



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/ 7000-43

No. NRPC/ CommI/210/CSC(39)/2019/

दिनांक: 04 जुलाई, 2019

Dated : 04th July, 2019

सेवा में,

To,

वाणिज्यिक उप-समिति के सदस्य
(संलग्न सूची के अनुसार)

Members of Commercial Sub-Committee

(As per list attached)

विषय: वाणिज्यिक उप-समिति की 39 वीं बैठक का कार्यवृत्त ।

Subject: 39th meeting of Commercial Sub-Committee – Minutes.

महोदय ,

Sir,

उत्तर क्षेत्रीय विद्युत समिति वाणिज्यिक की उप-समिति की 39वीं बैठक दिनांक 21 मई, 2019 को उ.क्षे.वि.स., नई दिल्ली में आयोजित की गई थी । इस बैठक का कार्यवृत्त उत्तरी क्षेत्रीय विद्युत समिति की वेबसाइट पर उपलब्ध है । इसे आप डाउनलोड कर सकते हैं ।

39th Commercial Sub-Committee meeting of NRPC was held on 21st May, 2019 at NRPC, New Delhi. A copy of minutes of the meeting is available on NRPC website. The same may kindly be downloaded.

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 Krete Energy Pvt Ltd. (Member Trader)

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MINUTES

OF

39th MEETING OF COMMERCIAL SUB-COMMITTEE OF NRPC

The 39th meeting of Commercial Sub-Committee of NRPC was held at NRPC, New Delhi on 21st May 2019 under the chairmanship of Member Secretary, NRPC. The list of participants is enclosed at **Annexure-I**. Member Secretary, NRPC welcomed the participants of 39th Commercial Sub-Committee meeting. He stated that several important issues viz. long outstanding dues of various utilities, metering and AMR related issues, calculation of part load compensation due to SCED would be discussed and expressed hope that the sub-committee would be able to address all these issues. With these remarks, he requested Superintending Engineer(C), NRPC to take up the agenda for deliberation.

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

- 1.1 SE(C) informed that 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. No comments were received from any constituent on these minutes.
- 1.2 Members approved the minutes of 38th CSC meeting without any changes.

ITEM-2 Recent CERC Orders/draft Regulations

- 2.1 Representative of NRPC gave a presentation on the draft 5th amendment of Deviation Settlement Mechanism issued by CERC on 18th April 2019 (Annexure-II). The Sub-Committee was of the view that most of the issues being faced by the utilities due to DSM 4th amendment, have been addressed to a larger extent but the matter of concern was implementation of Regulation from a prospective date.
- 2.2 It was informed that a public hearing for the same is scheduled on 22.05.2019 at CERC Court Room at 10.30 am. All utilities were requested to attend the same.
- 2.3 Representative of NRLDC highlighted the salient features of the Central Electricity Regulatory Commission (Fees and Charges of Regional Load Despatch Centre and other related matters) Regulations, 2019 issued on 05th April 2019.
- 2.4 The sub committee appreciated the presentations made by NRPC Sectt and

NRLDC.

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

- 3.1 The details of outstanding dues of various utilities were attached in the agenda note of the meeting.

Utility	Beneficiary	Remarks
THDC	BRPL, Delhi	Representative of BRPL stated that they have been making regular payments and lot of dues have been cleared over the past year. It was informed that there are issues regarding reconciliation of LPS despite regular correspondence. The sub committee urged BRPL to clear at least those dues which is not under dispute.
	BYPL, Delhi	Representative of BYPL stated that subject to tariff order approval by DERC, they will submit payment plan by the end of June 2019. MS, NRPC asked BYPL to de link the payment plan with order of DERC and submit the same by June 2019. BYPL agreed for the same.
	PDD, J&K	Representative of PDD J&K was not present in the meeting
	UPPCL, UP	Representative of THDC stated that only Rs 55 crore were received from UP against Rs 175 crore per month commitment given by UPPCL in the last TCC/NRPC meeting.
	PSPCL, Punjab	Representative of PSPCL stated that they have already released the LPS payment in March 2017. The committee urged THDC and PSPCL to reconcile with the help of bill wise payment details.
	JdVVNL, Rajasthan	Representative of Rajasthan stated that they are facing shortage of fund availability. He informed that they would make efforts to clear the outstanding dues of more than 45 days by June 2019.
	AVVNL, Rajasthan	
SJVNL	Govt. of HP/HPSEB	Representative of HP stated that there is no outstanding of current dues. With regard to LPS, he informed that talks for waiver of the same are being held at MD level.
	PDD, J&K	Representative of PDD J&K and UPPCL were not present in the meeting
	UPPCL, UP	
	AVVNL	Representative of Rajasthan stated that there is delay in subsidy from UDAY scheme, which is why they are facing fund shortage.
	JDVVNL	
PGCIL	PDD-J&K	Representative of PGCIL informed that payment has been received from PSPCL, Punjab. He urged RRVN to clear outstanding dues of Rs 1.19 crore for bilateral assets from April 2018 to April 2019 at the earliest. Representative of Rajasthan agreed for the same.
	UPPCL (UP)	
	HPPC (Haryana)	
	PSPCL (Punjab)	
	UPCL(Uttarakhand)	
	JVVNL	
	JDVVNL	
	AVVN	
	BYPL	
	MB Power	

