



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(36)/2018/ 8311-54  
No. NRPC/ CommI/210/CSC(36)/2018/

दिनांक: 18 जुलाई, 2018  
Dated : 18<sup>th</sup> July, 2018

सेवा में / To,

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


विषय: वाणिज्यिक उप-समिति की 36 वीं बैठक का कार्यवृत्त ।  
Subject: 36<sup>th</sup> meeting of Commercial Sub-Committee – Minutes.

महोदय ,  
Sir,

उत्तर क्षेत्रीय विद्युत समिति वाणिज्यिक की उप-समिति की 36 वीं बैठक दिनांक 11 जून, 2018 को उक्षेविस, नई दिल्ली में आयोजित की गई थी। इस बैठक के कार्यवृत्त की एक प्रति आपकी सूचना व आवश्यक कार्यवाही हेतु इस पत्र के साथ संलग्न है।

36<sup>th</sup> Commercial Sub-Committee meeting of NRPC was held on 11<sup>th</sup> June, 2018 at NRPC, New Delhi. A copy of the minutes of the meeting is enclosed herewith for favour of information and necessary action.

भवदीय  
Yours faithfully,

  
18/07/2018  
(Sovaran Singh)  
कार्यपालक अभियंता  
Executive Engineer

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## MINUTES

### FOR

#### **36<sup>th</sup> MEETING OF COMMERCIAL SUB-COMMITTEE OF NRPC**

The 36<sup>th</sup> meeting of Commercial Sub-Committee of NRPC was held at NRPC, New Delhi on 11<sup>th</sup> June 2018. The list of participants is enclosed as [Annexure-I](#). Member Secretary, NRPC welcomed the participants of 36<sup>th</sup> Commercial Sub-Committee meeting. While giving an outline of agenda, he stated that several important issues viz. Feedback on Compensation mechanism for part load operation, guideline for open cycle deemed generation certification, Double recovery of BBMB transmission charges etc. were to be discussed in the meeting. He requested the Members to submit agenda on any other important issues, which needs to be deliberated in 39<sup>th</sup> TCC & 42<sup>nd</sup> NRPC meeting, scheduled to be held on 27<sup>th</sup> & 28<sup>th</sup> June 2018. He requested the Members to make the conclusive deliberations, so that the outcome of this meeting can be put up before TCC & NRPC for concurrence. With these remarks, he requested Superintending Engineer(C), NRPC to take up the agenda for deliberation.

#### **ITEM-1 CONFIRMATION OF MINUTES OF 35<sup>th</sup> MEETING OF COMMERCIAL SUB COMMITTEE OF NRPC**

The minutes of 35<sup>th</sup> meeting of Commercial Sub-committee held on 19<sup>th</sup> February 2018 issued vide letter No. NRPC/Comml/210/CSC (35)/ 2018/ 4638-81 dated 24<sup>th</sup> April 2018, were confirmed by the Sub-Committee without any amendment.

#### **ITEM-2 Guidelines for Open Cycle Certification**

Representative of NTPC stated that Monthly Operating Pattern Adjustment (MOPA) for Open Cycle (OC) generation of Gas stations in Northern Region (NR) are being certified by NRPC. During 35<sup>th</sup> Commercial Sub-Committee (CSC) meeting (held on 19<sup>th</sup> Feb 2018), Guidelines/ Procedure for Certification of Open Cycle Operation of Combined Cycle Gas based Generating Stations was discussed and recorded in Minutes of Meeting (MoM).

He further stated that in the given procedure, the following two (02) cases/ conditions need to be covered and the same may also be included in the modified/ revised procedure for certification of Open Cycle generation:

- (1) during stopping of GT (i.e. the duration when GT is disconnected with ST and then stopped) (the same is being certified by WRPC)

## (2) Starting of GTs under RRAS

Member Secretary, NRPC requested NTPC and IPGCL/PPCL to submit the data regarding start of GT under RRAS. He further, stated that for the sake of uniformity in all regions the matter would be taken up in NPC by NRPC.

Replying to a query regarding practice of certification of open cycle operation during stopping of GTs SLDC, Delhi informed that presently they were not certifying such open cycle generation, however representative of IPGCL supported the NTPC claim during stopping of GTs.

Representative of TPDDL opined that the view of OEM may also be taken in the subject matter as per the time and system requirement as claimed by NTPC.

After deliberation, it was decided that the matter would be referred to NPC to ensure a uniform practice in all regions regarding open cycle certification of CCGT stations by different RPCs.

## **ITEM-3 Compensation w.r.t Partial Loading of Coal Based Stations**

SE(C), NRPC stated that, as per CERC (IEGC) (Fourth Amendment) Regulations, 2016 and detailed procedure for Compensation for Degradation of Heat Rate, Aux Compensation and Secondary Fuel Consumption, due to Part Load Operation and Multiple Start/Stop of Units, dated 05<sup>th</sup> May, 2017, compensation for Coal Based generating station was being calculated by NRPC Sectt.

As per para 5 of the order dated 05<sup>th</sup> May,2017,

*“5. The RPCs are directed to provide feedback, after consultation with the stakeholders, on the operation of the Compensation Mechanism within six months from the date of issue of this order for assessment of the efficacy of the Compensation Mechanism. It is clarified that review of the Compensation Mechanism will be undertaken only if it is considered necessary based on operational experience.”*

He further, stated that in compliance to above direction, feedback to CERC on compensation procedure has been sent. A copy of the same is enclosed as Annexure-3.1 of agenda.

The sub-committee was informed that as per sub-regulation 6.3 B 3 (i) of Central Electricity Regulatory Commission (Indian Electricity Grid Code) (Fourth Amendment) Regulations, 2016, in case of coal / lignite based generating stations, station heat rate degradation as per table given in these Regulations or actual heat rate, whichever is lower, is to be considered for the purpose of compensation. However, the procedure for compensation under these regulations does not specify any such condition. While calculating

compensation for Coal based generating stations NRPC Sectt. had not considered this condition. Keeping in view the practice being followed by WRPC Sectt., it has been decided that the condition given in sub-regulation 6.3 B 3 (i) would be applied in compensation calculation by NRPC Sectt. also. These calculations are subject to final decision of CERC in this regard.

NTPC representative stated that for compensation calculation the procedure should be followed without applying condition given in sub-regulation 6.3 B 3 (i). It was informed by NRPC Sectt. that this issue has already been conveyed to CERC for clarification in feedback sent by NRPC Sectt. on the compensation mechanism and compensation calculation will be as per sub-regulation 6.3 B3(i) till CERC amends this sub regulation.

#### ITEM-4 Revision in RRAS account

SE(C), NRPC stated that NRLDC vide their letters submitted revised data wrt RRAS account for the following weeks.

Week No.	RRAS account issued date
040917-100917(WK-24)	20-09-17
110917-170917(WK-25)	27-09-17
250917-011017(WK-27)	13-10-17
021017-081017(WK-28)	17-10-17
091017-151017(WK-29)	24-10-17
161017-221017(WK-30)	01-11-17
231017-291017(WK-31)	08-11-17
061117-121117(WK-33)	23-11-17
300418-060518(WK-06)	17-05-18

He further quoted the CERC (Ancillary Services Operations) Regulations, 2015, para 13.3 as below:

*“...Provided that, the 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 this service and no retrospective settlement of fixed or variable charges shall be undertaken even if the fixed or variable charges are revised at a later date”.*

He further stated that, above proposed revisions were because of change in schedule as intimated by NRLDC and there is no change in Variable and Fixed charge rates. Thus, these revisions are not contrary to CERC provisions.

Representative from TPDDL, UP, Rajasthan, Haryana and Punjab concurred with the deliberations.

Representative of NRLDC stated that for the purpose of disbursement revised

account should be prepared in line with the revision philosophy being followed in DSM accounts.

The sub-committee decided that revision in RRAS account due to change in schedules would be issued by NRPC Sectt. and payment would be settled by NRLDC, accordingly.

