



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

सं. उक्षेविस/वाणिज्यिक/210/वाउस(40)/2019/11563-11606

दिनांक: 01 अक्टूबर, 2019

No. NRPC/ CommI/210/CSC(40)/2019/

Dated: 01<sup>st</sup> October, 2019

सेवा में / To,

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

विषय: वाणिज्यिक उप-समिति की 40 वीं बैठक का कार्यवृत्त।

**Subject: 40<sup>th</sup> meeting of Commercial Sub-Committee – Minutes.**

महोदय ,

Sir,

उत्तर क्षेत्रीय विद्युत समिति वाणिज्यिक की उप-समिति की 40 वीं बैठक दिनांक 12.09.2019 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।

40<sup>th</sup> Commercial Sub-Committee meeting of NRPC was held on 12<sup>th</sup> September, 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 HP SLDC
39. Representative of DHBVNL (Haryana Discom member)
40. Representative of AVVNL (Rajasthan Discom member)
41. Representative of PVVNL (UP Discom member)
42. Representative of BSES Rajdhani Pvt Ltd. (Delhi Pvt Discom member)
43. Representative of Bajaj Energy Pvt Ltd (Member Genco < 1000 MW)
44. Representative of Kreate Energy Pvt Ltd. (Member Trader)

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## **MINUTES OF 40<sup>th</sup> MEETING OF COMMERCIAL SUB-COMMITTEE OF NRPC**

The 40<sup>th</sup> meeting of Commercial Sub-Committee of NRPC was held at NRPC, New Delhi on 12<sup>th</sup> September 2019 under the chairmanship of Member Secretary, NRPC. The list of participants is enclosed at **Annexure-I**. Member Secretary, NRPC while welcoming the delegates, stated that focus of discussion should be to conclude the issue with time bound action plan. He stated that there was a long list of agenda, some of them were like long outstanding dues of various utilities, certification of open cycle generation for gas stations under RRAS mode, metering and AMR related issues, etc. All these issues would be discussed at length. He requested the committee members that discussions should be brief and limited to the agenda point only. With these remarks, he requested Superintending Engineer (C), NRPC to take up the agenda for deliberation.

### **ITEM-1 Confirmation of Minutes of 39<sup>th</sup> Meeting of Commercial Sub Committee of NRPC**

- 1.1 SE (C), NRPC stated that the minutes of 39<sup>th</sup> meeting of Commercial Sub-committee held on 21<sup>st</sup> May 2019 were issued vide letter no. NRPC/Comml/210/CSC (39)/2019/7000-43 dated 04<sup>th</sup> July 2019.
- 1.2 THDC vide email dated 16.07.2019 had requested to amend their part in item no. 3 of the minutes as under:

Utility	Beneficiary	Remarks
THDC	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. During the meeting, issue related to verification of LPS bills by UPPCL was discussed. In this connection, THDCIL's representative informed that the verification of pending LPS bills of THDCIL is pending since October'2018 and requested to UPPCL to resolve this matter on priority. THDCIL's representative also requested NRPC to intervene in this matter with senior officials of UPPCL.

- 1.3 With above, members approved the minutes of 39<sup>th</sup> CSC meeting.

### **ITEM-2 Recent MoP and CERC Orders/Draft Regulations**

#### **2.1 Implementation of Payment security mechanism-based scheduling of power**

SE(C) stated that MoP vide its OM no. 23/22/2019-R&R dated 28/06/19 and thereafter a few clarifications, has directed for implementation of Payment Security Mechanism (PSM) based scheduling of power in the country w.e.f. 01/08/2019 and has also directed to give regular status update on the implementation of the same at Inter-state as well as at Intra-state levels.

SE(C) briefed the members about the contents of orders issued by MoP on payment security mechanism. It was inter-alia informed that status of the implementation of the mechanism at inter-state as well as intra-state level has to be furnished to MoP on weekly basis. Therefore, all SLDCs are supposed to furnish the status of the implementation of payment security mechanism at

inter-state and intra-state levels to respective RLDCs on weekly basis for onward submission to MoP.

