102019 dated 16th Oct'2019 and letter no Tata Power-DDL/PMG/NRPC/111219 dated 11th December' 2029 has been sent to NRPC to do the needful. However, this matter is yet to be resolved.

ITEM-12 Refund of STOA charges to Tata Power-DDL (Agenda by TPDDL)

12.1 Refund of STOA charges to Tata Power-DDL pertaining to FY 2018-19 & 2019-20 in line with DTL tariff order 31st July' 2019 issued by Hon'ble DERC. Hon'ble DERC has clarified on the matter vide letter dated 20th December' 2019. Further, Letter no Tata Power-DDL/Delhi SLDC/14022020 dated 14th Feb' 2020 and Letter no Tata Power-DDL /PMG/2019-20/25112019 dated 25th November' 2019 has been sent to Delhi SLDC to do the needful. However, this matter is yet to be resolved.

ITEM-13 Reconciliation Issue regarding DSM/UI accounts with SLDC (Agenda by TPDDL)

13.1 Reconciliation Issue regarding DSM/UI accounts with SLDC and interest payment thereon. Despite the concern being raised at a number of occasions at Commercial subcommittee meetings, GCC meetings and also through letters/ mails /meetings reconciliation of UI/DSM accounts is not yet done by SLDC since 2015. Besides that, SLDC did not release interest on account of delay in UI receipts despite the Hon'ble Commission order dated 29.12.2014. Now Committee is requested to advise SLDC to release the interest amount immediately up to reconciliation period up to Mar 2015. Further SLDC should be advised to sign reconciliation from Apr 2015 upto Dec 2019 and release the interest payment for that that period. As there is substantial delay in release in interest amount so SLDC should be advised to compensate the amount along with carrying cost.

ITEM-14 Status of DSM Charges (Agenda by NRLDC)

14.1 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.

14.2 DSM Charges payable to pool status as on 04th Mar 2020 considering week no-45 (due dated of which is 02nd Mar 2020) is indicated here in below: -

All figures in Rs. Lakhs

S. No	Constituents	DSM Charges Payable (Principal)	Deviation DPI up to FY 2018-19	Total Outstanding	Remarks
1	JAMMU & KASHMIR	4791.915	378.53	5170.44	**Outstanding includes amount which is due for more than 90 days**
2	POWERGRID-NR	283.5465	0	283.546	
3	HIMACHAL SORANG	0	0.08	0.08	
4	UTTARAKHAND	9.91234	0	9.91234	
5	SB ENERGY	8.2911	0	8.2911	

14.3 Even after repeated persuasion of NRLDC for settlement of the long pending dues, the same is still not cleared particularly JKPCL and POWERGRID.

14.4 JKPCL vide letter Dt: 14-02-2020 requested to defer invoking of section 25 A of CERC Regulation w.e.f 00:00 Hrs of 16-02-2020 and some more time to settle the dues post 15th Aug 2019 in view of transformation of Jammu & Kashmir state to UT of J&K & UT of Ladakh & re-organization of JKPDD into various corporations. The dues of JKPCL against NRLDC Fee & Charges & Pool accounts are pending since Feb 2019.

14.5 In this regard, Vide letter No. LDM&T/745, Dt: 21-11-2019, form the office of Executive Engineer, LDM&T, PDD, Jammu, intimated that, payments of Rs. 1,42,82,226/- towards NRLDC Fee & Charges, Rs. 38,93,21,908/- towards Deviation Charges & Rs. 9,62,79,664/- towards RE Charges were made in Sep-19 & Oct-19 through treasury.

14.6 No payment has been received at NRLDC till date as mentioned above by JKPCL. The same was communicated to the concerned, a number of times but despite that no payment has been made towards clearing of those long pending outstanding dues. Further, JKPCL vide letter Dt: 29-01-2020 also intimated that, the Outstanding amount prior to 15th August will be cleared by Govt. of J&K.

14.7 NRLDC, vide letter Dt: 17/02/2020, requested JKPCL to clear all the outstanding dues against pool accounts & Fee & Charges at the latest by 29-02-2020, failure of which would constraint NRLDC to invoke section 25 A of CERC regulation with effect from 00:00 Hrs of 03-03-2020. Since no communication was received fron JKPCL, NRLDC has issued notice to invoke section 25A from 5th March 2020, but based on the reply from JKPCL that the matter has been taken up with highest official in MOP, the same was deferred.

14.8 Upon continuous persuasion from NRLDC for settlement of the payments, POWERGRID has made a payment of Rs.187.53 lakhs against the deviation

charges. NRLDC vide letter Dt: 15/01/2020, requested POWERGRID to release all the outstanding. The same was discussed in various previous CSC/TCC/NRPC meetings, in all these meetings it was advised to POWERGRID to clear all the outstandings as per CERC Regulations. However, the same is still not cleared.

14.9 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.

Members may please deliberate

ITEM-15 Submission of Bank Account details for Disbursement of payments of Pool Accounts (Agenda by NRLDC)

15.1 Even after several requests for submission of Bank Account details to Chandigarh, Railways & JKPCL for enabling electronic mode of payments from the pool accounts, the same is still awaited.

15.2 As per Sub provisio (3) of clause 10 of Central Electricity Regulatory Commission (Deviation Settlement Mechanism and related matters) Regulations, 2014, "All payments to the entities entitled to receive any amount on account of charges for Deviation shall be made within 2 working days of receipt of the payments in the "Regional Deviation Pool Account Fund" of the concerned region".

15.3 As of now, the payment from various pool accounts is being made through cheque to Chandigarh, Railways & JKPCL.

15.4 NRLDC vide Letter Dt: 02-01-2020 requested Chandigarh, Railways & JKPCL to, submit the bank account details at the earliest for enabling electronic mode of payments from the pool accounts.

Members may please deliberate.

ITEM-16 Status of LC against Deviation Charges delayed payment (Agenda by NRLDC)

16.1 The proviso (4) of Regulation 10 of CERC (Deviation Settlement Mechanism and related matter) Regulations, 2014 is quoted below:

16.2 "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.

Provided that –

i. if any regional entity fails to make payment of Charges for Deviation including Additional Charges for Deviation by the time specified in these regulations during the current financial year, it shall be required to open a Letter of Credit equal to 110% of weekly outstanding liability in favour of respective Regional Load Despatch Centre within a fortnight from the due date of payment.

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

Sl. No	Name of NR Pool members	LC Amount (Rs. in Lakh.)	Status	No of defaults in Deviation Payment	
				FY 18-19	FY 19-20
1	Uttar Pradesh	768.05	LC not opened	24	
2	Uttarakhand	501.45	LC not opened	10	35
3	Himachal Pradesh	395.72	LC not opened	1	
4	UT Jammu & Kashmir (JKPCL)	954.05	LC not opened	34	22
5	Greenko Bhudil	40.13	LC of Rs. 17.19 Lakhs opened for the period upto 29.05.20. LC needs to be enhanced.	4	11
6	Punjab	719.46	LC not opened	27	21
7	UT Chandigarh	509.00	LC of Rs. 509 Lakhs opened for the period upto 31.03.2020.	9	2
8	PGCIL	25.22	LC not opened	15	36
9	Rajasthan	619.25	LC not opened	4	
10	NFL	1.28	LC not opened	4	
11	Nepal (PTC)	29.53	LC not opened	2	
12	Azure Power Solar	49.87	LC not opened		14
13	Azure Power Thirty four Solar	37.34	LC not opened		8
14	Renew Power Solar	12.02	LC not opened		6
15	Mahoba Soalr	26.75	LC not opened		5
16	ACME Solar	30.91	LC not opened		4
17	SB Energy Solar	13.37	LC not opened		1

16.3 Vide MOM of 40th CSC meeting, the format in which the LC should be opened was intimated to the defaulting parties. Only Chandigarh & Greenko Budhil have submitted the LC, further these are aslo not in accordance with the format prescribed by NRLDC.