#### ITEM-5 Default in payment of outstanding dues and surcharge by beneficiaries

The updated status of outstanding dues as per deliberations in the meeting is given as under:

Utility	Beneficiary	Total Dues including Surcharge (in Rs Cr.)	Deliberations in the meeting / Updated status
NHPC	PDD, J&K	748.70	Representative from UPPCL and PDD J&K were not present in the meeting.
	UPPCL, UP	253.48	
	PSPCL, Punjab	99.08	Representative of PSPCL stated that they are coordinating with their finance department for early liquidation of dues.
	JdVVNL (Wind Power), Rajasthan	12.32	The updated status could not be ascertained as representative from JdVVNL was not present in the meeting.
SJVNL	BYPL	102.99	Representative of SJVNL stated that they had entered into an agreement with BYPL regarding the liquidation plan and issue was expected to be resolved.
	Govt. of HP & HPSEBL	346.91	Representative of HPSEBL stated that they were making current payment. It was also decided that a meeting will be held between HPSEBL, SJVN and representative of Govt. of HP regarding payment of dues for the HP Govt. power assigned to HPSEBL.
	J&K	54.03	Representative from UPPCL and PDD J&K were not present in the meeting.
	UPPCL	144.99	
THDCIL	BRPL, Delhi	267.97	It was decided that a meeting will be held between Delhi Discoms and THDC, in next week, to resolve the payment issue. THDC was advised to submit a report on the outcome of the meeting to NRPC Sectt.

	BYPL, Delhi	290.21	
	PDD, J&K	86.99	Representative from UPPCL and PDD J&K were not present in the meeting.
	UPPCL, Uttar Pradesh	807.45	
<b>PGCIL</b>	UPPCL	223.16	Representative from UPPCL was not present in the meeting.
	BYPL	26.39	Paid
	Haryana- HPPC	23.73	Representative from Haryana and PDD J&K were not present in the meeting.
	PDD, J&K	41.78	

Member Secretary (NRPC) stated that the payment related issues mentioned above are very serious in nature and recurring type in most of the meetings. He requested to all members to resolve these issues mutually and intimate to NRPC in due course.

The sub-committee expressed concern about non-representation of some utilities having substantial outstanding dues. The sub-committee advised NRPC Sectt. to take up the matter with higher management of these utilities specially UPPCL and PDD J&K.

The generating companies and PGCIL were advised to take up the matter, directly, with the higher management of the utilities, the representative of which were not present in the meeting and send updates to NRPC Sectt. so that matter may be taken up with them.

#### **ITEM-6 Opening of Letter of Credit (LC)**

SE(C), NRPC stated that as per PPA/CERC Regulations beneficiaries have to submit a confirmed, revolving, irrevocable Letter of Credit for an amount equivalent to 105% of average monthly billing of preceding 12 months with appropriate bank as mutually acceptable to parties. The LC has to be kept valid at all the time during the validity of the Power Purchase Agreement. This matter had been discussed regularly in various commercial sub-committee meeting as well as TCC and NRPC meetings but still there are several cases of defaults.

He emphasised that non-opening and non-maintaining LC of requisite amount is non-compliance of CERC regulations.

The detailed status as updated in the meeting are given below:



Utility/Account	Beneficiary	LC Amount (in Rs Cr.)	Remarks
<b>NHPC</b>	PDD, J&K	LC amount already intimated to the beneficiaries	Representatives from BRPL, Delhi and PDD J&K were not present in the meeting.
	BRPL, Delhi		
<b>SJVNL</b>	PDD, J&K		Representative from PDD J&K was not present in the meeting.
	HPSEBL		The representative of HPSEBL assured SJVNL to open the LC within week .
	BRPL, Delhi		Representatives from BRPL, Delhi was not present in the meeting.
	BYPL, Delhi		Citing financial constraints, representative of BYPL, Delhi stated that the process of opening requisite Letter of Credit would take 3 months more.
	JVVNL		Representatives from JVJNL and UPCL were not present in the meeting.
	UPCL		
<b>THDCIL</b>	BRPL, Delhi	7.34	Representative from PDD J&K was not present in the meeting
	PDD, J&K	13.50	
<b>POWERGRID</b>	JVVNL	53.74	Representatives from JVJNL was not present in the meeting
	BYPL, Delhi	51	Citing financial constraints, representative of BYPL, Delhi stated that the process of opening requisite Letter of Credit would take 3 months more.
	BRPL, Delhi	97	Representative from BRPL, Delhi and PDD J&K were not present in the meeting
	PDD, J&K		

The generating companies and PGCIL were advised to take up the matter, directly, with the higher management of the utilities, which representative were not present in the meeting and send updates to NRPC Sectt., so that matter may be taken up with them.

#### **ITEM-7 Delay in issuance of Availability Certificate**

POWERGRID representative stated that as per the minutes of 12<sup>th</sup> meeting of Commercial sub-committee dt. 08.06.2009, the timeline approved to streamline the process of certification of TAFM by member secretary was as under :

- 1) POWERGRID would send the Transmission System availability to NRLDC with copy to NRPC by 2nd of the month

- 2) NRLDC would put the data on its website on the same day and invite comments on the data from constituents with 10 days . In case of non-receipt of the comments by the time period ,it will be taken as no comments from the constituents,.
- 3) NRLDC would then verify the data taking into account the comments received from the constituents and furnish the same to MS(NRPC) by 18<sup>th</sup> day of the month.
- 4) MS( NRPC ) would certify the TAFM by 25<sup>th</sup> of the month.

He mentioned that these time lines were not being followed. He requested that all constituents / agencies associated with the availability certification process should follow the agreed timelines.

POWERGRID representative informed that other regions issue availability certificates much earlier than NR.

NRLDC representative informed that there were practical difficulties in following the timelines. He stated that since 2009 the number of transmission licences as well as number of elements has increased multi fold with the RLDC to verify the availability of elements. He mentioned that the timeline specified in the previously mentioned meeting for verification of outage is not sufficient. He further, requested to the forum to review the timeline specified in the procedure keeping in view the number of Transmission Elements and new Transmission Licensees.

It was also emphasised that the outage verification process by NRLDC takes more time as the requisite documents e.g. DR/EL reports and comment from other concerned utility is not received in time. The outage verification is very difficult for the elements where sub-station is of different agency than the transmission line, if the DR/EL report and comment from sub-station is not received. All the utilities were requested to facilitate in completing the process timely, by giving required information at the earliest once the outage details are uploaded on NRLDC web site. It was also clarified that providing DR/EL report for tripping of elements within 24 hours of tripping is mandatory as per regulatory provisions.

The sub-committee advised all the transmission & generating utilities to provide information of tripping/outages along with reasons and supportive documents as per regulatory provisions, to NRLDC, so that the outage verification process can be expedited.

NRPC Sectt. representative informed that even after getting outages verified from NRLDC, many times, several documents are required to decide the responsibility for outage and calculation of availability. The delay in supplying requisite information is also one of the reasons of delay is certification. He requested that transmission licensees should provide all the information.

It was decided that reason for outages would be analysed on day to day basis to avoid delay in verification by NRLDC. It was also decided that availability certificate for different licenses may be issued separately, based on information received. All the utilities were advised to provide requisite information regarding outages within 24 hours to NRLDC, so that outages can be analysed on day to day basis and time in outage verification may be requested.

Member Secretary, NRPC stated that to bring the uniformity amongst all the RPCs the matter would be taken up in NPC. Members agreed for the same.

**ITEM-8 Request for amendment in Account for Interest on Late Payment of Congestion Charges for FY 2017-18 issued by NRPC on 12.04.2018**

Representative of THDCIL stated that NRPC vide its letter no. 7975-8009 dated 14.07.2017 had issued Revision-I in Congestion Charges account for the week 1<sup>st</sup> to 7<sup>th</sup> June 2015 wherein revised amount of Rs. 730197/- was mentioned as ' Amount Receivable by THDCIL'. The above matter was deliberated 33<sup>rd</sup> Commercial sub Committee Meeting and accordingly minutes of the above meeting was issued on 13.09.2017, wherein it is mentioned that an amount of Rs, 21161/- was to be paid by THDCIL. Accordingly, THDCIL had released the due payment of 21161/- on 27.09.2017. As there is no delay on the part of THDCIL, THDCIL had requested NRPC vide its letters dated 13.04.2018 & 09.05.2018 to accordingly revise the statement of Interest on Late Payment of Congestion Charges for FY 2017-18 issued by NRPC vide its letter no. 4317-4351 dated 12.04.2018.