Some members wanted clarification whether information of state owned generators is to be furnished. It was clarified that SLDC is not required to furnish such information and instead they are required to give information of generators not owned by them but embedded in the state and scheduling is carried out by SLDC. NRLDC stated that if any SLDC encounters any problem in furnishing the required information, the same should be intimated to NRLDC.

MS, NRPC stated that the matter may also be taken up by NRLDC in the upcoming OCC meeting, where representatives of SLDCs are mostly present.

## 2.2 **Proposed framework for Real-Time Market (RTM) for Electricity**

SE(C), NRPC stated that to trade unrequitioned power in real time, a framework for Real-Time Market for electricity has been proposed by CERC. CERC has also proposed draft amendments to the enabling provisions contained in: (i) Central Electricity Regulatory Commission (Indian Electricity Grid Code), 2010; (ii) Central Electricity Regulatory Commission (Power Market Regulation), 2010; (iii) Central Electricity Regulatory Commission (Open Access in inter-State Transmission) Regulations, 2008. He further stated that the draft regulations, along with the Explanatory Memorandum have been posted at Commission's website and the same may be referred to for more details.

Members noted the information.

## 2.3 **Automatic Generation Control (AGC) implementation**

SE(C), NRPC stated that CERC in its order dated 28.08.19 in petition no 319/RC/2018 has directed that all the ISGS stations whose tariff is determined or adopted by CERC, to be AGC-enabled and the ancillary services including secondary control through AGC be implemented. NLDC shall notify the said requirements within one month of this order. NLDC has also been directed to commission the requisite communication infrastructure. Besides, NLDC has to ensure that the complete project gets commissioned within six months of the issuance of the order.

Members noted the information.

## **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 this meeting.

Utility	Discoms	Remarks
THDC	BRPL, Delhi	LPS amounting to Rs. 125 Cr is pending. At present, they are focusing on maintaining LC in compliance to MoP's PSM order
	BYPL, Delhi	Liquidated amount of Rs. 57 Cr during FY 2018-19
	PDD, J&K	PDD J&K was not present in the meeting
	UPPCL, UP	UPPCL was not present in the meeting
	PSPCL, Punjab	Outstanding dues was Rs. 8.25 Cr and

		requested THDC to reconcile the same. Further informed that the dues may be cleared after reconciliation.
	JdVVNL, Rajasthan AVVNL, Rajasthan	RUVNL stated that payment would be made at the earliest.
SJVNL	Govt. of HP/HPSEB	HPSEB stated that they have taken up the matter to Govt. of HP to waive off the LPS amount.
	PDD, J&K	PDD J&K was not present in the meeting.
	UPPCL, UP	UPPCL was not present in the meeting
	Rajasthan Discoms	RUVNL stated that payment is being made as per fund availability. He also stated that action plan for making payment, would be submitted in the next CSC meeting. He further added that Urja Vikas would be a holding company of Rajasthan DISCOMS w.e.f. 01.10.2019. Representative of SJVN stated that Urja Vikas shall not claim rebate unless their past outstanding gets cleared. RUVNL agreed for the same.
	PSPCL	payment would be made after reconciliation.
	UPCL	UPCL was not present in the meeting.
NHPC	PDD, J&K	PDD J&K was not present in the meeting.
	UPPCL, UP	UPPCL was not present in the meeting.
	PSPCL, Punjab	Payment would be made once the record got settled.
	JdVVNL, (Hydro Power) Jodhpur	RUVNL stated that they would take up the matter to settle at the earliest.
	JdVVNL (Wind Power), Jodhpur	
	AVVNL, Ajmer	
	UPCL, Uttarakhand	UPCL was not present in the meeting.
POWERGRID	PDD-J&K	PDD J&K was not present in the meeting.
	UPPCL, UP	UPPCL was not present in the meeting.
	PSPCL (Punjab)	PSPCL stated that amount would be disbursed shortly.
	UPCL(Uttarakhand)	UPCL was not present in the meeting.
	JDVVN (Jodhpur Discom)	RUVNL stated that they would take up the matter to settle at the earliest.
	AVVN (Ajmer (Discom)	
PPCL Bawana	PSPCL	PSPCL stated that an amount of Rs. 84 lakh was released during FY 2018-19, further disbursement would be made after reconciliation.