16.4 Vide MOM of 41st CSC meeting, CSC advised all the defaulting entities to open the LC against Deviation Charges in compliance to CERC Regulations.

16.5 Defaulting entities are requested to open the LC against Deviation Charges (as per prescribed format of NRLDC) in line with the Regulations of CERC.

16.6 Members may please deliberate.

ITEM-17 Reactive Energy charges status (Agenda by NRLDC)

17.1 Reactive Energy Charges status as on 04th Mar 2020 considering week no-45 (due dated of which is 02nd Mar 2020) is indicated here in below: -

All figures in Rs. Lakhs

S. No	Constituents	RE Charges Payable (Principal)	RE DPI up to FY 2018-19	Total Outstanding	Remarks
1	JAMMU & KASHMIR	1002.78	215.751	1218.53	Outstanding includes the amount which is due for more than 90 days
2	Uttar Pradesh	209.6967	0	209.6967	

17.2 NRLDC, vide letter Dt: 17/02/2020, requested JKPCL to clear all the outstanding dues against pool accounts & Fee & Charges at the latest by 29-02-2020, failure of which would constraint NRLDC to invoke section 25 A of CERC regulation with effect from 00:00 Hrs of 03-03-2020.

17.3 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.

Members may please deliberate.

ITEM-18 Reconciliation of Pool Accounts (October 19 to December 19) (Agenda by NRLDC)

18.1 Reconciliation statement of Deviation Charges and Reactive Energy Charges has been forwarded to entities and uploaded on website by NRLDC on 10.01.2020. The constituents are requested to verify /check the same & comments if any on the same were to be reported to NRLDC by 31.01.2020. In case of non-receipt of any communication it will be presumed that reconciliation statement stands reconciled.

18.2 However, except ADHPL, SJVN, Uttar Pradesh, 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-19 Status of Ancillary Services (Agenda by NRLDC)

19.1 The Status from week 01 to 43 of financial year 2019-20 as on 20th Feb 2020 is as herein below as per NRPC bill

All fig. In Rs. Cr.

Week		Surplus in DSM A/c	RRAS			AGC			FRAS
			UP	DOWN	Net	UP	DOWN	Net	
W-1	(01.04.19-07.04.19)	29.627	2.747	0.283	2.464	1.275		1.275	0.025
W-2	(08.04.19-14.04.19)	41.472	2.684	0.499	2.185	2.245		2.245	0.028
W-3	(15.04.19-21.04.19)	47.005	0.849	0.179	0.670	1.126		1.126	0.027
W-4	(22.04.19-28.04.19)	40.555	2.581	0.197	2.384	1.017		1.017	0.050
W-5	(29.04.19-05.05.19)	36.086	0.791	1.408	-0.616	0.000		0.000	0.022
W-6	(06.05.19-12.05.19)	45.149	15.088	0.179	14.909	1.196		1.196	0.023
W-7	(13.05.19-19.05.19)	39.599	5.730	0.424	5.306	2.685		2.685	0.023
W-8	(20.05.19-26.05.19)	51.312	16.626	0.427	16.200	1.528		1.528	0.023
W-9	(27.05.19-02.06.19)	37.849	9.970	1.234	8.736	0.956		0.956	0.000
W-10	(03.06.19-09.06.19)	17.918	5.159	0.233	4.925	2.506		2.506	0.002
W-11	(10.06.19-16.06.19)	42.772	13.980	0.838	13.142	2.400		2.400	0.011
W-12	(17.06.19-23.06.19)	24.800	11.285	0.182	11.103	2.922		2.922	0.002
W-13	(24.06.19-30.06.19)	7.351	18.619	0.373	18.246	1.878		1.878	0.002
W-14	(01.07.19-07.07.19)	17.360	16.649	0.522	16.127	1.521		1.521	0.003
W-15	(08.07.19-14.07.19)	14.660	4.758	0.310	4.447	1.864		1.864	0.000
W-16	(15.07.19-21.07.19)	38.118	19.501	0.662	18.838	2.270		2.270	0.000
W-17	(22.07.19-28.07.19)	27.378	12.115	0.290	11.825	1.505		1.505	0.000
W-18	(29.07.19-04.08.19)	18.124	13.711	0.332	13.379	1.856		1.856	0.000
W-19	(05.08.19-11.08.19)	15.466	1.467	1.232	0.235	2.349		2.349	0.002
W-20	(12.08.19-18.08.19)	23.185	5.298	0.947	4.351	1.210		1.210	0.001
W-21	(19.08.19-25.08-.9)	17.711	6.343	0.680	5.663	1.187		1.187	0.000
W-22	(26.08.19-01.09.19)	23.226	12.503	0.879	11.624	0.579		0.579	0.000
W-23	(02.09.19-08.09.19)	17.658	5.738	1.094	4.644	0.249		0.249	0.000
W-24	(09.09.19-15.09.19)	11.889	16.597	0.336	16.261		0.114	-0.114	0.000
W-25	(16.09.19-22.09.19)	9.699	5.011	0.911	4.101	0.665		0.665	0.000
W-26	(23.09.19-29.09.19)	8.402	11.006	0.430	10.576	0.249		0.249	0.000
W-27	(30.09.19-06.10.19)	9.018	11.404	0.174	11.230	0.436		0.436	0.000
W-28	(07.10.19-13.10.19)	4.602	7.933	0.360	7.573	0.555		0.555	0.000
W-29	(14.10.19-20.10.19)	3.999	16.659	0.287	16.372	0.694		0.694	0.000
W-30	(21.10.19-27.10.19)	-1.230	2.773	0.511	2.261	0.559		0.559	0.000
W-31	(28.10.19-03.11.19)	7.332	9.433	0.395	9.038	1.455		1.455	0.000
W-32	(04.11.19-10.11.19)	36.158	19.168	0.287	18.881	0.872		0.872	0.000
W-33	(11.11.19-17.11.19)	-17.637	18.861	0.166	18.695	0.817		0.817	0.000
W-34	(18.11.19-24.11.19)	15.539	17.651	0.189	17.462	1.158		1.158	0.000
W-35	(25.11.19-01.12.19)	12.066	13.749	0.079	13.671	1.054		1.054	0.000
W-36	(02.12.19-08.12.19)	4.274	12.991	0.688	12.303	0.904		0.904	0.000
W-37	(09.12.19-15.12.19)	26.907	10.341	0.324	10.017	0.592		0.592	0.000
W-38	(16.12.19-22.12.19)	9.223	5.947	0.869	5.078	0.459		0.459	0.000
W-39	(23.12.19-29.12.19)	11.613	9.770	1.276	8.495	0.766		0.766	0.000
W-40	(30.12.19-05.01.20)	10.271	10.098	1.023	9.076	1.969		1.969	0.000
W-41	(06.01.20-12.01.20)	13.021	15.542	0.345	15.196	2.577		2.577	0.000
W-42	(13.01.20-19.01.20)	3.686	7.560	0.589	6.972	2.744		2.744	0.000
W-43	(20.01.20-26.01.20)	5.076	7.038	0.583	6.454	1.945		1.945	0.000

19.2 AGC has been settled up to Week 43 of FY 2019-20. RRAS UP service providers has been settled completely up to week 42 & Week 43 has been partially settled. Rs.5.27 is pending against Week 43.

This is for kind information of the members.

ITEM-20 NRLDC Fee & Charges (Agenda by NRLDC)

20.1 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/".