	RRVNL	
NHPC	PDD, J&K	Representative of PDD J&K and UPPCL were not present in the meeting. Representative of NHPC stated that LPS bills are not being verified by UPPCL.
	UPPCL, UP	
	PSPCL, Punjab	It was informed that payment has been received from PSPCL
	JdVVNL, (Hydro Power)	Representative of NHPC urged Rajasthan to clear the long outstanding dues for wind power at the earliest.
	JdVVNL (Wind Power)	
PPCL	PSPCL	Representative of PPCL urged PSPCL to clear their outstanding surcharge so that they can claim rebate while making payments in the future. Representative of PSPCL informed that the bills were being verified and payment would be released soon

3.2 The sub-committee urged all defaulting utilities to clear their dues at the earliest.

ITEM-4 Opening of Letter of Credit (LC)

4.1 The details of beneficiaries who are yet to open LC were attached in the agenda note of the meeting

Utility/Account	Beneficiary	Remarks
SJVNL	PDD, J&K	Representative of PDD J&K were not present in the meeting. Representative of SJVNL informed that the LC of GoHP share (Rs 1.55 cr fo RHPS and Rs 3.69 cr for NJPS) is pending. All utilities were requested to open LC of requisite amount.
	HPSEBL	
	BRPL, Delhi	
	BYPL, Delhi	
NHPC	BRPL, Delhi	Representative of NHPC informed that BRPL is yet to open LC since 2014.
	PDD, J&K	
POWERGRID	BRPL	Representative of BYPL informed that there were issues with opening of LC since their credit rating is very poor. However, they are approaching banks for the same.
	BYPL	
	PDD-J&K	
PPCL	PSPCL	Representative of PSPCL informed that they have already verified the amount and the matter is pending with finance department.

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 Representative of HPSEBL informed that the total capital cost (equity) recovery made by PGCIL for both central sector and state sector portion of the ULDC scheme w.e.f. 2002-03 to 2008-09 was Rs 73.1625 crore.

However, as per clause (39) of CERC (Term and Conditions of Tariff) Regulations, 2009 dated 19.01.2009, the deferred tax liability bills of this scheme, for the period up to 31st March, 2009 recovered from states of NR is Rs 76.1637 crore which seems erroneous.

- 5.2 The matter had been discussed in the 38th Commercial Sub-Committee meeting of NRPC held on 14-12-2018 at New Delhi wherein POWERGRID was asked to submit the details of billing as desired by HPSEBL by 3rd - 4th week of January, following which they can hold a bilateral meeting. However, no response on this account has been received from PGCIL till date.
- 5.3 Representative of PGCIL stated that billing of deferred tax is handled by their finance department. The case has already been submitted to them and finance department has stated that the information would be provided by 15th June 2019.
- 5.4 Representative of BRPL stated that they are also facing the same issue.
- 5.5 MS, NRPC urged PGCIL to submit the requisite data to HPSEBL by 15th June 2019 and also provide details of nodal officers dealing with the issue. In case the issue is still unresolved, a separate meeting can be called for the same.