- 3.2 MS, NRPC advised the above generating stations and POWERGRID to whom outstanding payment has to be made by beneficiaries that now onwards, they should share the details of all correspondences made with their beneficiaries regarding payment of dues and follow up thereof, failing which, the item may not be included in the agenda note from next CSC meeting. Members agreed for the same.

#### ITEM-4 Non-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.

- 4.2 Representative of POWERGRID stated that BRPL, BYPL and PDD-J&K has not yet opened the irrevocable monthly revolving Letter of Credits despite of repeated reminders and meetings.

Beneficiary	Remarks
BRPL BYPL	Representatives of BRPL and BYPL stated that after the implementation of MoP order regarding PSM, they are bound to open the LCs for the generators. Due to this, their financial condition has further deteriorated. They will open the LC of requisite amount as the funds are available.
PDD-J&K	Representative of PDD J&K was not present in the meeting.

#### ITEM-5 Restructuring of Northern Regional Monthly Energy Account

- 5.1 NTPC stated that they are raising monthly bills based upon REA issued by NRPC, followed by SEA issued by various SLDCs. As large amount of power is being supplied through inter regional stations, hence Regional Energy Accounts of multiple RPCs and SLDCs are referred to, by NTPC Centralized Billing Centre, Noida. Presently, SLDC Delhi also issues Intra Regional provisional energy account for DISCOMs of Delhi detailing various allocation, scheduled energy and other components which take place only after issuance of the REA by NRPC. SLDC Delhi, issues its SEA on next day after issuance of NRPC REA on normal working days and delay worsens if NRPC issues REA on Friday or on a day having holiday on next day. Due to this the entire billing of NTPC held up for quite a longer period for want of SEA from SLDC Delhi. To overcome the issue due to delay in SLDC Delhi REA, NTPC suggested two options. The details of the same are available in agenda note of this meeting.
- 5.2 CSC was of the view that the options have been suggested by NTPC to address the issue of minor delay at some occasions but the same may lead to departure from the standard methodology, being followed by NRPC Secretariat in issuance of REA.
- 5.3 MS, NRPC stated that REA is being prepared by NRPC Sectt. based on data received by NRLDC and as per prevailing CERC Regulations. In order to address above issue in an efficient manner, he suggested NRLDC to submit the data in accordance with the timelines laid down in CERC regulations so that NRPC Secretariat may endeavour to issue the REA within one working day after receipt of data from NRLDC. MS, NRPC however suggested that in case the problem persists and there is no improvement then the matter would again be taken up in the next CSC meeting and some solution would be found.
- 5.4 The representative of SLDC, Delhi assured that they will strive to issue the SEA on the same day, if NRPC issues the REA by the forenoon of that day.

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

- 6.1 NRPC informed that in the last CSC meeting, it was decided that the issue regarding open cycle certification of Gas stations under RRAS would be discussed again in the next CSC meeting.
- 6.2 It was pointed out that CERC has addressed the issue of open cycle

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

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

CSC agreed to the above approach.