SE(C), NRPC opined that the due date of payment for the revised account of Congestion charges starting from 1<sup>st</sup> to 7<sup>th</sup> June 2015 may be considered as 30.06.2018 and requested NRLDC to submit the revised data for calculation of interest on congestion charges may be submitted accordingly.

Members of the sub-committee concurred to the proposal. It was decided that the due date for above mentioned revised account will be considered as 30.06.2018 and interest calculation will be revised accordingly.

**ITEM-9 Reimbursement of Reactive Energy Charges from UPPCL to RVPN**

Representative of RVPN briefed about the correspondences among RVPN and UPPCL. He stated that as on date i.e. 11<sup>th</sup> June, 2018, 1.54 Cr. was outstanding against reactive energy charges.

As representative from UPPCL was not present in the meeting matter could not be deliberated.

Member secretary, NRPC stated that, RVPN should take up the matter with UPPCL's higher management.

The sub-committee suggested that since the matter is long pending, to resolve the issue, NRPC Sectt. may write a letter to the CMD, UPPCL.

**ITEM-10 Outstanding amount of Rs. 7.14 Crores from PSPCL to RVPN**

Representative of RVPN briefed about the correspondences among RVPN and PSPCL and raised the issue that the outstanding amount of Rs. 7.14 Crores was due from PSPCL to RVPN. Representative of PSPCL assured to take up the issue with their finance department and discuss mutually with RVPNL.

Member secretary, NRPC requested RVPN and PSPCL to discuss and resolve the issue bilaterally and inform the status to NRPC Sectt..

**ITEM-11 Payment of Late Payment Surcharge (LPS) by the Beneficiaries of SJVNL**

SJVNL representative stated that as per CERC regulation provides for charging of LPS on delayed payments released by the beneficiaries beyond due dates. Since, 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, non-payment of same is violation of CERC regulation & PPA terms, which attracts regulatory provisions for encashment of letter of credit and regulation of power. He informed that while releasing the payment of energy bill, the amount of late payment surcharge was being excluded by the beneficiaries despite the fact that they had delayed the payments.

Representatives of BYPL and Purvanchal Vidyut Vitaran Nigam Ltd. (PuVVNL), UP requested that in view of financial constraints generating company may provide one time relaxation in LPS amount to settle this issue.

SJVNL representative informed that LPS is charged as per CERC regulations and as decided by Ministry of Power, Govt. of India, any relaxation may not be feasible.

The sub-committee directed all the Discoms to make LPS payment as per the prevailing regulations.

It was informed that many time finance department of the Discoms does not allow LPS. In this regard, it was decided that the responsibility of payment for purchasing power including LPS, if any, lies with the concerned power purchasing agency/Discom. The co-ordination among different departments within the utility is responsibility of the management of that utility.

It was also emphasized that the officer representing the utility in NRPC meetings should participate in deliberations as a representative of that utility

and not a particular department.

**ITEM-12 Execution of Tri-partite Agreement (TPA) as proposed by Ministry of Power, Govt. of India.**

Representative of SJVNL stated that as per Ministry of Power, Govt. of India in its letter dated 22.11.2016 and further reminders dated 19.12.16, 17.1.2017, 16.3.2017, 30.05.17, 21.07.18 had requested the State Governments / UT Administrators to sign / executive the TPA and return the same to Ministry of Power, GOI for further necessary action at their end. The Ministry of Power informed that Punjab and Uttar Pradesh beneficiaries states of Northern Region are yet to sign / execute the TPA.

Representative of PSPCL stated that the matter had already been taken up with the management and was under process.

As the representative from UPPCL was not present in the meeting, updated status could not be ascertained.

The sub-committee advised both the utilities to sign the TPA at the earliest.

**ITEM-13 Revision of Declared Capacity of NJHPS and RHPS from 01.05.2017 onwards considering 5<sup>th</sup> Amendment of CERC (IEGC) Regulations, 2010**

Representative of SJVNL briefed about the 5<sup>th</sup> Amendment of CERC (IEGC) Regulations 2010 on 12<sup>th</sup> April 2017 which has come into effect from 1st May 2017. He quoted the Regulation 5.2 (h) of Part 5 of the Principal Regulations and SOR thereof issued vide notification dated 12.04.2018. He stated that NRLDC may revise the Declared Capacity of NJHPS and RHPS from 01.05.2017 onwards.

Representative from NRLDC stated that they had submitted their views to CERC. He mentioned that in NRLDC opinion the revision in DC could be made effective from the issuance of Statement of Reasons (SoR), as the post-facto revision in DC would be difficult to implement for all the utilities.

The sub-committee was of the opinion that as the matter was sub-judice , utilities can wait for final decision of CERC. All the utilities were advised to submit their comments on the issue to NRPC Sectt. / CERC.

**ITEM-14 Energy Accounting Methodology for Start-up Power of MUNPL**

MUNPL representative informed that MUNPL, a JV Company between UPRVUNL and NTPC Ltd, was drawing start-up power from M/s Purvanchal Vidyut Vitran Nigam Ltd (PuVVNL) since Nov. 2016 through bilateral agreement for commissioning of Two (02) units of 660 MW.

M/s PuVVNL had been billing MUNPL on MVAh basis for each month. Till 6<sup>th</sup> March 2018, there was no dispute as MUNPL was drawing start-up power in Radial Mode.

Subsequent to the charging of all the 400 kV lines ( details were at Annexure-14.1 of Agenda) in March 2018, M/s PuVVNL raised bill on 13.04.2018 (details were at Annexure-14.2 of Agenda ) for the energy consumption for the period from 01.03.2018 to 02.04.2018 by netting off export and import MVAh reading of the meters installed in all 400 kV evacuation lines. From the readings of the meters, it has been observed that there was net export of MWh from MUNPL to 400 kV grid and net import of MVAh from grid to MUNPL, which is technically not possible. Therefore, the methodology of summation of MVAh of all the meters is erroneous.

He added that the issue of methodology of accounting of start-up power was taken up with PuVVNL through various communications (Details were at Annexure-14.3 of the Agenda), however there was no response from PuVVNL. He mentioned that this discrepancy was due to scalar addition of absolute values of MVAh rather than vector addition. He also pointed out that PuVVNL had taken power factor by averaging the values in different lines, which is not a pragmatic methodology.

He proposed that till the time energy meters were not installed by UPPTCL on 400 kV side of ICT (i.e. till 07.05.2018) data of energy meter installed by MUNPL on 400kV side of ICT may be used for accounting of drawl of start up power. After 07.05.2018, data of UPPTCL meters installed on 400 kV side of ICT may be used for accounting of drawl of start-up power as per single point metering philosophy of Discom.

He requested that MUNPL's views may be discussed and suitable mechanism to resolve the issue may be suggested.

PuVVNL representative stated that billing to MUNPL was on the basis of VAh, which was in accordance with regulatory provisions of UPERC . He added that in billing, all MVAh the values of export and import of each meter had been taken for final energy calculation. He mentioned that values having different dimensions/vector planes can neither be subtracted nor added therefore method suggested by MUNPL may not be possible. However, he agreed that the energy values based on the meter installed by UPPTCL on 400 kV side of ICT may be considered after taking up the matter with higher management. He suggested that difference in values from two methods (one that has been adopted by PuVVNL for billing and the second based on the meter on 400 kV side of ICT) may be considered for adjusting the earlier billing, if required. He, however, mentioned that this would be possible only after approval of PuVVNL management.

Member Secretary, NRPC opined that MVAh billing should not be done based on by scalar addition of MVAh of each line. It has to be done by taking square root of summation of  $(MWh)^2$  and  $(MVRh)^2$  for total system.

He suggested that MUNPL and PuVVNL may sort out issue as proposed by PuVVNL representative for taking values of meter on 400 kV side of ICT .Billing of the disputed period may also be revised based on comparison as suggested by PuVVNL representative.

The sub- committee was of the opinion that billing based on scalar summation of VAh readings was not a pragmatic method and needs to be reviewed. It was advised that MUNPL and PuVVNL should resolve the dispute mutually.

#### **ITEM-15 Installation of Standby Meters as per CEA Metering Regulations, 2006 (Agenda by MUNPL)**

M/s MUNPL representative informed that M/s MUNPL vide its letter dated 24.03.2018 and through e-mails ( placed at Annexure- 15.1 of the Agenda ) had been requesting UPPTCL to provide the stand by energy meters as per CEA metering regulations but only 2 Nos. standby Meters were provided. He requested that UPPTCL may provide these meters so that Standby meters in each GT and Reactor is commissioned at the earliest.