20.2 Status of outstanding against NRLDC Fee & Charges is shown here in below:

Sl.No.	Entities	Amount Outstanding in Rs.	Remarks
1	**J&K**	**1,99,26,829**	Outstanding against Feb-19 to Feb -20 bill including Surcharge upto 29-02-2020
2	**Himachal Sorang HEP**	**2,13,690**	Outstanding against PLI 2016-17 and PLI 2017-18 and Nov-19 to Dec -19 Bills including surcharge
3	**NRSS 36 Transmission**	**2,909**	Outstanding against Sep-19 to Dec -19 bill
4	**Delhi**	**17,86,089**	Outstanding against Dec -19 bill
5	**Haryana**	**22,77,222**	Outstanding against Dec -19 bill
6	**Rajasthan**	**15,23,541**	Outstanding against Dec -19 bill
7	**Uttarakhand**	**4,41,456**	Outstanding against Dec -19 bill

20.3 It is requested to the users to clear the outstanding at the earliest.

20.4 NRLDC is requesting all the Users that while making the payment please provide the payment details in the prescribed format, as provided below:

20.5 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)

20.6 However, it is observed that most of the Users are not providing the details as per the enclosed formats.

ITEM-21 Reconciliation of NRLDC Fee and charges (Agenda by NRLDC)

21.1 NRLDC vide letter dated 24/01/2020 has sent the reconciliation statements of NRLDC Fee and Charges for the quarter -3, 2019-20 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 25-02-2019. Reconciliation from ADHPL, Koteshwar HEP, HP, SJVN, Azure Power & Azure Power thirty-four, NRSS XXXI (B) Transmission Ltd. Parbati 2, Tanakpur & THDC has only been received.

21.2 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-22 Reconciliation of STOA (Short Term Open Access) Charges disbursement (Agenda by NRLDC)

22.1 NRLDC has sent the reconciliation statement of open access disbursement for the Quarter- 3 of financial year 2019-20 on 27th January 2020. The applicants/STU/SLDCs were requested to verify /check the reconciliation statement & comment if any on the same by 14th Feb 2020.

22.2 Applicants 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-23 Status of Outstanding STOA Delay Payment Interest as on 25th February 2020 (Agenda by NRLDC)

23.1 NRLDC is the nodal agency for processing of STOA transaction where point of drawal is located in Northern Region in accordance with CERC Open Access Regulations. However, some of the STOA applicants making delayed payment and therefore accountable for payment of interest charges.

23.2 The status of pending interest amount is as follows:

Amount in Rs.

S.No.	Applicant Name	Transaction months	Pending Interest
1	Adani Power Limited Stage-3	Sep-19, Oct-19 & Jan-20	1,06,978
2	Adani Power Limited, Stage-2	Sep-19 & Nov-19	12,798
3	Azure Power India Pvt. Ltd	Aug-19, Sep-19 & Oct-19	562
4	Baragarh Hydro Power Co. Pvt. Ltd.	Jul-19	868
5	Northern Railway, Delhi Division	Apr-19 & May-19	22,296

6	NORTHERN RAILWAYS (UP)	Oct-18, Mar-19, Apr-19 & May-19	58,209
7	ReNew Solar Power Private Limited	Aug-19 & Sep-19	364
8	Shamli Steels Private Limited	Nov-19 & Dec-19	617
			2,02,692

23.3 All applicants are requested to clear the pending interest amount.

ITEM-24 Five Minutes Metering pilot project Status (Agenda by NRLDC)

24.1 CERC vide it's Suo-Motu petition No. 07/SM/2018 dtd 16th of July 2018 on "Pilot Project on 05-Minute Scheduling, Metering, Accounting and Settlement for Thermal/Hydro" has ordered CTU to facilitate the pilot project with installation of 5-minute meters at the pre-identified locations (NTPC Dadri (15 Nos.), THDC Tehri (2 Nos.), NTPC Mouda (14 Nos.), NTPC Simhadri (6 Nos.), NTPC Bongaigaon (4 Nos.), NTPC Barh (4 Nos.), NHPC Teesta (2 Nos.), NHPC Loktak (4 Nos.) generating stations). Further, it was directed to complete the procurement and installation of the 05-minute meters in the pilot project by the end of August, 2018 in coordination with POSOCO. As per the information available with NRLDC, the NRTS-1 has placed the LOA to M/s Elster but the same was terminated due to non-compliance of some technical specifications and timeline.

24.2 In this regard, CTU is requested to kindly update the latest status of procurement and installation of interface meters

ITEM-25 Installation of Interface meter on 220 KV Drass-Alusteng Line (Agenda by NRLDC)

25.1 After the formation of UT of J&K and UT of Ladakh; 02 nos of interface meters are required to be installed on 220 KV Drass-Alusteng Line. Since there is internet communication issue at Drass end, 01 interface meters as backup meter may also be installed at Kargil end.

25.2 In view of this, NRLDC vide email dated 14.12.2019 has intimated CTU to arrange installation of interface meters on both side of 220 KV Alusteng Drass single ckt line.

25.3 Meter at Alusteng has been installed on 07.01.2020. But even after several reminders, meter has not been installed at Kargil and Drass end.

25.4 It has been observed that meter installed at Alusteng end has time drift of more than 12 hours. CTU is requested to replace the above meter and install meters at Drass and Kargil end on priority.

ITEM-26 STATUS of AMR Integration work (Agenda by NRLDC)

26.1 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 288 locations has been completed covering 1860 meters.

26.2 However out of 288 locations (1860 meters), only around 250 nos. of locations (1280 meters) i.e. around 69 % data is being used from AMR system for preparation of regional energy account. It may be noted that AMR integration of 335 nos of elster make meters from 32 locations has been completed by AMR. However, the data of elster make meters provided by AMR has some issues given in next para and because of that NRLDC is not able to use the same.

No of meters integrated on AMR

S.No.	Total no of Meters		No Meters integrated		No of meters to be integrated	
1	L&T	Elster	L&T	Elster	L&T	Elster
2	1542	526	1481	379	61	147
	2068		**1860**		**208**	

26.3 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)	No of meters integrated	No of meters received in totality	No of meters data received in totality by Tuesday	No of meters received after Tuesday
1	060120-120120	1857	1279	1243	15
2	130120-190120	1857	1259	1227	32
3	200120-260120	1858	1281	1248	33
4	270120-020220	1860	1280	1250	30

26.4 There is some improvement in data submission to NRLDC by Tuesday particularly after switching over of 103 locations to OPGW. However, data from all locations are required for calculation of losses and preparation of weekly regional energy account. Non-availability of data from any 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.

26.5 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.

26.6 As informed by M/s Kalkitech, AMR communications through optical fibre link at 103 locations of POWERGRID and other utilities have been configured.

S.No.	Make of meters	No of Locations	No of Meters
1	L&T	71	785
2	Elster	32	335
		103	1120

26.7 However, the data of 220 Elster make meters from 20 locations through AMR has been disabled to prevent it from getting faulty. It may be noted that the meters installed in Kiosk is having more chances of failure whereas meters installed in Control room are working properly.

26.8 POWERGRID may please apprise the reason behind meter getting faulty and further solution.

26.9 As state earlier, elster make meter data through AMR is presently not reliable, therefore, all utilities are requested to continue sending the data manually of Elster make meters latest by Tuesday morning.

ITEM-27 Integration of AMR System with Elster Meters (Agenda by NRLDC)

27.1 POWRGRID confirmed that both M/s Kalkitech and M/s Synergy are able to integrate Elster make meter with AMR system in Commercial subcommittee meeting held on 12th September, 2019. At present balance L&T make meters and all Elster make meters are in integration process with AMR system. M/s Kalkitech has also started providing NPC files (converted) to NRLDC and NRLDC is validating the received files with the data received through DCD from sites. M/s Synergy System & Solutions, Faridabad has setup servers at NRLDC and now started the integration of Elster meters in AMR system.

27.2 NRLDC Observations with reference to Elster make Energy meters installed and integrated with AMR system at various locations in NR are as below:

I. Due to some technical issues or improper integration, the incorrect AMR data is being fetched in-case the feeder is under shutdown for 24 hrs like Mandola PG.

II. Inconsistency of reporting of all integrated Elster meters at a location through AMR. Whole day meter data & * symbol are missing in npc files provided by M/S Kalkitech like Meter NR-4474-A at Ajmer PG for date 3.11.19.