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

- 6.1 SE(C), NRPC informed that NTPC had raised the issue regarding procedure for Certification of Open Cycle Generation of Gas based Generating Stations of NR finalized in the 35th CSC stating that the same did not cover certification of open cycle when GTs are operated in open cycle under RRAS. The issue was referred to NPC which has referred the matter back to RPCs for their views on the matter.
- 6.2 Representative of NTPC stated that CERC (Ancillary Services Operations) Regulations, 2015 fixed and variable charges allowed by the Commission and as applicable at the time of delivery of RRAS shall be used to calculate the payment for RRAS services.
- 6.3 Moreover, CERC (Terms and Conditions of Tariff) Regulations provide separate SHR and AEC values for Gas based Generating stations when operating in open cycle mode. Regulation 43(2)(b) also states that
“Provided that energy charge rate for a gas or liquid fuel-based station shall be adjusted for open cycle operation based on certification of Member Secretary of respective Regional Power Committee during the month.”
- 6.4 Hence, the variable charge of gas based generating stations would be different when operating under open cycle mode and closed cycle mode under RRAS. Mechanism of certification open cycle operation under RRAS and its commercial settlement may be deliberated.
- 6.5 Representative of NRPC Sectt informed that the issue of open cycle operation

of gas plants under RRAS was highlighted before the commission while framing the CERC (Ancillary Services Operations) Regulations, 2015 by CEA and NTPC. The same has been addressed by the Commission in 11.2(ii) of the SOR of the regulations, wherein it has been stated that the mark-up will account for the revised costs due to open cycle operation.

“CEA has brought attention to the issue of open-cycle operation of gas plants that may be required if they participate in RRAS. Accordingly, variable flow of gas will be necessary, and warrant modification for current dispensation by the Petroleum & Natural Gas Regulatory Board (PNGRB). Secondly, both CEA and NTPC have underscored that gas plants, if operated under open cycle mode, will need to be compensated accordingly. The Commission clarifies that gas plants preferably with dual fuel capability could provide RRAS, and if required, the Commission may give statutory advice to the Government on change of dispensation procedures (related to alteration of gas flows). The mark-up will account for revised costs due to open cycle operation”.

6.6 Member Secretary opined that Regulations should be read with their SORs for complete understanding. The opinion of other RPCs can also be taken on this aspect.

6.7 Representative of NTPC stated that while deciding markup price for RRAS services, CERC in its order in petition no. 01/SM/2016 (Suo-Motu) dated 29th February 2016 has stated that (5.1)

“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.”

Therefore, mark-up is not meant for taking care of open cycle operations during RRAS.

6.8 The sub-committee decided that the matter may be deliberated again in the next CSC meeting before taking a final view in the matter.

ITEM-7 Calculation of part load compensation due to SCED

7.1 SE(C), NRPC informed that 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.

7.2 Representative of NRPC highlighted that compensation payable to Generating stations may increase on account of down regulation due to SCED. The procedure should be such that any additional compensation payable to Generators for down regulation due to SCED should not be borne by states but paid from the SCED pool.

7.3 Since a virtual entity has already been created for scheduling SCED, this virtual entity may also be treated as a beneficiary of the plant having zero (0)

entitlement. Hence, down regulation due to SCED may be taken as un-requisitioned energy below 85% of its entitlement for calculating compensation as per DOP on Reserve Shutdown and Compensation Mechanism issued by CERC on 05th May 2017.

- 7.4 The definition of Effective Generation of the Station for calculating average unit loading (AUL) and compensation payable may be calculated as the actual generation ex-bus of the designated station or the Schedule generation excluding the schedule under RRAS and bilateral sale/collective sale under open access but including schedule under SCED during the calculation period whichever is higher.

- 7.5 The compensation amongst beneficiaries, including Virtual Entity (SCED), may be shared in the ratio of un-requisitioned energy below 85% of their entitlement i.e. compensation payable by kth beneficiary for the calculation period ending nth month

$$\text{Comp (k)} = \text{Comp} * \text{UE}_{kn} / \sum_k \text{UE}_{kn}$$

Where UE_{kn} is un-requisitioned energy of kth beneficiary below 85% of its entitlement during the calculation period ending nth month.