PuVVNL representative assured that they would take up with UPPTCL for facilitating installation of meters in accordance with regulatory provisions.

The sub-committee advised UPPTCL/PuVVNL representative to get the meters installed at the earliest in accordance with regulatory provisions.

#### **ITEM-16 Double recovery of BBMB transmission charges by PGCIL & BBMB**

A separate meeting with representatives from POWERGRID, NLDC, BBMB and its partner states was held on 11<sup>th</sup> June, 2018 at 0330 PM, after the CSC meeting. The minutes of the meeting is enclosed at **Annexure-16.1**. As decided in the meeting a letter has been sent to CERC by NRPC Sectt.

#### **ITEM-17 Status of DSM Charges**

Representative of NRLDC informed that 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.

DSM Charges payable to pool status as on 16' May-2018 considering week No. 04 (due date- 14<sup>th</sup> May 2018) was enclosed at Annexure-17.1 of the Agenda.

NRLDC representative informed that as the outstanding of PDD J&K, EPPL & Himachal Sorang was more than 90 days, non-clearance of the outstanding within two weeks, NRLDC would be constrained to invoke section 25A of CERC (Open Access in inter-State Transmission) Regulations 2008 and subsequent amendments thereof (i.e.; denial of STOA) as per the provisions stipulated in the regulation and CERC order dated 02.09.2015 in Petition No. 142/MP/2012.

The sub-committee advised all payable utilities to clear the outstanding dues at the earliest to avoid further increase of delay payment Interest and to facilitate payment to receivable parties entities.

#### ITEM-18 Long pending outstanding of PDD J&K

Representative of NRLDC informed that there was a long pending outstanding of Rs. 106.66 crore against PDD J&K in various pool accounts as per details given below:

Sl. No.	Account Name	Principal (Amount in Rs. Lakhs)	Interest on Delay Payment (Amount in Rs. Lakhs)	Total (Amount in Rs. Lakhs)
1	Deviation Charges	3568.05	276.32	3844.37
2	Reactive Energy Charges	5379.30	1297.78	6677.08
3	Congestion Charges	125.94	15.64	141.58
Total Outstanding				10666.03

In view of continuous violation of CERC Regulation by PDD J&K, NRLDC was regularly following up with PDD J&K since last five months for clearing all the outstanding. The issue of default in payment by PDDJ&K was raised in commercial Sub-committee meeting and NRPC/TCC meetings also.

NRLDC representative informed that STOA to PDD J&K may be denied with effect from 00:00 Hrs of 01.07.2018 , as per provisions stipulated in Regulation 25A of CERC (Open Access in inter-State Transmission Regulations), 2008 and in accordance with CERC Order dated 02.09.2015 in Petition No. 142/MP/2012.

No representative of PDD J&K was present in the meeting. NRLDC was



advised to give some more time to PDD J&K in view of precarious conditions in J&K.

**ITEM-19 Reversal of Payment from DTL to NRLDC.**

Representative of NRLDC informed that as per NRPC bill dated 30<sup>th</sup> July 2014, pertaining to UI charges delay payment interest for Qtr-3 &4 of FY 2013-14 has been settled by NRLDC on dated 08.08.2014, in which EPPL had been paid an amount of Rs. 12,24,058/- as per the bill.

He further stated that EPPL vide mail dated 29-11-2017 informed & submitted the declaration of their bank (PNB) for non-receipt of above payment, and requested to clarify the same. NRLDC vide email sought for clarification from the bank (SBI) regarding the issue. SBI intimated that the payment has been inadvertently made to the credit account of Delhi instead of EPPL.

He further added that NRLDC is issuing reconciliation statement quarterly and all utilities are requested to get the statement reconciled at their end and send a signed copy of the reconciled statement to NRLDC by the due date. However, NRLDC is not receiving any communication in this regard and accordingly NRLDC presumed that the Statement stands reconciled after the due date. In this instant case, M/s EPPL has reported the mismatch after a gap of more than 3 years.

However, since the matter has come to notice of NRLDC, NRLDC Vide letter dt. 08-01-2018, the matter was conveyed to Delhi for reversal of the payment to NRLDC for onward transmission to EPPL.

Representative of DTL stated that since the issue is of FY 2013-14 , it may take two or three weeks more.

Committee advised Delhi to revert the amount at the earliest and requested all the constituents to reconcile all the account statements quarterly to avoid any such issue.

**ITEM-20 Status of Letter of Credit (LC) against Deviation Charges delayed payment**

Representative of NRLDC stated that NRLDC vide letter no. NRLDC/MO/2018-19/974-988 dated 30<sup>th</sup> April 2018, had informed all concerned entities to open the LC based on the commutation for financial year 2017-18. Details of LC status were enclosed in Annexure-20.1 of agenda.

He requested to defaulting entities to open the LC against Deviation Charges as per the Regulations of CERC.

#### **ITEM-21 Reactive Energy charges status as on 16.05.2018, considering week-04**

The status of payment of Reactive Energy (RE) charges payable/Receivable by utilities as on 16.05.2018, as per the information received from NRLDC was shared. It was noted that Delhi, PDD J&K and Punjab had net outstanding dues.

The Sub-committee advised the payable entities to release outstanding RE charges at the earliest so that receivable parties could be paid.

Representative of NRLDC stated that if outstanding were not cleared by 30<sup>th</sup> June, 2018 they may invoke regulation 25A for denial of STOA.

Representative of BYPL stated that for payment of reactive energy charges STUs are responsible but Discoms would suffer due to action under regulation 25A, which is on account of default by STU. He emphasized that such action should be avoided.

The sub-committee advised NRLDC to write to CMDs of the concerned defaulting utilities for clearing the dues and to inform Discoms in advance before invoking regulation 25A.

#### **ITEM-22 Congestion Charges**

Representative of NRLDC informed that the amount received in the congestion charges account was disbursed to the receivable parties. The details of outstanding amount against the entities (as on 15<sup>th</sup> May 2018) were indicated in the Annexure-22.1 of the Agenda of this meeting. It was noted that major outstanding was against UPPCL, PDD J&K, Railways, Himachal Pradesh, Greenko Budhil & SJVNL etc.

The Sub-Committee advised all payable constituents to release outstanding Congestion Charges at the earliest.

Representative of NRLDC stated that they would be constrained to invoke denial of STOA as per the provisions stipulated in the regulation and CERC order dated 02.09.2015 in Petition No. 142/MP/2012 in case of non- payment of outstanding.

#### **ITEM-23 Capacitor Installation in Jammu and Kashmir Region**

Representative of NRLDC stated that NRPC in its 6<sup>th</sup> meeting had approved the proposal for reimbursement of Rs. 2200 Lakh to PDD J&K for installation of shunt capacitors. As such Rs. 2200 Lakh was retained by NRLDC in Reactive Pool Account. Total amount of Rs. 1949.19 Lakhs has been released to PDD J&K against the installation of shunt capacitor as per NRPC advisory. Now PDD J&K vide letter dated 10.04.18 has refunded amount of Rs. 18.03 Lakhs on dated 10.04.18 as a balance out of Rs. 1949.19 Lakhs.

The balance amount of Rs. 250.81 Lakhs (i.e. Rs. 2200 Lakhs -1949.19 Lakhs) was earlier retained in the Reactive Pool Account and now balance amount of Rs. 18.03 Lakhs refunded by J&K is also available in Reactive pool account. It is now proposed to transfer the balance amount i.e.; Rs. 268.84 lakhs to PSDF account. He stated that this was for information and concurrence from members for transfer of this balance fund to PSDF account.

Committee in principle agreed for the same, however advised to take up the matter in next TCC/NRPC meeting.

#### ITEM-24 NRLDC Fee & Charges

Representative of NRLDC informed that NRLDC was raising the monthly bills in line with CERC Regulations 2015, considering Feb 2018 bills (due date - 30.04.2018) amount of Rs. 2,85,544/- was outstanding against PDD J&K (part payment of Feb-18) towards NRLDC Fee & Charges.