III. In some meters .npc files provided by M/S Kalkitech, cumulative WH, Reactive high and Reactive low energy are not recording like Chittorgarh PG meter no NR-4534-A for week 28.10.19 to 03.11.19.

IV. Cumulative energy of a day in npc file through DCD showing opposite sign like NR-3217-A at Jalandhar PG from 14.10.19 to 18.10.19.

V. Counter Register of WH, Reactive high & Low values in npc file are Zero whereas block-wise data is available like meter NR-3329-A (AMR) at Kurukshetra PG for week 28.10.19 to 03.11.19

VI. After integration Elster meters with AMR system making the meters defective/faulty e.g. at Kuruksherta and Chittorgarh PG.

27.3 Status as on date for integration of Elster make meters with AMR by M/s Kalkitech as follows:

Out of 34 (POWERGRID and other utilities location) from 20 locations Elster meter data in AMR are not reporting due to manual interruption to avoid further possibility of meter getting faulty.

27.4 POWERGRID may please appraise the present status and period by which integration of all Elster make meters will be completed.

ITEM-28 Status regarding procurement of DCD/Meters (Agenda by NRLDC)

28.1 NRLDC vide its letter Ref. No. NRLDC/MO/Metering/1606-1613 dated 01.10.18 has intimated POWERGRID regarding estimated no's of DCDs and meters required for next 1-2 years. Further POWERGRID vide its emails in June-19 informed NRLDC that lot of meters are required for upcoming solar parks in Norther Region and its present availability is not sufficient to meet the requirement.

28.2 For estimation of DCD/Meter requirement; NRLDC requested POWERGRID to provide the present availability of DCDs and meters available in POWERGRID store.

28.3 Based on the information provided by POWERGRID on 13.06.19, NRLDC vide its letter ref. no. NRLDC/MO/Metering/10/986 dated 12.07.19 informed POWERGRID regarding procurement of estimated quantity of DCDs and Meters. POWERGRID stated that 130 nos. of DCD and 240 nos. of Meters have to be procured and bid opening of the tender was due on 3rd and 4th October, 2019.

28.4 POWERGRID may update the latest status on procurement of DCD/meters.

ITEM-29 Time drift Correction in Interface Energy Meters (Agenda by NRLDC)

29.1 NRLDC compares the frequency code of all Interface Energy Meter readings with a reference Energy meter. If there is a difference of 2 or more frequency code in consecutive 3 time blocks. 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.

29.2 NRLDC vide its letter Ref. No./NRLDC/MO/Metering/3/343-364 dated 12-02-2020 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.

29.3 All the utilities 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.

29.4 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

29.5 Time Drift Report summary of various utilities is given below:

S.No	Utility	Nos. of Meters on which Time-drift has been observed in week 20.01.2020 to 26.01.2020
1	BBMB	9
2	CHANDIGARH	2
3	DTL	8
4	**HPSEB**	**11**
5	Punjab	1
6	**HVPNL**	**14**
7	J&K	5
8	NHPC	9
9	NTPC	4
10	PGCIL- NR1	1
11	PGCIL- NR2	8
12	**PGCIL- NR3**	**16**

13	NAPP	1
14	**PTCUL**	**28**
15	RAILWAYS	2
16	RVPNL	5
17	UPPTCL	6
	Total	130

29.6 There has been improvement in meter time drift report status. However, all utilities are requested to take corrective action on weekly basis.

Members may deliberate.

ITEM-30 Replacement/Rectification of SEM meters (Agenda by NRLDC)

30.1 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. The details of faulty meters as per **Annexure-30.1** have been intimated to CTU by email for replacement.

30.2 POWERGRID may please the intimate the time frame by which the issue related to meters will be resolved.

ITEM-31 Nomination of nodal officer:

31.1 In Northern Region, there are around 320 locations 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; however, many of the stations have not intimated about its nodal officer except SJVN BBMB, NHPC, NTPC, Rajasthan, Punjab, DTL, UPPTCL, Haryana and Pragati Power.

31.2 NRLDC vide email dated 19.02.2019 and letter ref. no. No/NRLDC/MO/Metering/3/343-364 dated 12.02.20 has requested remaining constituent (UT of J&K, PTCUL, H.P. etc) to kindly nominate one nodal officer for coordination for all metering related issues.

Annexure-3.1

Appendix-I

भारत सरकार
विद्युत मंत्रालय
उत्तर क्षेत्रीय विद्युत समिति
18-ए, श.जीत सिंह मार्ग, कटवारिया सराय,
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Government of India
Ministry of Power
Northern Regional Power Committee
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वेबसाईट Website : www.nrpc.gov.in

सं. उक्षेविस/वाणिज्यिक/203/वि.नि.ले./ 2016/8775
No. NRPC/Comml/203/DSA/ 2016/

दिनाँक: 22 सितम्बर, 2016
Dated: 22nd September, 2016

सेवामें / To,

संलग्न सूची के अनुसार
As per list enclosed

विषय: बीबीएमबी स्टेशनों के शिड्यूलिंग, मीटरिंग एंव लेखांकन के तौर तरीकों के अंतिम रूप पर चर्चा करने के संबंध में दिनांक 29.08.2016 को आयोजित बैठक में लिए गए निर्णयों/ विचार –विमर्श का सार ।

Subject: Gist of the discussions in the meeting held on 29.08.2016 to finalise the modalities regarding scheduling, metering and accounting of BBMB stations.

महोदय/Sir,

उपरोक्त विषय पर उत्तर क्षेत्रीय विद्युत समिति, सम्मेलन कक्ष, कटवारिया सराय, नई दिल्ली में दिनांक 29.08.2016 को आयोजित की गई बैठक में लिए गए निर्णयों / विचार विमर्श का सार संलग्न है।

The Gist of discussions held/ decisions taken in the meeting held on 29.08.2016 at NRPC Conference Hall, Katwaria Sarai, New Delhi on the above subject is enclosed herewith.

अनुलग्नक – यथोपरि ।
Encl.: As above.

भवदीय
Yours faithfully,

22.09.2016
(अजय तलेगांवकर)
(Ajay Talegaonkar)
अधीक्षण अभियंता (वाणिज्य)
Superintending Engineer (Commercial)

Gist of the discussions in the meeting held on 29.08.2016 to finalise the modalities regarding scheduling, metering and accounting of BBMB stations.

List of the participant is enclosed in Annex-I.

1. Member Secretary, NRPC welcomed the participants. Giving the background SE, NRPC, stated that to discuss the modalities for scheduling, metering and accounting of BBMB stations, a meeting was held on 27.05.2016 at Chandigarh, wherein officers from NRPC Sectt., NRLDC and BBMB were present. Issues were again deliberated in the subsequent, meeting held on 15th July, 2016. Another meeting was held on 03rd August, 2016 between NRPC Sectt and NRLDC to finalize the mechanism from energy accounting of BBMB in accordance with the regulatory provisions. Later, BBMB vide their letter no. 12th August, 2016 requested, NRPC Secretariat to convene a meeting to discuss the relevant issues in the presence of its partner states and other stakeholders. Therefore, this meeting has been convened.

2. Member Secretary, NRPC stated that as per CERC direction BBMB has come under the purview of ABT mechanism. Therefore, scheduling, metering and energy accounting need to be done according to CERC Regulations in this regards. The present practices followed for energy accounting in respect of BBMB might need revision, if it is not in line with regulatory provisions. In case interface meters are not available at inter-state points, the same need to be installed by CTU and meter data submitted to NRLDC by BBMB as per the provisions of grid code. Thereafter, the decisions taken in the meeting held on 3rd August 2013 (copy enclosed at Annex-II) were taken one by one for discussion.