- 7.6 Illustration:

Consider Station S (200 MW) with 2 beneficiaries A and B

Beneficiary A = Entitlement 100 MW, Schedule 80 MW

Beneficiary B= Entitlement 100 MW, Schedule 70 MW

Virtual Entity SCED= Entitlement 0 MW, Schedule -20 MW

AUL of station = $(80+70-20)/200 = 65\%$

If compensation payable to generating station = Rs Y

Compensation payable by A = $Y * 5/(5+15+20)$

Compensation payable by B = $Y * 15/(5+15+20)$

Compensation payable by SCED = $Y * 20/(5+15+20)$

- 7.7 Representative of NRLDC stated that the procedure highlighted seemed logical and they would discuss internally and give suggestions, if any.

- 7.8 The sub committee agreed with the suggested procedure for calculation of part load compensation due to SCED.

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

- 8.1 Representative of NHPC has informed that during 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, details of which are given at Annexure 8.1 which was leading to audit objections.

- 8.2 Representative of NRPC informed that this mismatch was due to rounding off errors. Block wise schedule given in DSM accounts is the total generation schedule of the station whereas schedule provided in REA is the beneficiary wise schedule which when rounded off may not match with the generating schedule of the station. However, the quantum of mismatch is very small.
- 8.3 Member Secretary opined that since the quantum of mismatch is very small, it would not be justifiable to change the scheduling/accounting philosophy for that. The Sub-Committee opined that the mismatch could be both positive and negative directions and hence, it may be ignored.

ITEM-9 **Status of DSM Charges:**

- 9.1 Representative of NRLDC gave the updated status of outstanding dues considering week no 04 (due date of which is 19th May 2019).

All Fig in Rs. Lakhs

S. No.	Constituents	DSM Charges Payable / Receivable	Remarks
1	JAMMU AND KASHMIR	7453.48	Outstanding includes the amount i.e .outstanding more than 90days
2	PUNJAB	4213.60	
3	UTTARAKHAND	770.51	
4	POWERGRID-NR	334.25	Outstanding includes the amount i.e. outstanding more than 90days
5	HARYANA	259.40	
6	HIMACHAL PRADESH	43.57	
7	GREENKO BUDHIL	33.49	

- 9.2 It was pointed out that 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.
- 9.3 However, payments on account of Deviation charges needs to be settled in line with prevailing CERC Regulation as per the DSM account issued by RPCs till amendments, if any, is notified by CERC or any order from the High Court.
- 9.4 All payable utilities were requested to clear their outstanding at the earliest so that, receivable parties can be paid and to avoid further increase of Delay Payment Interest.

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

- 10.1 Representative of NRLDC updated the status of defaulting entities regarding

the opening of LC and the amount for which the LC is to be opened.

Sl. No	Name of NR Pool members	LC Amount (Rs. in Lakh.)	Status	No of defaults in Deviation Payment
				FY 2018-19
1	PUNJAB	272.2	LC of Rs. 229 Lakhs has opened for the period of 20-07-18 & valid up to 19-07-19.	27
2	UT CHANDIGARH	117.76	LC of Rs. 509 Lakhs opened for the period up to 31.03.20.	9
3	UTTAR PRADESH	768.05	LC not opened	24
4	UTTARAKHAND	204.98	LC not opened	10
5	HIMACHAL PRADESH	395.72	LC not opened	1
6	PDD, J&K	404.26	LC not opened	34
7	EPPL	1.39	LC not opened	10
8	GREENKO BUDHIL	17.19	LC not opened	4
9	PGCIL	19.94	LC not opened	15
10	RAJASTHAN	619.25	LC not opened	4
11	NFL	1.28	LC not opened	4
12	NEPAL	29.53	LC not opened	2

10.2 Representative of HPSEBL informed that Himachal Pradesh SLDC is making DSM payments now and LC should be opened by them.

10.3 The sub-committee requested all above-mentioned entities to open the LC of the required amount within a fortnight in accordance with CERC Regulations.

ITEM-11 Reactive Energy charges status

11.1 The sub-committee requested all payable constituents 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 Representative of NRLDC informed that the states of Haryana, Delhi and HP had raised the issue of Delay Payment interest for congestion charges. The issue was deliberated in 41st TCC/44th NRPC Meeting held on 18th/19th March 2019 at Udaipur wherein it was agreed in principle to waive off the delay payment interest charges for the above utilities. The minutes of meeting are to be issued.