He further informed that 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://nrlcdc.in/commercial/bill-details/>".

NRLDC Fee & Charges Format for Payment made /TDS Deduction.

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)

The Sub-committee advised the concerned utilities to clear outstanding at the earliest.

#### ITEM-25 Inter State Transmission losses in NR

Representative of NRLDC informed that the list of points being used for injections / drawl along with their CT/PT ratios were uploaded in NRLDC website. The constituents were requested to check their drawl / injection points and CT/PT ratios being used. Comments/discrepancies, if any, on the same may please be communicated to NRLDC at the earliest.

The Sub-committee advised all the concerned utilities to check the drawl points and CT/PT ratios to avoid any discrepancy in data, as inter-state transmission losses have substantial commercial implications.

#### ITEM-26 Disbursement of payments from POOL Accounts.

Representative of NRLDC informed that NRLDC is operating the Regulatory pool accounts (Deviation, RE, and Congestion Charges), and the soft copies of disbursement details of all the accounts are available in NRLDC Web-site in the following link "<https://nrlc.in/uireactiveinterest-letters/>".

He further informed that disbursement of payments of above account to all the parties is being done online (RTGS) except for Railway, UT Chandigarh and PDD J&K which is being done through Cheque.

As representatives from UT of Chandigarh, PDD J&K were not present in the meeting and Railway is not member of the Subcommittee, The Subcommittee advised NRLDC to take the matter directly with them.

#### **ITEM-27 Status of Ancillary Services**

Representative of NRLDC informed the updated Status from week 01 to 52 of financial year 2017-18 and week 01 to 05 of financial year 2018-19.

He further informed that all dues have been settled against RRAS and AGC from pool account up to week -05.

Members noted the information.

#### **ITEM-28 Reconciliation of NRLDC Fee and charges**

Representative of NRLDC intimated that they had sent the reconciliation statements of NRLDC Fee and Charges for the billing period Nov-17 to Mar-18 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 15.05.18. Reconciliation from NTPC (all stations), ADHPL, APCPL (APCL transmission and IGSTPS), KWHEPS, Bairasiul HEP, Chamera-III HEP, Railway, NRSS XXXI (B) Transmission Ltd. and NRSS XXXVI Transmission Ltd had been received.

Entities were again requested to verify the Reconciliation statements and send the duly signed copy as a normal practice. Even if there is no discrepancy, then also it is requested to kindly send the duly signed copy. In case non receipt of any communication till 18.06.2018, it would be presumed that statement stands reconciled.

Members noted the information.

#### **ITEM-29 Reconciliation of Deviation Account**

Representative of NRLDC intimated that they had sent the reconciliation statement of Deviation Charges for the period Jan-18 to Mar-18, on 10.04.2018 and uploaded the same in its website on 10.04.2018. The

constituents were requested to verify /check the same & comments if any on the same were to be reported to NRLDC by 30.04.2018. Till now signed reconciliation statement of ADHPL, NHPC APCPL, KWHPS & THDC had been received only.

Entities were again requested to verify the Reconciliation statements and send the duly signed copy as a normal practice, even if there is no discrepancy. In case non- receipt of any communication till 18.06.2018, it would be presumed that statement stands reconciled.

Members noted the information.

### **ITEM-30 Reconciliation of RE Account**

Representative of NRLDC intimated that they had sent the reconciliation statement of RE accounts for the period Jan-18 to Mar-18 on 10.04.2018 and uploaded the same in its website on 10.04.2018. The constituents were requested to verify /check the same & comments if any on the same were to be reported to NRLDC by 30.04.2018. He further informed that signed reconciliation statement of Rajasthan had only been received.

Entities were requested to verify the Reconciliation statements and send the duly signed copy as a normal practice, even if there is no discrepancy. In case non receipt of any communication till 18.06.2018, it would be presumed that statement stands reconciled.

Members noted the information.

### **ITEM-31 Reconciliation of STOA Charges disbursement**

Representative of NRLDC intimated that they had sent the reconciliation statement of open access disbursement for the Quarter- 4 of financial year 2017-18 on 16th April 2018. The applicants/STU/SLDCs were requested to verify /check the reconciliation statement & comment if any on the same by 15<sup>th</sup> May 2018. Till now signed reconciliation statement of all the parties has not received.

Entities were requested to verify the Reconciliation statements and send the duly signed copy as a normal practice. Even if there is no discrepancy, then also it was requested to send the duly signed copy. In case non- receipt of any communication till 18.06.2018, it would be presumed that statement stands reconciled.

Members noted the information.

### **ITEM-32 STOA Rates of State Network in Northern Region**

Representative of NRLDC intimated that as on date STU charges being applied for STOA transactions were given below:-

S.No.	Name Of Constituents	Rates in Rs / MWh
1	Punjab	1540
2	Haryana	360
3	Delhi	258.73
4	Rajasthan	287.80
5	Uttar Pradesh	237.5
6	Himachal Pradesh	17
7	Uttrakhand	125.95
8	Jammu & Kashmir *	80
9	UT Chandigarh *	80
*ST Rates not intimated to NRLDC		

Representative of NRLDC requested all the members to take a note of the same and intimate NRLDC in case any discrepancy is observed.

In case there is a revision/change in STU/SLDC rates, it was requested that the respective State should intimate immediately to NRLDC about such revised rate and effective date for implementation of such revised rate also via e-mail and Phone (in addition to signed letter through hard copy).

Members noted the information.

### ITEM-33 TDS Certificates against STOA Charges

Representative of NRLDC intimated that STOA charges are being deposited by the applicants in the STOA account maintained by the Nodal RLDCs. Applicants are deducting TDS in the PAN of POWERGRID for PoC Charges and in the PAN of POSOCO for STU/ SLDC/ RLDC charges. The major portion of bilateral transaction charges pertains to CTU (POWERGRID), STUs & SLDCs as compared to RLDCs operating charges.

He further intimated that applicants had been requested vide letter ref no.: POSOCO/NRLDC/2017/1084-1131 dt: 21.09.17 to deduct TDS in PAN of concerned PoC Charges (POWERGRID PAN), STU/SLDC Charges (concerned STU/SLDC PAN) & operating charges / application fee (POSOCO PAN) for approvals issued on and after 1st October-2017. Applicants have started deducting the TDS accordingly. Applicants were also requested to submit the TDS details Monthly & Quarterly in the prescribed formats which were available on NRLDC website.

Members noted the information.

**ITEM-34 TDS Reconciliation**

Representative of NRLDC intimated that TDS verification for FY 2010-11 to FY 2016-17 have been done by NRLDC. After Verification of TDS from Form-26AS, following applicants have been requested to pay the short deposited TDS amount in NRLDC STOA account:

Sl. No.	FY	Name of Applicant	Amount to be Deposited (Rs)	Action Taken by NRLDC
1	2012-13	NDPL	29,719	Letters regarding TDS Default were issued on dt: 20.03.17 and dt:01.08.17
2	2013-14	HNGIL	3,25,136	Letters regarding TDS Default were issued on dt: 20.03.17 and dt:01.08.17
4	2015-16	Provestment	6,318	Letters regarding TDS Default were issued on dt: 20.03.17 and dt:01.08.17

The Sub-Committee advised concerned entities to make payment at the earliest.

**ITEM-35 Status of Outstanding STOA Delay Payment Interest**

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 the outstanding interest amount (computed till 30.09.2017) was shared in the meeting. The details were given in the agenda for the meeting.

It was noted that utilities viz. Provestment, RDPPC, HPSEB and UPCL had outstanding due to which the portal for punching STOA applications was blocked for these utilities.

It was deliberated that since the name of RDPPC has been changed to RUVNL hence the same may be incorporated in NRLDC database.

The sub-committee advised all the utilities to make timely payments to avoid blocking of STOA , which may make adverse financial implications to the utilities.

**ITEM-36 Information of Deviation/reactive payment in NR pool account**

Representative of NRLDC intimated that the matter regarding furnishing of information of Deviation/reactive payment in NR pool account has been deliberated in commercial committee Meetings. UPPCL, Railways,

Greenko Budhil & AD Hydro are regularly informing the details. Remaining of the NR pool members (payable) were again requested to intimate the details of payment being made by them in the format given below:

Email account:

Nrpool2010@gmail.com

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

He further requested all the members to submit the information as per above mentioned format.