3. Regarding the treatment of NFL as a regional entity, BBMB representative stated that they are neutral on this issue as it does not affect them in any way. No representative of NFL was present in the meeting. SE, NRPC, stated that the options regarding treatment of NFL were discussed in detail in earlier meeting, where NFL was also present. In that meeting, it had emerged that till NFL has allocation from BBMB generating stations it has to be treated as a regional entity. Subsequently, NFL had requested for details of applicable charges etc, in case it becomes a regional entity. The details available with NRPC secretariat had been mailed to NFL. He emphasised that at present there is no option but to make NFL a regional entity and deviation charges would be applicable on NFL, w.e.f 1st June,2016, as per CERC Regulations.

4. On a query related to utilisation of share allocated to Rajasthan Fertilisers Limited (RFL), representative of RVPN informed that this power was being consumed by Discoms of Rajasthan. It was decided that drawal schedule against RFL share will be added in total drawal schedule of Rajasthan and deviation charges would be calculated accordingly.

5. While agreeing to the decision for calculation of Deviation charges for Irrigation Wing of BBMB separately, representative of BBMB expressed difficulty in getting weekly meter data as most of the location are in remote areas. He requested that frequency of data collection may be kept monthly. Member Secretary, NRPC, clarified that the metering and data collection would need to be done as per regulatory provisions and weekly data of interface meters need to be provided by the utility concerned. Regarding the meters, it was clarified by representative of NRLDC that they would take up the matter with CTU for placement of interface meters as per regulatory provisions. It was decided that till such meters are installed, the data from existing meters would be supplied by BBMB and the same would be used for calculation of deviation charges. BBMB would strive to submit meter data of presently installed energy meters on weekly basis, which would be spread uniformly to all the time blocks for the purpose of deviation accounting.

6. Representative of BBMB informed that apart from supply to Irrigation Wing through state feeders, there are provisions for supply to Irrigation Wing from some generating stations of BBMB directly. It was agreed that the total power drawn by Irrigation Wing would be calculated by adding its drawal from state feeders as well as from feeders directly emanating from generating stations. Further, the energy drawn by Irrigation Wing on the feeders directly emanating from generating stations will also be added while arriving at the total ex bus generation by BBMB stations. Drawal by Irrigation Wing feeders in the state will be subtracted from actual drawal of the respective state. NRLDC representative requested BBMB to provide details of all Irrigation Wing feeders and data of drawal on these feeders. Representative of BBMB agreed to this.

7. It was also decided that Deviation charges liability so calculated for Irrigation Wing would be passed on to the partner states of BBMB in the ratio of percentage allocation from Bhakra Complex. The percentage allocation to partner states after excluding common pool allocation to different entities would be considered for this purpose.

8. As per earlier decision, the Declared Capacity (DC) shall be submitted by BBMB to NRLDC as per CERC Regulations. All the stakeholders agreed to this.

9. Regarding the charges for auxiliary energy consumption of BBMB Grid sub-stations, it was agreed that these charges should be borne by BBMB, as per Regulation 39 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014. There should not be any adjustment in actual drawal of states and generation of BBMB generating stations on this account. Representative of BBMB while agreeing to this, stated that this aspect is to be discussed with concerned states. Member Secretary, NRPC suggested that BBMB could take up the matter with states concerned, including Delhi to finalise the modalities for supply of power to BBMB Grid sub-stations.

10. The issue of adjustment on account of deemed generation for diversion of water to Anandpur Sahib Power Station was discussed in detail. It was felt that under present regulatory provisions, it would not be possible to account for such deemed generation adjustments in the energy accounts issued by NRPC Sectt. It was decided that BBMB may settle this matter mutually with Punjab.

11. During the deliberation, it was felt that there was difficulty in calculating entitlements of beneficiaries of BBMB generating stations as first layer of present allocations are on first charge basis and remaining power is then allocated to partner states in specified percentage. It was felt that this issue needs to be taken up by BBMB with Ministry of Power so that allocation from BBMB stations is also in line with other ISGS. It was decided that for the present, entitlements would be calculated as per the existing practice.

Meeting ended with vote of thanks to the chair.

Annex-I

List of Participants

S.No.	Name of officer	Designation	Organisation
1.	P. S. Mhaske	Member Secretary	NRPC
2.	Ajay Talegaonkar	S.E.	NRPC
3.	Hemant Pandey	S.E.	NRPC
4.	B.S. Bairwa	EE(O)	NRPC
5.	Ratnesh Kumar	EE(C)	NRPC
6.	Manish Maurya	AE(C)	NRPC
7.	D.K. Jain	AGM	NRLDC
8.	H.K. Chawla	DGM	NRLDC
9.	Sameer Saurabh	Sr. Engineer	NRLDC
10.	Sachin Panwar	Jr. Engineer	NRLDC
11.	S.K. Sarwal	ASE (PR)	PSPCL
12.	Iqbal Singh	ASE (SLDC)	PSPCL
13.	N.K. Makkar	EE	HVPNL
14.	Manish Sharma	EE (ISP)	RVPN
15.	Joginder Singh	SE (I/S)	HPSEBL
16.	Kuldeep Kumar	AE (E)	HPSEBL
17.	Arun Gautam	Dir. (PR)	BBMB
18.	Sanjay Sidana	Asst. Dir (C)	BBMB

Annex-II

Decisions taken in the meeting held on 3rd August 2016

(i) NFL will be treated as regional entity as it has allocation of power from BBMB which is ISGS. Accordingly deviation charges will be calculated for NFL effective from 01 June, 2016.

(ii) Deviation charges would be calculated for Irrigation Wing (IW) of BBMB as a separate entity since it has allocation from BBMB complex. Deviation charges liability so calculated would be passed on to the partner states of BBMB in the ratio of percentage allocation.

(iii) The Declared Capacity (DC) shall be given by BBMB as per CERC Regulations.

(iv) The charges for auxiliary energy consumption of BBMB Grid sub-stations will be borne by BBMB as per Regulation 39 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014. There will not be any adjustment in actual drawal of states and generation of BBMB generating stations on this account.

(v) There will be no adjustment on account of deemed generation for diversion of water to ASPS. This issue will be settled between BBMB and Punjab bilaterally.

(vi) NRLDC will take up the matter with CTU to install Interface Meters at IW feeder locations. Till these meters are installed, the reading of existing meters will be taken for accounting purpose. BBMB will endeavor to supply the data of these meters on weekly basis. NRLDC will calculate actual drawl of IW based on these meters.

(vii) Drawal by IW feeders in a state will be subtracted from actual drawal of the state.

Annexure-3.2

Appendix-II

THE ELECTRICITY (REMOVAL OF DIFFICULTY) SEVENTH ORDER, 2005[1]

Whereas the Electricity Act, 2003 (36 of 2003) (hereinafter referred to as the Act) came into force on the 10th June, 2003;

And whereas sub-section (73) of section 2 of Act defines a transmission licensee as a licensee authorised to establish or operate transmission lines;

And whereas sub-section (72) of section 2 of the Act provides that "transmission lines" means all high pressure cables and overhead lines (not being an essential part of the distribution system of a licensee) transmitting electricity from a generating station to another generating station or a sub-station, together with any step-up and step-down transformers, switch-gear and other works necessary to and used for the control of such cables or overhead lines, and such buildings or part thereof as may be required to accommodate such transformers, switch-gear and other works;

And whereas supply of electricity to the housing colonies of the operating staff of sub-stations located in the same premises is an integral part of the activity of transmission of electricity by a transmission licensee;

And whereas housing the operating staff in the premises, where such sub-station is located, is absolutely necessary in the interest of satisfactory operation of such sub-station; .

And whereas difficulties have arisen regarding the requirement of taking licence for supplying power to the housing units of the operating staff of the sub-stations by transmission licensees;

Now, therefore, the Central Government in exercise of its powers conferred by section 183 of the Act hereby makes this order in respect of supply of electricity to the housing colonies of the operating staff of sub-station, not inconsistent with the provisions of the Act, to remove the difficulties, namely:—

1. Short title and commencement.—(1) This order may be called the Electricity (Removal of Difficulty) Seventh Order, 2005.