12.2 Representative of NRPC informed that revised interest statement of Congestion charge would be issued soon in line with the decision taken in the 41st TCC/44th NRPC meeting.

12.3 Entities were urged to clear all other charges at the earliest.

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

- 13.1 Representative of NRLDC informed that reconciliation statement of Deviation Charges and Reactive Energy Charges has been forwarded to entities and uploaded on website by NRLDC on 09.04.2019.
- 13.2 However, deviation charges signed reconciliation for quarter -4 of financial year 2018-19 has been received from only 3 entities (ADHPL, NTPC, and THDC) out of 26 entities
- 13.3 Similarly, RRAS & AGC Charges signed reconciliation for quarter -4 of financial year 2018-19 has been received from NTPC Only. FRAS charges signed reconciliation for quarter -4 of financial year 2018-19 has not been received from any constituents.
- 13.4 Reactive Energy charges signed reconciliation for quarter -4 of financial year 2018-19 has been received from Rajasthan only.
- 13.5 The sub-committee urged all utilities to send the signed reconciled statement within a week from the date of CSM. In case of non-receipt of any communication it would be presumed that the details provided in the reconciliation statement stands reconciled.

ITEM-14 Status of AGC & Ancillary Services:

- 14.1 Representative of NRLDC informed that ancillary services i.e, RRAS, AGC & FRAS have been settled up to Week 04- of financial year 2019-20. There is no outstanding against payment of Ancillary Services.
- 14.2 The sub-committee noted the information

ITEM-15 NRLDC Fee & Charges:

- 15.1 Representative of NRLDC gave details of outstanding pending against NRLDC Fee and Charges with various utilities.
- 15.2 He informed that UPPCL is paying monthly payment within 30 day. However, payment of PLI 2017-18 (Provisional) bills is yet to be received. UPPCL vide letter no 1236 dated 11.04.2019 informed that provisional bill of PLI 2017-18 will not be possible to verify till CERC issues the order.
- 15.3 He informed that NRLDC has issued the bill for PLI (provisional) 2017-18 in line with the Regulation 29 (6) of CERC Regulation 2015 dated 18.05.2019.

“The RLDCs or NLDC, as the case may be, shall compute the Key Performance Indicators on annual basis for the previous year ending on 31st March and submit to the Commission along with petitions for approval of the Commission as per Appendix V and Appendix VI of these Regulations:

Provided that the key performance indicators of previous year ending on 31st March shall be considered to recover incentive on each year and shall be trued up at the end of the control period.”

- 15.4 NRLDC has considered the Key Performance indicators (KPI) of financial year 2016-17 (as per CERC order dated 09.10.2018) for the provisional PLI bill of PLI 2017-18. PLI bill for financial year 2017-18 shall be trued up at the end of the control period.
- 15.5 Further, all user except UPPCL and Sorang HEP have cleared the outstanding against PLI bill of 2017-18 (Provisional).
- 15.6 The sub-committee advised UPPCL to settle the payment against the PLI bill of 2017-18. Sorang HEP and PDD J&K were also asked to clear outstanding at the earliest to avoid further surcharge

ITEM-16 Reconciliation of NRLDC Fee and charges:

- 16.1 Representative of NRLDC informed that the reconciliation statements of NRLDC Fee and Charges for the quarter -IV, 2018-19 has been sent 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. However, reconciliation from Bairasul HEP, ADHPL, Koteswar HEP, UP seller (Anpara-C), NTPC (All Station), and HP Seller (Nanti Small HEP) only have been received.
- 16.2 Other entities were requested to verify the Reconciliation statements and send the duly signed copy to NRLDC. In case of non-receipt of any communication within one week from commercial sub-committee meeting, it will be presumed that the details provided in the statement stands reconciled

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

- 17.1 Representative of NRLDC requested all entities to verify the Reconciliation statements and send the duly signed copy as a normal practice. In case of non-receipt of any communication within one week from commercial subcommittee meeting, it will be presumed that the details provided in the statement stands reconciled.

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

- 18.1 Representative of NRLDC intimated that 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 outstanding interest amount (computed till 30.04.2019) was shared in the meeting.