### ITEM-37 Status of AMR as on 16.05.2018

Representative of NRLDC informed that LOA for installation and commissioning of AMR system for Northern Region was awarded by POWERGRID to M/s Kalkitech in February 2012. The issues has been regularly being discussed in every OCC Meeting , Commercial Sub-committee meeting of NRPC as well as in TCC & NRPC meetings. He informed that as on date SAT of 205 locations had been completed covering 1323 SEM and 266 DCU.

SAT of 205 locations was completed in year 2016 since then no progress has been made. As on date 1342 SEMs/277 DCU had been integrated.

He added that out of 205 locations through AMR only at around 164 locations the data can be used for preparation of regional energy account due to various reasons as deliberated earlier also. The main reasons for such as informed by representative of Kalkitech were

- Replacement/addition of meters with Elster make.
- Communication issues
- ORU of the SEMs sometime removed /not placed properly
- DCU not working

He further stated that data from all locations are required for calculation of losses and preparation of weekly regional energy account. Non-availability of data from so many stations is making it difficult for NRLDC to process the meter data for loss calculation and timely submission of data to NRPC for preparation/issuance of weekly energy accounts.

In the last meeting; it was proposed that POWERGRID should take up the matter with M/s Kalkitech and ensure that AMR data from all sites shall be made to NRLDC lasted by Tuesday Morning. However, there has not been



significant improvement in availability of data through AMR.

POWERGRID was again requested to take up the matter with M/s Kalkitech and ensure that data is made available at NRLDC by Tuesday F/N. Work at other locations need to be expedited.

The sub-committee advised that a separate meeting may be held on this issue among the members from NRLDC, POWERGRID and NRPC to resolve the issue of AMR.

### **ITEM-38 Integration of AMR System with Elster Meters**

Representative of NRLDC informed that the matter regarding integration of AMR with ELSTER make meters was discussed with POWERGRID representative in 33<sup>rd</sup> commercial sub-committee meeting held at NRPC, New Delhi and also in 35<sup>th</sup> commercial sub-committee meeting. In the last TCC& NRPC meetings held on 27<sup>th</sup> and 28<sup>th</sup> Feb, 2018, Representative of POWERGRID intimated that the integration of AMR with Elster Meter would likely to be completed within a week.

He further informed that as intimated by M/s Kalkitech representative module for integration of Elster make meter was developed. However, no Elster make meter had been integrated with AMR.

POWERGRID representative apprised that the integration of Elster make meter would be done by next month.

### **ITEM-39 AMR data through Fibre Optic Network**

NRLDC representative stated that M/s Kalkitech informed that the pilot project taken up by POWERGRID for transmission of AMR data from Maharani Bagh to NRLDC on wide band network had been completed successfully with necessary configuration through optical fibre link since 9<sup>th</sup> February 2018 on weekly basis to AMR server installed at NRLDC. NRLDC vide its letter Ref. No NRLDC/MO/Metering/646 dated 27.04.118 had also intimated regarding this to POWERGRID, NR-1 RHQ. Accordingly, as per the decision taken in TeST sub-Committee, POWERGRID should initiate necessary action for implementing the required infrastructure so that meter data can be transferred over optical fibre link from all those stations in Northern Region where the substation has optical fibre link connectivity.

He added that during 38<sup>th</sup> TCC & 41<sup>st</sup> NRPC meeting, it was discussed and in principle agreed to switchover to optical fibre network for meter data transmission, wherever feasible. TCC requested POWERGRID to intimate the estimated cost implication for shifting of AMR data on OPGW network, wherever, feasible. POWERGRID had agreed for the same.

Representative of NRLDC requested to POWERGRID to intimate the estimated cost implication, No. of locations where this is feasible and time frame for shifting AMR data communication on OPGW network.

POWERGRID agreed to provide the details of cost estimate etc. at the earliest.

#### ITEM-40 Time drift Correction in SEMs

NRLDC representative informed that NRLDC is regularly uploading the discrepancy report on weekly basis indicating the likely 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 had also taking up the matter with concerned over telephonically and/or through e-mail also. However, no improvement was observed.

He added that NRLDC vide its letter Ref. No. NRLDC/MO/2018/108-118 dated 04.01.18 , Ref No: NRLDC/MO/2018/372 dated 05.03.2018, Ref No: NRLDC/MO/2018/767-793 dated 14.05.2018 had circulated the list of SEMs where time correction was required to all the state utilities, SLDCs, POWERGRID Stations, Generation stations and had asked them to submit the reports to NRLDC after necessary time correction. But NRLDC did not receive the compliance report from them except BBMB and NHPC. He requested that all these utilities shall ensure the time correction of the SEMs in their respective premises and submit the report to NRLDC.

Details as informed in the meeting regarding time correction of SEMs were as under :

S.No.	Name of the Utility	No. of SEM meters due for time correction based on meter reading for the week (12.02.18 - 18.02.18)	No, of SEM meters due for time correction based on meter reading for the week (02.04.18-08.04.18)
1	Delhi	12	08
2	Haryana	14	11
3	Himachal Pradesh	15	20
4	J&K	20	17
5	Punjab	41	36
6	Rajasthan	33	27
7	Uttar Pradesh	52	49
8	Uttarakhand	26	23
9	POWERGRID	357	284
10	NTPC	26	27
11	NHPC	31	29

12	BBMB	35	20
13	NPCL	07	07
	Total	669	558

Representative of NRLDC requested all members in whose premises the meters are installed, 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:

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

He further informed that POWERGRID has placed an LOA to M/s Kalkitech for time drift correction through AMR system also. However, time drift correction through AMR was not being done.

POWERGRID was requested to appraise the status of time drift correction through AMR system.

Members agreed to provide the time drift status as per above format and periodically check the time drift of meters which are installed in their premises.

The sub-committee expressed concern about large time drift in meters, which has financial implications. NRLDC and other members were advised to follow up weekly status and if required the meters should be replaced by CTU/STU.

#### **ITEM-41 Installation of SEM at HV side of 66/11KV transformers at NFL Plant**

NRLDC representative mentioned that as per MOM dated 17.11.2017, on metering related issues at NFL end, it was decided that Special Energy Meter (SEM) at BBMB load point would be installed by CTU for which the installation of CT/CVT will be done by NFL and it is possible during Annual Maintenance of Plant during March/April-2019. Till the SEM is installed at BBMB load point, as an interim arrangement, it was decided that SEM at HV side of 66/11kV transforms at NFL Expansion Plant would be installed by CTU. However, the meter has not been installed till date.

The Sub-Committee advised all the concerned to take action for early resolution of the issue.

#### **ITEM-42 Replacement/Rectification of SEM meters**

NRLDC representative stated that, NRLDC was 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 was to ensure that such rectification/replacement was carried out at the earliest to ensure proper energy account. The matter related to delay in replacement of faulty meters was also conveyed in last meeting. However, it was observed that CTU had taken much time for meter replacement because of which NRLDC had to face problem during data validation and energy accounting.

Other than this it was observed that meters were replaced but software/DCD was not provided so the site was not able to send the data. e.g. in MIA-RVFN and Heera Nagar-PDD.

List of Defective/Faulty SEM meters in Northern Region is enclosed at [Annexure-42.1](#).

The sub-committee expressed concern over the number of faulty meters and advised POWERGRID to take necessary action for rectification/replacement of meters and submit report to NRPC Sectt. and NRLDC within one month.

It was emphasized that healthiness of meters must be ensured, as fault in meter may result in huge commercial impact. All the utilities, in whose premises the meters are installed, were requested to report, immediately, fault in meter, whenever any fault is noticed, to NRLDC and NRPC Sectt. for effective follow up.

#### **ITEM-43 Nomination of nodal officer:**

Representative of NRLDC informed that in Northern Region, there are around 2030 SEMs and 300 sites including substations and generation stations. For metering related issues; He requested that all State utilities/generating stations should nominate 01 nodal officer with contact no. and email id.

The sub-committee advised that the requisite information may be provided within 15 days.

#### **ITEM-AA1 Petition Signing of Default Escrow Agreement & Agreement cum deed of Hypothecation as a payment security mechanism for 412 MW Rampur Hydro Power Station (RHPS)**

SJVN brought the additional agenda (AA1) in the meeting on this issue. Representative of SJVNL informed about the relevant clause of PPA for Default Escrow Agreement & Agreement cum deed of Hypothecation as a payment security mechanism for 412 MW RHPS.