(2) It shall come into force on the date[2] of its publication in the Official Gazette.

2. Supply of electricity to housing colony of sub-station.—The supply of electricity by a transmission licensee to the housing colonies of the operating staff, located in the premises of that sub-station, will be deemed to be an integral part of the activity of transmitting electricity and such licensee shall not be required to obtain licence under this Act for such supply of electricity.

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1. *Vide* S.O. 796(E), dated 8th June, 2005, published in the Gazette of India, Extra., Pt. II, Sec. 3(ii), dated 8th June, 2005.
2. Came into force on 8-6-2005.

138

Annexure-3.3

informed that the action in the matter had already been initiated and the schemes were likely to be in place within next 2-3 months.

B.2 ASSESSMENT OF MAXIMUM AVAILABLE CAPACITY (MAC) FOR A HYDRO STATION

SE(C), NREB stated that technical specifications of hydro units / stations to take a final decision in regard to overload capability were still awaited from from NHPC / SJVN. However, SJVN in a letter dated 16th November, 2005 had intimated that upto 10% overload capability of individual units of NJHPS was available only intermittently for short periods provided the net head was between 428 and 450 metre. In case it was available, NJHPC would declare the same depending upon the state of the machines, head available, silt content, etc.

NRLDC stated that they wanted to ascertain three types of overload capability viz. (i) continuous overload capability for high hydro season, (ii) 3-hour overload capability for peaking purposes and, (iii) short term overload capability for utilisation under FGMO. Referring to the information furnished by NHPC to CERC in the tariff petitions, NRLDC pointed out that barring Salal & Tanakpur HPSs, all other NHPC stations had intermittent / continuous overload capability ranging from 5 to 10%. NRLDC sought further technical details from NHPC / SJVN to determine realistic overload capability of various hydro stations. Constituent States were also of the view that hydro units had an inherent overload capability, which must be utilised.

Commercial Committee again requested NHPC and SJVN to furnish relevant technical specifications of hydro units / stations (generator part only) to NREB secretariat to take a final decision in regard to overload capability at the forthcoming meetings of TCC / NREB.

NEW ITEMS

B.3 ACCOUNTING OF ENERGY CONSUMPTION OF BBMB SUBSTATIONS

BBMB stated that under Section 183 of Electricity Act, 2003, they could supply electricity to the colonies located at their substations provided it was accounted for as BBMB consumption and not to the account of constituents as was being done in the REAs. In order to account for this energy as BBMB consumption, due credit for the energy consumed at various BBMB substations shall have to be given to the respective constituents in their metered drawal. This energy would be treated as Common Pool Consumption of Bhakra and shall be subtracted from the ex-bus energy sent out before working out shares of partner states. BBMB requested Commercial Committee to discuss / approve the proposed change in the accounting procedure.

The Committee approved the proposal of BBMB for implementation with prospective effect. However, in order to avoid complexity in accounting, it was agreed that average auxiliary consumption of various BBMB substations for the last year would be used for the purpose instead of considering the actual monthly consumption. BBMB would work out these figures based on last year's data and furnish the same to NREB secretariat for energy accounting and to NRLDC / constituent States for record.

Annexure-3.4

Appendix-IV

certification during RRAS in 11.2 (ii) of the SOR of (Ancillary Services Operations) Regulations, 2015 wherein it has been stated that the mark-up will account for the revised costs due to open cycle operation in RRAS. In contravention to that, CERC in its order in petition no. 01/SM/2016 (Suo-Motu) has stated that the mark-up seeks to only compensate for the additional wear and tear, if any, that may be caused due to increased ramp up and ramp down cycles under Ancillary Services scheduling.

6.3 NTPC reiterated that since Station Heat Rate and Auxiliary power consumption of the plant changes during open cycle operation, open cycle charges should be given during RRAS operation as well.

6.4 Member Secretary, NRPC opined that the SOR of any regulation may not be considered as a legal document and must be referred to, only when there is some discrepancy in the principal regulation. He stated that since CERC has clearly stated that mark-up during RRAS only seeks to compensate additional wear and tear, open cycle certification should be allowed when machine is operating under RRAS. He stated that NRPC Sectt would be certifying open cycle generation during RRAS as well as normal operation (when schedule is provided by beneficiaries) on a monthly basis and NTPC can settle their claims of open cycle generation during RRAS from the pool in a similar manner like the settlement is being done with beneficiaries.

CSC agreed to the above approach.

ITEM-7 Payment of Interest due to delay in payment of RRAS Charges to the RRAS Provider

7.1 APCPL stated that the payment of RRAS Charges to APCPL IGSTPS-Jhajjar in case of RRAS Up regulation during the FY 2016-17, 2017-18, 2018-19 & 2019-20 (till 11th week) was made after the due date i.e. 17 days from the date of issuance of RRAS account by NRPC on several occasions but the payment of interest @ 0.04% per day of delay was not made in accordance with the RRAS detailed operating procedure.

7.2 APCPL further stated that as per para 13.10 of Detailed Operating Procedure for Ancillary Services issued by CERC vide dated 21.11.2016, due to delay in payment of RRAS Charges by NRLDC to Aravalli Power Company Private Limited (APCPL-IGSTPS Jhajjar) during the FY 2016-17, 2017-18, 2018-19 & 2019-20 (from 18-04-2016 to 18-07-2019) the total interest payable is Rs 7,14,05,250. The details of the same is enclosed as Annexure-7.1 of agenda note of this meeting.

7.3 APCPL further added that the same was already approved in the 37th Commercial Sub Committee meeting held on 31-08-2018, but no payment has been released in this regard till date.

7.4 MS, NRPC stated that NRPC Secretariat would settle the issue early.

ITEM-8 Energy accounting of Auxiliary & Housing colony consumption at Grid Substations of BBMB

8.1 BBMB stated that in compliance to CERC direction, BBMB generating Stations & transmission system have come under ABT mechanism w.e.f. 01.06.2016. A Meeting to discuss the modalities regarding scheduling,

metering & energy accounting of BBMB generating stations under ABT was held on 29.08.2016 at NRPC Secretariat, wherein it was decided that w.e.f 01.06.2016, there should not been any adjustment of auxiliary consumption of BBMB substations in actual drawal of States and Generation of BBMB Generating Station and NRPC suggested that BBMB could take up the matter with States concerned.

8.2 BBMB informed that that prior to 01/06/2016, energy consumption (Auxiliary & Housing Colony) at various BBMB Grid sub-stations was being considered as Project Consumption of BBMB. This energy was treated as common pool consumption of Bhakra complex and was subtracted from the Ex-Bus energy sent out/scheduled from Bhakra Complex power houses before working out energy shares of partner states of BBMB in the REA issued by NRPC. In view of small energy consumption of about 6-7 LU/month, BBMB requested for restoration of Pre-ABT methodology for auxiliary & housing colony energy consumption at its substations.

8.3 MS, NRPC enquired from BBMB whether in line with the decision taken in the meeting held on 29/8/16, whether any discussion took place with partner states. BBMB informed that no such meeting was conducted.

8.4 MS, NRPC advised BBMB to discuss the matter with their partner states first and based on the outcome of the same, matter may be brought in next CSC meeting, if required. BBMB agreed for the same.

ITEM-9 Regional Transmission Deviation Accounting for IGSTPS Jhajjar

9.1 SE (C), NRPC informed that as per CERC order in petition no. 126/MP/2017 dated 04th May, 2018 *"IGSTPS is connected to both CTU network (Jhajjar-Mundka Line) and STU network (Jhajjar-Daulatabad line) and its scheduling is being carried out by NRLDC, the ISTS charges and losses shall not be applicable for evacuation of the share of power of Haryana Utilities through 400 kV D/C IGSPTS-Daulatabad Transmission Line."*

9.2 Accordingly, Regional Transmission Account (RTA) is being prepared and no transmission charges are levied against LTA of 693MW (46.2% of 1500) of Haryana from IGSTPS-Jhajjar and NLDC has also been submitting approved access of IGSTPS-Jhajjar data after deducting share of Haryana.