18.2 Members noted the information.

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

- 19.1 Representative of NRLDC stated that a meeting for facilitation of evacuation of Power from Solar Power Park at Bhadla(ISTS) was called by Chief Engineer, CEA on 12.04.19. Till completion of planned 765kV D/C Bhadla(PG)- Bikaner(PG), evacuation is being done through 400kV S/s (RVPN) through Bhadla (PG)-Bhadla(RVPN) 400kV D/C Line.
- 19.2 Rajasthan SLDC has mentioned at present only up to 250MW ISTS solar generation can be injected at Bhadla 400kV S/s (RVPN) through Bhadla (PG)Bhadla(RVPN) 400kV D/C Line.
- 19.3 However, already 300MW is connected to the grid and another 150 MW is likely to be commissioned shortly. Therefore, CTU was requested to specify the maximum MW quantum each Renewable/Solar Generator can inject at Bhadla to avoid any dispute/ prorata curtailment etc.
- 19.4 Representative of CTU informed that, the line 765kV D/C Bhadla(PG)- Bikaner(PG) would be commissioned by end of July-2019.

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

- 20.1 Representative of NRLDC requested payable utilities to intimate the details of payment being made by them in the format given in the agenda.
- 20.2 All the entities are advised to intimate payment details to NRLDC.

ITEM-21 STATUS of AMR as on 07.05.2019

- 21.1 Representative of NRLDC informed that as on date AMR has been commissioned for 1504 meters out of total 1825 meters in Northern Region. Out of these, NRLDC is receiving data from approx. 1250 meters data out of 1504 meters through AMR on regular basis from last 04 weeks.
- 21.2 POWERGRID was urged to take up the matter with M/s Kalkitech for ensuring 100 % availability of SEM data through AMR from all sites where AMR has been commissioned to NRLDC by every Tuesday.
- 21.3 Further, POWERGRID was urged to ensure commissioning AMR of balance meters.

ITEM-22 Integration of AMR System with Elster Meters:

- 22.1 Representative of POWERGRID informed that they have engaged another party for integration of AMR system with elster meter.
- 22.2 The sub-committee urged POWERGRID to complete the same at the earliest.

ITEM-23 Status Regarding Procurement of DCD

- 23.1 Representative of NRLDC requested POWERGRID to provide the no's of DCDs and SEMs presently available in POWERGRID store, to assess the SEMs/DCDs future requirement in Northern Region.
- 23.2 POWERGRID has agreed to provide the details within 15 days.

ITEM-24 Information regarding change in CT/PT ratio

- 24.1 Representative of NRLDC requested all utilities 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 **nrlldcos@yahoo.com, nrlldcos@hotmail.com.**

ITEM-25 Ensuring Healthiness of Metering System

- 25.1 The sub-committee suggested that the matter may be taken up in OCC meeting as technical team representative will be present in the OCC meeting.

ITEM-26 AMR data through Fibre optic network

- 26.1 Representative of POWERGRID stated that 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 was requested to provide
- The present status and plan for the switching over of other station through OPGW link.
 - Costing estimates and schedule for transfer the data link from GPRS to fibre Optics.
 - List of stations, which has been provided the details of fibre optics cable length from DCU to the existing Optical fibre network.
- 26.3 NTPC suggested to convene a separate meeting to resolve the issues regarding AMR and related matters.

ITEM-27 Time drift Correction in SEMS:

- 27.1 The sub-committee requested all utilities to ensure the time correction of the SEMs in their respective premises and submit the report to NRLDC. POWERGRID was urged to ensure time drift correction through AMR system

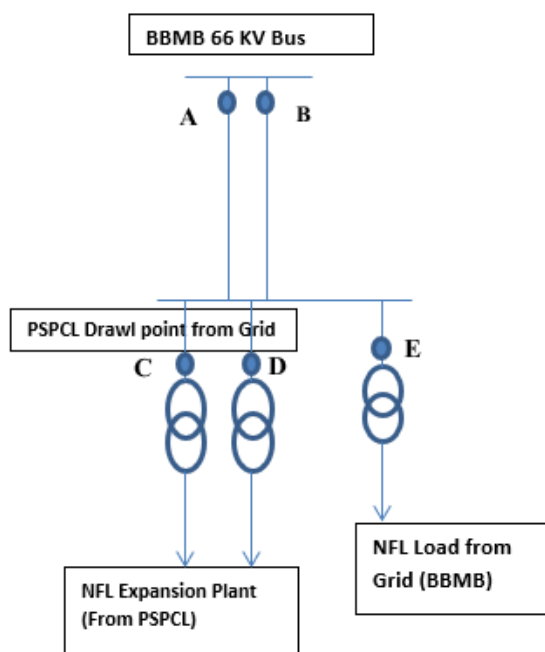
ITEM-28 Replacement/Rectification of SEM meters:

- 28.1 POWERGRID agreed to ensure replacement/rectification of faulty meters as

per details given by utilities/NRLDC within 15 days

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

29.1 PSPCL is advised to coordinate with CTU & NFL for installation of SEM meters at PSPCL drawl point “C” & “D” as shown in the single line diagram below.



- At location A & B, CTU SEM's are installed.
- At location C & D, SEM are to be installed by CTU in coordination of NFL, PSPCL/ Punjab Discoms and presently drawl is being computed by dividing cumulative day reading in 96 blocks equally.
- At location E, SEM is to be installed by CTU after installation of CT and CVT at the same location. It is requested to NFL please update the status of Installation.
- Earlier there was no provision for metering so, energy computation at location E, is calculated by (A+B-C-D)

ITEM-30 Nomination of nodal officer:

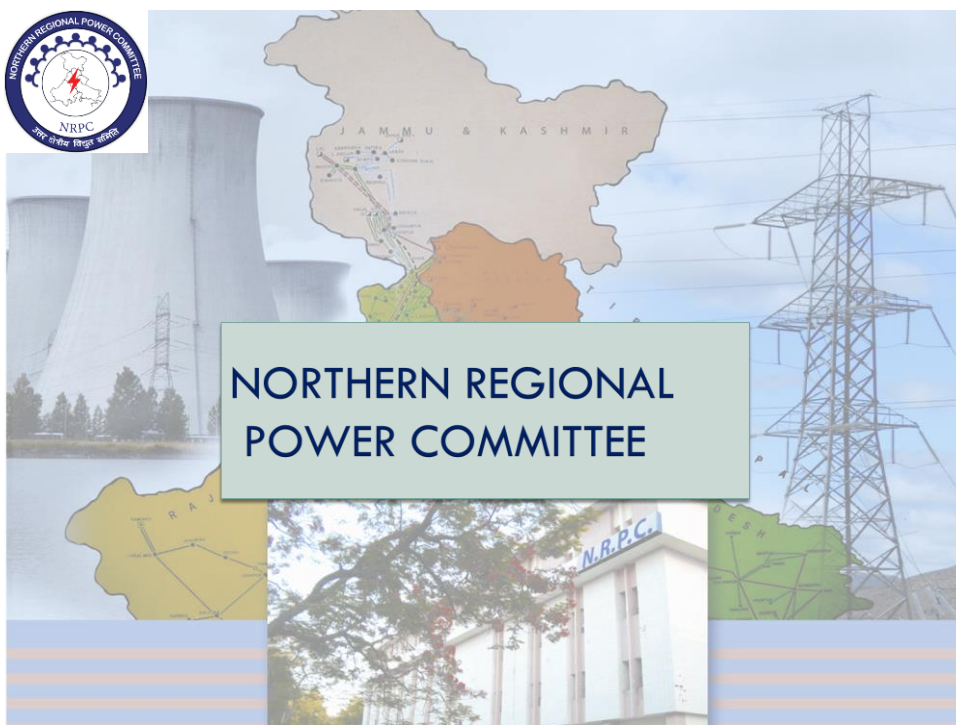
- 30.1 Representative of NRLDC informed that nodal officer details from BBMB, NHPC, NTPC, Rajasthan, Punjab, DTL and Pragati Power have been received. Details from other utilities is still pending.
- 30.2 The subcommittee again requested all members to kindly nominate one nodal officer for coordination 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.