He further stated that beneficiaries namely UPPCL, UPCL, PSPCL and PDD

J&K have to sign Default Escrow Agreement & Agreement cum deed of Hypothecation as per PPA.

Representative of PSPCL stated that she would take up the matter with higher management.

Since the representative from UPPCL, UPCL and PDD J&K were not present, sub-Committee advised SJVNL to take up the matter with them bilaterally and inform the outcome to NRPC Sectt. for follow up.

#### **ITEM-AA2 Discussion on Reserve Shutdown Procedure of WRPC**

Additional agenda (AA2) was discussed in the meeting. SE(C), NRPC gave a presentation about the salient features of the procedure.

Representative of NRLDC stated that the procedure is difficult to implement.

The sub-committee advised all the utilities to send their comments on the procedure, within 15 days, so that it can be forwarded to CERC.

#### **ITEM-AA3 Scheduling of 10% overload capacity by Karcham Wangtoo to the long term beneficiaries to avoid spillage of water**

Himachal Baspa Power Co. Ltd. (HBPCL) brought the additional agenda (AA3) in the meeting. He informed that 1000 MW Karcham Wangtoo HEP (KWHEP) located on river Sutlej in Kinnaur District of Himachal Pradesh is owned and operated by Himachal Baspa Power company Limited (HBPCL). The KWHEP is a run of river plant with pondage. The generation tariff of KWHEP has been determined by the Hon'ble CERC.

Power Purchase agreement (PPA) is through PTC for 880 MW (excluding 120 MW, free power to Govt. of Himachal Pradesh) to various distribution utilities on long term basis, effective from 1.4.2018 (Haryana-376 MW, UP-200 MW, Punjab-200 MW, Rajasthan-104 MW).

KWHEP representative informed that recently NRLDC had restricted the scheduling of KWHEP up to the LTA quantum of 880 MW and was not permitting overload schedule of 10% under the existing LTA. This was resulting in denial of entitlement of 10% overload rights of the State utilities from plant and would lead to spillage of water. He added that 10% overload was being allowed to Central sector hydro generating stations under their existing LTA.

He mentioned that discrimination between the ISGS and IPP plants should be removed and to avoid spillage of water, 110% power generation should be scheduled to the long term beneficiaries, under existing LTA arrangement.

NRLDC representative stated that since the LTA quantum of KWHEP

beneficiaries is fixed, power from KWHEP cannot be scheduled more than the LTA quantum. He emphasised that the case of Central Generating stations is different as they have deemed LTA. NRLDC representative stated that overload capacity up to 110% can be allowed to be injected, but for the excess capacity above the LTA i.e. 880 MW , KWHEP should seek STOA. He clarified that under the existing LTA only 880 MW can be allowed to be injected.

All the constituents including beneficiaries of KWHEP were of the opinion that there is no regulatory provision which prevents scheduling of overload capacity from KWHEP beyond the LTA quantum.

The sub-committee decided that in the national interest, NRLDC should schedule overload capacity up to 10% from KWHEP to prevent spillage of water and loss of free energy. It was also decided that NRPC Secretariat would write to Hon'ble Commission for clarification in the matter.

**ITEM-AA4 Certification of monthly Plant Availability Factor for the month (PAFM) of the Karcham Wangtoo HEP by NRLDC (Agenda by HBPCL)**

Himachal Baspa Power Co. Ltd. brought the additional agenda (AA4). Representative of NRLDC stated that since KWHEP have PPA for part capacity only ( PPA for 880 MW for 1000 MW installed capacity) the scheduling in line with other ISGS can not be done. He informed that in Western Region already some methodology was being followed for such type of generating stations. He suggested to follow the same methodology of KWHEP also.

The sub-committee agreed to follow the mechanism for KWHEP which is being followed in other reasons for such type of cases.

**DATE AND TIME OF THE NEXT MEETING**

The date and venue of next (37<sup>th</sup>) meeting of the Commercial Sub-committee will be intimated later.

**Annexure-I****List of Participants of 36<sup>th</sup> Commercial Sub-Committee**

<b>S.No.</b>	<b>Name of Officer</b>	<b>Designation</b>	<b>Organisation</b>	<b>E-mail</b>
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4	<b>UTTAR PRADESH</b>			
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	Shri Rudresh Pandey	AE (Meter)	PUVVNL (UPPCL)	
5	<b>HARYANA</b>			
	Shri Munish Satija	XEN	HVPNL	
	Shri Gaurav Gupta	XEN	UHBVN	
6	<b>PUNJAB</b>			
	Smt. Amrita Singh Sehra	Sr. Xen/ISB	PSPCL	xenisb1@gmail.com
7	<b>RAJASTHAN</b>			
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	Shri O.P. Bansal	XEN (NPR&RA)	RVPNL	
	Shri Bahadur Singh	AO (B&R)	RVPNL	
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	Shri Vineet Srivastava	DGM(Comml)	POWERGRID	
	Shri Mukesh Kumar	AGM(Comml)	POWERGRID	
	Shri R.N. Gupta	DGM(AM)	POWERGRID	
	Shri R. K. Raman	Chief Mgr (AM)	POWERGRID	
11	<b>SJVNL</b>			
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17	<b>Member Trader</b>			



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18	<b>Member IPP (&lt;1000MW)</b>			
	<b>ADHPL</b>			
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19	<b>NRPC</b>			
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	Shri Sovaran Singh	EE	NRPC	
	Shri Vikrant S. Dhillon	AEE	NRPC	
	Shri Manish Maurya	AE	NRPC	

**Annexure-16.1**

**Minutes of the Meeting held on 11.06.2018 in NRPC Conference Hall, New Delhi Regarding Double Recovery of BBMB Transmission Charges and Follow up thereof.**

A meeting to discuss the issues and action plan for remedial measures in the matter of double recovery of transmission charges for BBMB transmission system by PGCIL under PoC mechanism as well as directly by BBMB. List of the officials present in the meeting is enclosed at **Annexure-A**.

Representatives of BBMB and partner States informed that for computation of PoC charges and losses for 3<sup>rd</sup> and 4<sup>th</sup> quarter of FY 2016-17 i.e October 2016 to March,2017, the capacity of BBMB power stations (i.e. Bhakra complex, Dehar & Pong) has been added in the LTA of constituent States corresponding to their share in these projects. This has resulted into high recovery of PoC charges from these States.

The representative of Rajasthan stated that there is no order of CERC to include generation capacity of BBMB in LTA and the CERC order is restricted to generation and transmission tariff determination only. He also cited the minutes of the Validation Committee held on 21.02.2017 wherein it was decided that LTA of BBMB project shall not be considered under PoC mechanism for transmission charges for the Quarter 1 2017-18. The order of CERC dt. 28.4.2017 was also cited where in it was mentioned that the assets of BBMB and LTA in respect of BBMB shall not be included under PoC mechanism and a view on inclusion of these assets under PoC shall be taken after the determination of final tariff.

POSOCO representative clarified that the LTA in respect of BBMB was included in compliance to CERC orders dated 12.11.2015 and 21.03.2016 in Petition No. 251/GT/2013 considering BBMB assets as ISTS . For the period Oct-Dec,2016 transmission charges with respect to BBMB assets were not included as, it was not available at the time of PoC charges determination for this period. Subsequently, for the period Jan-March,2017 the transmission charges of BBMB assets was also included. He emphasized that the LTA for the period Oct-,2016-March,2017 and the transmission charges of BBMB for the period Jan-March,2017 were included in PoC charges calculation in light of above mentioned CERC orders. He added that since April, 2017, the LTA and Transmission charges with respect to BBMB are not being included in PoC charges calculation, orderbased on decision of Validation Committee dated held on 21.02.2017.

The representatives of BBMB and partner states intimated that for the 3<sup>rd</sup> Quarter i.e. October,16 to December,16, the assets of BBMB have not been included while working out the PoC Charges for the said quarter. For recovery of transmission charges, Powergrid have included the MW share of BBMB projects in the LTA of the

Partner States meaning thereby that Powergrid has recovered the transmission charges for BBMB system by adding the BBMB MW share in the LTA of the partner States. However, no transmission charges have been passed on to BBMB by Powergrid on the plea that cost of BBMB assets is not included while working out the POC. Thus on one hand, partner States have paid transmission charges for BBMB transmission system to Powergrid against the enhanced LTA capacity on inclusion of their BBMB share in LTA by Powergrid and on the other, have paid transmission charges to BBMB also against the bills directly raised by BBMB.