9.3 SE(C) informed that as Regional Transmission Deviation Account (RTDA) is prepared based on the actual drawl, this would result in higher RTDA charges since approved access of Jhajjar is taken as installed capacity minus Haryana share and actual injection from IGSTPS Jhajjar includes drawal by Haryana also.

9.4 MS, NRPC opined that RTDA may be prepared considering the ISTS drawl from Jhajjar-Mundka line only i.e. the drawl on Jhajjar-Mundka line may be considered as injection from the IGSTPS-Jhajjar for calculation of RTDA. However, this may lead to RTDA charges being levied on the generator in case Jhajjar-Daulatabad line is not under operation and the entire generation of Jhajjar is being evacuated through Jhajjar-Mundka line; and Haryana would have to bear transmission charges in such a scenario as per CERC.

9.5 NLDC stated that the order of CERC in Petition No. 291/MP/2015 dated 30.03.2017 on similar case may be referred for more details. CSC decided

Annexure-3.5

Appendix-V
Contd

Agenda- 139th Power Sub-Committee Meeting.

Agenda- Energy accounting of Auxiliary & Housing colony consumption at Grid Substations of BBMB.

BBMB Transmission system comprises of 400/220/66 KV substations in the state of Punjab, Haryana, UT Chandigarh & Delhi as per the details attached as **Annexure-I.**

In compliance to CERC direction, BBMB generating Stations & transmission system have come under ABT mechanism w.e.f 01.06.2016. To discuss the modalities regarding scheduling, metering & energy accounting of BBMB generating stations under ABT, a meeting was held on 29.08.2016 at NRPC Secretariat, wherein it was decided that w.e.f 1.06.2016, there should not be any adjustment of auxiliary consumption of BBMB substations in actual drawal of States and Generation of BBMB Generating Station. NRPC suggested that BBMB could take up the matter with States concerned. **(Annexure-II – Para-9).**

I. **Energy Accounting of Auxiliary & Housing colony consumption at Grid Substations of BBMB prior to implementation of ABT in BBMB ie. Upto 31.05.2016 was as under:**

BBMB is supplying electricity to colonies located at its sub-stations. This consumption is, however, met from respective State Discoms where the substation is located. In order to account for this energy as BBMB consumption, due credit for the energy consumed at various substations was given to the respective constituents in their metered drawl by NRLDC/NRPC in the Regional Energy Accounts. This energy was treated as common pool consumption of Bhakra complex and was subtracted from the Ex-Bus energy sent out/scheduled from Bhakra Complex power houses before working out energy shares of partner states of BBMB in the Regional Energy Accounts (REAs) issued by NRPC. The above Energy accounting procedure was being done as per the decision taken in 120th Commercial Sub-Committee meeting of erstwhile NREB held on 22.11.2005 (MOM enclosed as **Annexure-III**).

II. **Energy Accounting Mechanism after the implementation of ABT in BBMB i.e.w.e.f 1.06.2016:**

In view of the decision taken in the meeting held at NRPC Secretariat on dated 29.08.2016 **(refer Annexure-II)**, the above energy accounting procedure (adjustment in the metered drawl of states and Bhakra Generation) has been discontinued w.e.f 1.06.2016. Since then credit of the energy consumed at BBMB grid substations is not being given to concerned power utilities by NRPC.

III. **Implications/difficulties being faced in view of the decision taken in the meeting held on 29.08.2016:**

i) If BBMB takes separate electricity supply connection to meet the requirement of auxiliary consumption/colony supplies at its Sub-stations (about 16 locations) from the respective State DISCOMs, this consumption will be accounted for in the drawl of respective constituents States and not for as BBMB consumption (Project supply). As Such, BBMB can not supply electricity to its Housing colonies located at its respective substations without distribution licence as per the provision of Electricity Act 2003.

ii) It involves other complications (segregation of load etc.) & financial transactions.

Further, State Discoms have started raising energy bills on account of auxiliary/colony consumption at some of the BBMB substations.

IV. In view of the above constraints/difficulties and fact that this energy consumption is meagre (about 6-7 LU/month), matter was discussed as an agenda item in the 40th Commercial Sub-Committee meeting of NRPC held on 12.09.2019 at Delhi with the proposal to restore the earlier energy accounting procedure (i.e prior to implementation of ABT in BBMB) by adjusting in the metered drawl of respective States and generation of Bhakra Complex retrospectively.

After deliberation, it was decided that BBMB may first discuss the issue with its partner states. Thereafter, outcome of the same will be discussed in the next Commercial Sub-committee meeting of NRPC.

It is worth mentioning that energy consumption at the BBMB Power House colonies is also being accounted for by adjusting the metered drawl of States from the grid and generation of respective power houses.

V. Proposal:

In view of the above, it is proposed as under:

a) To avoid complexity, earlier energy accounting procedure (i.e before the implementation of ABT in BBMB) of aux. Consumption/Colony supplies at various Grid Substations of BBMB by adjusting in the metered drawl of respective States and generation of Bhakra Complex as approved in the 120th Commercial Sub-Committee meeting of erstwhile NREB and explained in "Para I" above, may be restored.

b) BBMB will supply Substation wise aux. Consumption & Colony supply data as recorded on the conventional energy meters at the end of Financial year to NRPC. The average auxiliary consumption of last year shall be considered as common pool supply under IW consumption (which also includes the Colony supply consumption of Bhakra power House) of Bhakra and shall be subtracted from Ex-Bus generation schedule of Bhakra Complex before working out the share of partner states. Due credit of the same shall be given to respective constituent States in their metered drawl in the REAs as was being done earlier. Auxiliary/colony supply consumption at BBMB substations accumulated w.e.f 1.06.2016 upto 31.03.2019 shall be adjusted in the same manner.

Thereafter, above proposal will be put up in the next Commercial Sub-Committee meeting of NRPC for consideration.

Submitted for kind consideration and approval as per the proposal at **S.No. V**. above.

Appendix- V

भाखड़ा ब्यास प्रबन्ध बोर्ड
मध्य मार्ग, सैक्टर 19-बी, चंडीगढ़-160019
दूरभाष: 0172-5011761, फैक्स-0172-2549857
E-Mail: spsecy@bbmb.nic.in

प्रेषक

विशेष सचिव

सेवा में,

1. निदेशक/उत्पादन,
पंजाब स्टेट पावर कारपोरेशन लिमिटेड,
पटियाला -147001
2. निदेशक /तकनीकी,
पंजाब स्टेट ट्रांसमिशन कारपोरेशन लिमिटेड,
द मॉल, पटियाला। फैक्स-147001
3. निदेशक/तकनीकी,
हिमाचल प्रदेश राज्य विद्युत बोर्ड, विद्युत भवन,
शिमला-171 004
4. निदेशक/तकनीकी,
हरियाणा विद्युत प्रसारण निगम लिमेटेड,
शक्ति भवन, सैक्टर-6, पंचकुला-134109
5. निदेशक/तकनीकी,
राजस्थान राज्य विद्युत प्रसारण निगम लिमेटेड,
विद्युत भवन, ज्योति नगर, जनपथ, जयपुर -302005

क्रमांक: 38968-72 /बी-1684/पावर सब कमेटी/139वीं/1पी दिनांक: 03-12-2019

विषय: भाखड़ा ब्यास प्रबन्ध बोर्ड (विद्युत खण्ड) की विद्युत उप समिति (पावर सब कमेटी) की दिनांक 25.11.2019 को चण्डीगढ़ में हुई 139 वीं बैठक के कार्यवृत।