List of Participants of 39th Commercial Subcommittee Meeting on 21.05.2019 at NRPC Sectt., New Delhi

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CERC DSM 5th Amendment (Draft)

- Issued on 18th April 2019
- To come into force with effect from the date of notification in the official gazette
- Major Changes:
 - ▣ Incorporation of clarifications issued by NLDC in principal regulations
 - ▣ Cap rate for Generators
 - ▣ Additional charge for OI/UD above freq ~~50.05~~ 50.1 Hz
 - ▣ **Additional Charge** for sustained deviation



CERC DSM 5th Amendment (Draft)

□ New Definitions

- “ **Daily Base DSM** ” means the sum of charges for deviations for all time blocks in a day payable or receivable as the case may be, excluding the additional charges under Regulation 7
- “ **Time Block DSM** ” means the charge for deviation for the specific time block in a day payable or receivable as the case may be, excluding the additional charges under Regulation 7



CERC DSM 5th Amendment (Draft)

- Following new sub-clauses added after sub-clause (d) in clause (2) of Regulation 5 of the Principal Regulations
 - The charges for **inter-regional deviation** and for deviation in respect of **crossborder** transactions shall be computed on the basis of the **unconstrained market clearing price** in Day Ahead Market.
 - The charges for deviation in respect of an **entity falling in different bid areas**, shall be computed on the basis of the daily average **ACP of the bid area** in which such entity has **largest proportion of its demand**. (Already being done for IW)



CERC DSM 5th Amendment (Draft)

- Clause (3) of Regulation 5
 - The **Cap rate** for the charges for deviation for the generating stations, **irrespective of the fuel type** and **whether the tariff** of such generating station is **regulated by the Commission or not**, shall not exceed **303.04 Paise/kWh**
- Clause 4 of regulation 7
 - **Additional Charge** for Deviation shall be applicable for **overinjection/under-drawal** of electricity for each time block by a buyer/seller as the case may be **when grid frequency is '50.10 Hz and above'** at the rates equivalent to charges of deviation corresponding to the grid frequency of 'below 50.01 Hz but not below 50.0 Hz', or cap rate for deviation of **303.04 Paise/kWh whichever is lower."**



Additional Charge Volume Limits

- The **following proviso** under Regulation 7(1) of the Principal Regulations shall be **deleted**:
 - ‘ Provided also that from a date not earlier than one year as may be notified by the Commission, the total deviation from schedule in energy terms during a day shall not be in excess of 3% of the total schedule for the drawee entities and 1% for the generators and additional charge of 20% of the daily base DSM payable / receivable shall be applicable in case of said violation.’



Sustained Deviation- Upto 31.03.20

- Up to 31.03.2020, if the sustained deviation from schedule continues for 12 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 +/- 10 MW with reference to its schedule, at least once, latest by 13th time block.
- Provided that each violation of the requirement under this clause shall attract an additional charge of 10% on the time block DSM payable / receivable as the case may be.



Sustained Deviation- Upto 31.03.20

- A regional entity having a sustained deviation from time blocks t1 to t12, should correct its position either by changing the sign of its deviation (from positive to negative or negative to positive as the case may be) or come back in the range of +/- 10 MW with reference to its schedule latest by the end of time block t13. In case, such sign change does not take place or it fails to come back in the range of +/- 10 MW by the end of time block t13, but such correction of position takes place from time block t14 up to time block t24, then the additional charge shall be levied equivalent to one violation. The above violation shall attract an additional charge at the rate of 10% of the time block DSM for t13. Further, in case, sign change does not take place or it fails to come back to the range as aforesaid even latest by the end of t25, but correction of position takes place from time block t26 up to time block t36, then the additional charge shall be levied equivalent to two violations. The above violation shall attract an additional charge at the rate of 10% of the time block DSM for t13 & t25, and so on.



Sustained Deviation- after 31.03.20

- From 01.04.2020, if the sustained deviation from schedule continues 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 ± 10 MW with reference to its schedule, at least once, latest by 7th time block.

No. of violations in a Day	Additional Charge Payable
1-5	For each violation, an additional charge @ 3% of daily base DSM payable / receivable
6-10	For each violation, an additional charge @ 5% of daily base DSM payable / receivable
11-15	For each violation, an additional charge @ 10% of daily base DSM payable / receivable



Sustained Deviation- Exemptions

- **renewable** energy generators which are regional entities
- **run of river** projects without pondage
- any **infirm injection** of power by a generating station prior to CoD of a unit during testing and commissioning activities, in accordance with the Connectivity Regulations
- any **drawal of power by a generating station** for the start-up activities of a unit
- any **inter-regional deviations**
- **forced outage of a generating station** in case of collective transactions on Power Exchanges



THANK
YOU.!!!