The Partner States were of the strong opinion that this additional recovery from BBMB partner states under PoC charges for the period Oct-Dec,2016 is totally wrong and Powergrid, therefore, should immediately refund the transmission charges along with interest to them.

POWERGRID representative clarified that the billing of transmission charges is based on the RTA issued by RPCs and determination of PoC charges by the implementing agency i.e. POSOCO. He stated that refund, if any, to the partner states would be done after revision of RTA for which revision in PoC charges calculation would be required. POSOCO representative informed that since the matter is under consideration of Hon'ble Commission, and revision of the PoC charges, if required would be based on final decision by the Commission..

Regarding the transmission charges for the period Jan-Mar,2017, BBMB representative stated that the amount reimbursed by the PGCIL to BBMB ( about Rs. 35.5 Crore) on account of its transmission charges under the PoC mechanism for the period January 2017 to March 2017 had already been apportioned amongst the partner States in the agreed ratio. The amount had been credited in the account of partner States in the demand note raised in November, 2017 under the head sale of Power.

BBMB representative requested partner States to continue making payment to BBMB towards their share in the expenditure of BBMB as per the prevailing practice in line with the provisions in Punjab Reorganization Act 1966.

The BBMB & Partner States informed that more than Rs. 421 Crores have been recovered by PGCIL from the Partner States of BBMB under PoC mechanism for the aforesaid period of six (6) months from Oc,16-Mar,17 and had passed on an amount of Rs.36.00 Crs. only to BBMB for 4<sup>th</sup> quarter i.e. January, 17 to March, 17, whereas no amount have been passed on to BBMB by Powergrid for 3<sup>rd</sup> quarter i.e. October, 16 to December, 16.

Rajasthan representative informed that Rs. 151.39 Crores has been charged by PGCIL for the period October, 2016 to March, 2017 from Rajasthan. He stated that the transmission charges received by PGCIL should be refunded since evacuation system for BBMB power was developed by BBMB for which capex and opex is being done by the partner states. In such a situation, including the BBMB power in the LTA of each of the power states shall imply making payment again for the evacuation and transmission system developed with the funds of partner states

and also maintained by the partner states. It will thus amount to double payment.

The Partner States informed that Powergrid was not taking any action for refund of amount recovered by them from Partner States of BBMB in spite of deliberations in various meetings at different level in NRPC i.e. CSC, TCC & NRPC. They urged that NRPC should advise concerned agencies for immediately recalculating the transmission charges for the aforesaid period and refund the amount recovered by them from BBMB partner States. They stated that there is no order of CERC to include BBMB assets in PoC mechanism and it was done unilaterally by NLDC/PGCIL. This fact is further substantiated by the CERC order dated 28.04.2017 where it has categorically ordered, not to include BBMB assets under PoC mechanism.

It was clarified by POSOCO representative that the the partner states of BBMB are trying to link YTC of additional transmission assets with the charges payable for additional LTA. There is no linkage between the two, and transmission charges are shared on all India basis. It was mentioned that in the order dated 28.04.2017 Hon'ble Commission had directed that the assets of BBMB and LTA in respect of BBMB would not be included under PoC mechanism and a view on inclusion of these assets under PoC would be taken after determination of final tariff of these assets.

After deliberation, it was decided that since the matter of tariff determination of BBMB assets is pending with Hon'ble Commission, NRPC Secretariat may take up with the Commission for early decision in the matter.

Annexure-A

List of Participants of the meeting held on 11.06.2018 to Discuss the Double  
Recovery of Transmission Charges with respect to BBMB Assets at NRPC, New  
Delhi

<b>S. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organisation</b>	<b>E-mail</b>
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7.	Shri Munish Satija	EE	HVPN	
8.	Shri O.P. Bansal	EE	RVPNL	
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12.	Shri Sovaran Singh	EE(C)	NRPC	
13.	Shri Vikrant Singh Dhillon	AEE(C)	NRPC	
14.	Shri Manish Maurya	AE(C)	NRPC	

**Annexure-42.1****List of Defective/Faulty SEM meters in Northern Region**

S. N.	Meter No.	Element Name	Station/ Utility	Issue	Remarks (if any)	Updated status/ Date of Issue
1	NP-1175-A	220kV Gazipur-DTL at Sahibabad-UPPCL	UPPCL	Data not received	To be checked and rectified by NR-1	Meter replaced but DCD and software not provided for downloading of data
2	NP-8042-A	220kV Anta-2 at Lalsot-RVPNL	RVPNL	Data not received	DCD/MRI and requisite software to be provided by NR-1.	Pending since more than 01 year
3	NP-3040-A	220kV BTPS at MIA-RVPNL	RVPNL	Data not received	Meter to be replaced by NR-1	17.04.2014 Meter replaced but DCD and software to be provided for downloading of data
4	NP-1349-A	220/132kV ICT-2(220kV) at Hissar-BBMB	BBMB	Meter faulty	Meter to be replaced by NR-2	14.10.2017
5	NP-5440-A	GT-3(132 kV) at Kotla HPS	BBMB	Meter reading less	Meter to be checked/replaced by NR-2	04.12.2017
6	NP-1861-A	ICT-1 (132 kV) at Udhampur-PDD	PDD, J&K	Meter is reading zero	Meter to be checked/replaced by NR-2	19.06.2017
7	NP-5478-A	400 kV Kishenpur-PG-2 at Baglihar	PDD, J&K	Meter data not received	DCD and software to be provided for downloading of data by NR-2	24.06.2014
8	NP-1333-A	220 kV Bhiwani -1 at Bhiwani-HVPM	HVPM	Meter defective/no display in meter	Meter to be replaced by NR-2	Dec-17
9	NP-1853-A & NP-1854-A	220 kV RSHEP-1 &2 at Hiranagar-PDD	PDD	Meter data not received	Meter to be replaced by NR-2	Apr-18 Meter replaced but DCD and software not provided for downloading of data
10	NP-3091-A	220 kV Ganguwal-2 at Dehar HPS	BBMB	Meter defective	Meter to be replaced by NR-2	Feb-18

S. N.	Meter No.	Element Name	Station/ Utility	Issue	Remarks (if any)	Updated status/ Date of Issue
11	NP-1632-A	66 kV Terrace at Pong HPS	BBMB	Meter faulty	Meter to be replaced by NR-2	24.04.18
12	NP-1129-A	33kV Delhi-3 at Rohtak Road-BBMB	BBMB	Meter faulty	Meter to be replaced by NR-2	24.01.18
13	NP-3091-A	220 kV Ganguwal-2 at Dehar HPS	BBMB	Meter faulty	Meter to be replaced by NR-2	Feb-18
14	NP-1695-A	66kV UT Chd-2 Sec28 at Dhulkote-BBMB	BBMB	Time delay in meter	Meter to be replaced by NR-2	27.03.18
15	NP-1841-A	400kV URI-II at Uri HPS	NHPC	Read Less	Meter to be rectified/replaced by NR-2	Meter replaced in Dec-17 but again reads less
16	NR-4532-A	400kV Chittorgarh PG-2 at Chittorgarh-RVPNL	RVPNL	Read 1/3rd	Meter to be rectified by NR-1	Jan-18
17	NP-6608-A	132kV side of 220/132 kV ICT-3 at Raibarely-PG	PG	Polarity Problem	Polarity to be reversed by NR-1	Jan-18
18	NP-6819-A	132kV side of 220/132 kV ICT-2 at Raibarely-PG	PG	Polarity Problem	Polarity to be reversed by NR-1	Jan-18
19	NR-3531-A	220 kV Kishenganga-1 at Amargarh-PDD	J&K PDD	Data not received	PC/Laptop not available. To be provided by J&K PDD	Mar-18
20	NR-3530-A	220 kV Kishenganga-2 at Amargarh-PDD	J&K PDD	Data not received	PC/Laptop not available. To be provided by J&K PDD	Mar-18