महोदय,

दिनांक 25.11.2019 को चण्डीगढ़ में हुई उक्त बैठक के कार्यवृत की एक प्रति अनुमोदनोंपरान्त सूचना एवं आवश्यक कार्रवाई हेतु भेजी जाती है जी ।

अनुलग्नक/यथोक्त

विशेष सचिव

पृष्ठांकन क्रमांक:38973-77/बी-1684/पावर सब कमेटी/139वीं/1पी दिनांक: 03-12-2019

उपरोक्त की प्रति निम्नलिखित को कार्यवृत की एक प्रति सहित प्रेषित है:-

1. मुख्य सतर्कता अधिकारी, भा.ब्या.प्र.बोर्ड, चण्डीगढ़ ।
2. मुख्य अभियन्ता/पारेषण प्रणाली, भा.ब्या.प्र.बोर्ड,चण्डीगढ़ ।
3. मुख्य अभियन्ता/उत्पादन, भा.ब्या.प्र.बोर्ड, नंगल ।
4. मुख्य अभियन्ता/प्रणाली परिचालन, भा.ब्या.प्र.बोर्ड,चण्डीगढ़ ।
5. अध्यक्ष महोदय के विशेष कार्य अधिकारी (तकनीकी), भा.ब्या.प्र.बोर्ड, चण्डीगढ़ ।
6. सदस्य विद्युत के निजी सचिव, भा.ब्या.प्र.बोर्ड, चण्डीगढ़ ।
7. विशेष सचिव के निजी सहायक, भा.ब्या.प्र.बोर्ड, चण्डीगढ़ ।

अनुलग्नक/यथोक्त

विशेष सचिव

MINUTES OF 139h MEETING OF THE POWER SUB COMMITTEE HELD ON 25.11.2019 AT CHANDIGARH.

The following were present:-

1. Er.Harminder Singh, Member/Power, BBMB
2. Er.H.S.Saluja, Engineer-in-Chief, Hydel Projects, PSPCL (Representing Director/PSPCL)
3. Er.Sunil Sethi, CE/SO & Comml. HVPNL (Representing Director/HVPNL)

(Director/Technical, HPSEBL could not attend the meeting. However, comments were received vide letter No:HPSEBL/CE(SO)/IS-23A(Vol-VI)/2019-1520 dated 22.11.2019.

(Director/Technical, RRVPNL could not attend the meeting. However, comments were received vide letter No:RVPN/ISP/F/D-235 dated 18.11.2019.

The above letters were tabled in the meeting.

Other Officers

1. Er.Rajesh Gupta, Chief Engineer/TS, BBMB
2. Er.Balbir Singh, Chief Engineer/Generation, BBMB
3. Er.S.S.Bhumra, Chief Engineer/SO, BBMB
4. Er.R.K.Sharma, Director/PR,BBMB
5. Er.Ravi Sher Singh, SE/STU, HPVNL
6. Er. Ruchi Sharma, Joint Secretary/Power & General, BBMB
7. Er.R.K.Thaman, Joint Secretary to Member/Power, BBMB

Item I: Energy accounting of Auxiliary & Housing Colony consumption at Grid Substations of BBMB.

At the outset, Member/Power, BBMB welcomed all the members and their representatives attending the meeting. Further he read out the comments of HPSEBL and RVPNL as under:-

Comments of HPSEBL

"In this context, it is intimated that proposal of BBMB in respect of Item No.1 i.e. Energy accounting of Auxiliary & Housing colony consumption of Grid Substations of BBMB to be discussed in the 139th meeting of Power Sub Committee of BBMB, is agreeable to HPSEBL".

Comments of RVPN

"RVPN agree to the proposal as contained in the agenda subject to condition that all other partner States are also agree with the proposal".

After detailed deliberations, the proposal as contained in the Agenda was unanimously approved by the Committee.

(Er.Anil Gautam)
Special Secretary

Annexure-4.1

SJVN Outstanding as on 28.02.2020

Sr. No.	Name of Beneficiary	Principal Amount already due (> 45 days)	LPS Amount	Total Outstanding
1	2	3	4	5=3+4
	Hydro Projects (NJHPS & RHPS)			
1	Govt. of HP & a/c HPSEB (HP)	21.13	315.03	336.16
2	PDD J&K	418.96	49.61	468.57
3	PSPCL (Punjab)	10.2	1.27	11.47
4	UPPCL (UP)	337.63	162.36	499.99
5	UPCL (Uttaranchal)	21.81	7.38	29.19
6	Ajmer VVNL (Rajasthan)	3.47	1.19	4.66
7	Jaipur VVNL (Rajasthan)	2.94	0.21	3.15
8	Jodhpur VVNL (Rajasthan)	39.71	2.70	42.41
9	DTL(Arrears 2004-08) (Delhi)	0.27	14.10	14.37
	Total Hydro Projects (NJHPS & RHPS)	**856.12**	**553.85**	**1409.97**

Annexure-30.1

List of Defective/Faulty SEM meters in Northern Region as on 03.03.20

S.No	S.N. meter	Type	Feeder name	Issue	Date of intimation to CTU
1	NP-1071-B	S	132kV Hissar at Rajgarh-RVPNL	faulty	27.12.19
2	NP-1029-B	S	132kV Aux. B/C at Rajgarh-RVPNL	faulty	27.12.19
3	NP-8828-A	M	220kV Panipat(BBMB)-I at Chajpur-HVPN	faulty	09.04.19
4	NP-1578-A	M	220kV Jessore at Bairasiul HPS	faulty	15.01.20
5	NP-1577-A	C	220kV Jessore at Bairasiul HPS	faulty	15.01.20
6	NP-1578-A	M	220kV Jessore at Bairasiul HPS	faulty	04.01.20
7	NP-1577-A	M	220kV Jessore at Bairasiul HPS	faulty	04.01.20
8	NP-1407-A	M	220 kV Kunihar at Pinjore-HVPN	faulty	14.02.20
9	NR-3602-A	L	765 kV Kanpur-I at Aligarh-PG	npc conversion	06.01.20
10	NR-3605-A	L	765 kV Jhatikara-I at Aligarh-PG	npc conversion	06.01.20
11	NR-3595-A	L	765 kV Orai-I at Aligarh-PG	npc conversion	06.01.20
12	NR-3598-A	L	765 kV Orai-2 at Aligarh-PG	npc conversion	06.01.20
13	NP-9956-A	L	400 kV Mandaula-3 at Meerut-PG	Low CVT voltage	09.01.20
14	NP-7712-A	A	765 kV Gr Noida-WUPPTCL at Meerut-PG	Low CVT voltage	09.01.20
15	NP-9964-A	L	765KV Bhiwani (PG) at Meerut-PG	Low CVT voltage	09.01.20
16	NP-1603-A	M	33 kV Shanan at Paddhar-HPSEB	AMR troubleshooting and DCD not available	
17	NP-8264-A	M	220kV Panipat(BBMB)-II at Chajpur-HVPN	--do-	09.04.19
18	NP-1793-A	M	132kV Pilibhit at Khatima-UPCL	--do-	28.10.19
19	NP-8270-A	S	400kV Mainpuri(PG)-1 at Mainpuri-UPPCL	--do-	28.10.19
20	NP-8272-A	S	400kV Mainpuri(PG)-2 at Mainpuri-UPPCL	--do-	28.10.19
21	NP-	M	33 kV Shanan at Paddhar-	--do-	28.10.19

	1603-A		HPSEB		
22	NP-7776-A	M	400 kV Lucknow(PG)-1 at 400kV Unnao-UPPCL	--do-	
23	NR-3331-A	M	220 kV Drass at Alusteng	Time drift more than 12 hrs	26.02.20
24			220 KV Alugten at Drass	new meter installation	14.12.19
25			220 KV side of ICT-1 & ICT-2 at Jallandhar-PG	new meter installation for Busmatch check	11.12.19