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

- 7.1 APCPL stated that the payment of RRAS Charges to APCPL IGSTPS-Jhajjar in case of RRAS Up regulation during the FY 2016-17, 2017-18, 2018-19 & 2019-20 (till 11th week) was made after the due date i.e. 17 days from the date of issuance of RRAS account by NRPC on several occasions but the payment of interest @ 0.04% per day of delay was not made in accordance with the RRAS detailed operating procedure.
- 7.2 APCPL further stated that as per para 13.10 of Detailed Operating Procedure for Ancillary Services issued by CERC vide dated 21.11.2016, due to delay in payment of RRAS Charges by NRLDC to Aravalli Power Company Private Limited (APCPL-IGSTPS Jhajjar) during the FY 2016-17, 2017-18, 2018-19 & 2019-20 (from 18-04-2016 to 18-07-2019) the total interest payable is Rs 7,14,05,250. The details of the same is enclosed as Annexure-7.1 of agenda note of this meeting.
- 7.3 APCPL further added that the same was already approved in the 37<sup>th</sup> Commercial Sub Committee meeting held on 31-08-2018, but no payment has been released in this regard till date.
- 7.4 MS, NRPC stated that NRPC Secretariat would settle the issue early.

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

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

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

- 8.2 BBMB informed that that prior to 01/06/2016, energy consumption (Auxiliary & Housing Colony) at various BBMB Grid sub-stations was being considered as Project Consumption of BBMB. This energy was treated as common pool consumption of Bhakra complex and was subtracted from the Ex-Bus energy sent out/scheduled from Bhakra Complex power houses before working out energy shares of partner states of BBMB in the REA issued by NRPC. In view of small energy consumption of about 6-7 LU/month, BBMB requested for restoration of Pre-ABT methodology for auxiliary & housing colony energy consumption at its substations.
- 8.3 MS, NRPC enquired from BBMB whether in line with the decision taken in the meeting held on 29/8/16, whether any discussion took place with partner states. BBMB informed that no such meeting was conducted.
- 8.4 MS, NRPC advised BBMB to discuss the matter with their partner states first and based on the outcome of the same, matter may be brought in next CSC meeting, if required. BBMB agreed for the same.

#### **ITEM-9 Regional Transmission Deviation Accounting for IGSTPS Jhajjar**

- 9.1 SE (C), NRPC informed that as per CERC order in petition no. 126/MP/2017 dated 04th May, 2018 *"IGSTPS is connected to both CTU network (Jhajjar-Mundka Line) and STU network (Jhajjar-Daulatabad line) and its scheduling is being carried out by NRLDC, the ISTS charges and losses shall not be applicable for evacuation of the share of power of Haryana Utilities through 400 kV D/C IGSTPS-Daulatabad Transmission Line."*
- 9.2 Accordingly, Regional Transmission Account (RTA) is being prepared and no transmission charges are levied against LTA of 693MW (46.2% of 1500) of Haryana from IGSTPS-Jhajjar and NLDC has also been submitting approved access of IGSTPS-Jhajjar data after deducting share of Haryana.
- 9.3 SE(C) informed that as Regional Transmission Deviation Account (RTDA) is prepared based on the actual drawl, this would result in higher RTDA charges since approved access of Jhajjar is taken as installed capacity minus Haryana share and actual injection from IGSTPS Jhajjar includes drawal by Haryana also.
- 9.4 MS, NRPC opined that RTDA may be prepared considering the ISTS drawl from Jhajjar-Mundka line only i.e. the drawl on Jhajjar-Mundka line may be considered as injection from the IGSTPS-Jhajjar for calculation of RTDA. However, this may lead to RTDA charges being levied on the generator in case Jhajjar-Daulatabad line is not under operation and the entire generation of Jhajjar is being evacuated through Jhajjar-Mundka line; and Haryana would have to bear transmission charges in such a scenario as per CERC.
- 9.5 NLDC stated that the order of CERC in Petition No. 291/MP/2015 dated 30.03.2017 on similar case may be referred for more details. CSC decided

that the methodology being adopted by SRPC for calculating RTDA charges of Simhadri STPS Stage-1 may be adopted for IGSTPP Jhajjar also. The share of Haryana would be included in the approved access of IGSTPP Jhajjar for calculation of RTDA. For over injection by IGSTPP Jhajjar, no RTDA charges would be levied on Haryana if it is drawing power through Jhajjar-Daulatabad line and such charges would be waived off.

**ITEM-10 Difference in YTC as per RTA account and YTC approved by Hon'ble CERC in its Order dated 18.04.2018 for 400kV S/s Srinagar and 400kV Srinagar-Srinagar PH line (Petition no. 80/TT/2016 and 81/TT/2016)**

- 10.1 PTCUL stated that various bills had been raised by POWERGRID, the details are enclosed as Annexure-10.1 of agenda.
- 10.2 PTCUL further stated that there was a difference of Rs 6000 between approved Tariff and bills raised by POWERGRID to UPCL due to rounding-off.
- 10.3 MS, NRPC stated that RTA account would be revised by NRPC Secretariat so as to rectify the mismatch between amount against bills and approved tariff.

**ITEM-11 Non submission of Solar Generators**

- 11.1 SE(C), NRPC stated that the agenda was included inadvertently and hence, the same was withdrawn.

**ITEM-12 DSM Bill Dispute raised in FY 17-18 and FY 18-19**

- 12.1 Representative of TPDDL stated that they had a meeting scheduled on 13.09.2019 with Delhi SLDC to resolve this issue. He further stated that based on the decision of the meeting, the issue may be discussed in the next CSC meeting, if needed. Accordingly, this agenda item was withdrawn by TPDDL.

**ITEM-13 Grossing up of Deferred Tax amount by PGCIL & Gencos for period prior to 31.03.2019**

- 13.1 Representative of BRPL stated 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. He further added that Deferred Tax is being billed by generating & transmission companies post March 2009. As per CERC tariff Regulations 2009-14 & 2014-19 generating & transmission companies are entitled to bill deferred tax liability up to 31st March 2009 whenever it materializes.
- 13.2 He also stated that the extant regulations of CERC had clearly restricted the claim of Tax amount only to deferred tax liabilities up to 31st March 2009 whenever it will materialize.
- 13.3 He further stated that BRPL is continuously writing to the NTPC, NHPC & PGCIL to provide the following details:
  - i Plant wise deferred tax liabilities accumulated till 31.3.2009 along with backup

details

- ii Year on year deferred tax materialized for each plant along with backup details
  - iii Comparison of computed depreciation as per companies Act and IT act from the COD of the plant till the end of useful life of plant
- 13.4 He further added that the above details are not being shared by generating companies to verify the claim of their billed amount.
- 13.5 He also added that regulations have restricted the claim of tax amount after 31<sup>st</sup> March 2009 only to deferred tax liabilities that too up to 31<sup>st</sup> March 2009, but generating companies are claiming the Deferred tax amount by grossing up the Deferred tax materialized during the year with the tax rate.
- 13.6 Representative of POWERGRID stated that the statement for deferred tax liability is prepared in a well-structured manner, as per the regulations of CERC and the same is also certified by the auditor. He further stated that all the details sought regarding deferred tax liabilities may not be available as the data sought, is very old.
- 13.7 On the issue of grossing up the deferred tax liability, representative of POWERGRID stated that he will discuss the matter with the concerned official of finance wing and revert the same to BRPL.
- 13.8 It was also noted that the case related to deferred tax liability for the state of Punjab was subjudice in CERC. The sub-committee was of the view that similar action may be taken by all the concerned utilities as per decision of CERC in the aforesaid petition.

**ITEM-14 Non-Issuance of details in XL format of approved Injection/ withdrawal**

- 14.1 Representative of BRPL stated that NRPC issues the RTA (Regional Transmission Account) on monthly basis. Details of approved injection & withdrawal were also provided in MS-Excel format. However presently these details are not available on NRPC website since September'18.
- 14.2 MS, NRPC stated that NRPC Secretariat would provide the details of approved Injection & withdrawal in the MS-Excel format also.

**ITEM-15 Impact of high-water usage charges on tariff and prudent utilization of water in NHPC plants located in J & K**

- 15.1 Representative of BRPL stated that they are having allocation of power from NHPC plants located in J&K namely from Salal, Uri, Uri-II, Dulhasti and Sewa-II. NHPC has imposed water usage charges to BRPL as per clause 8 of Regulation 31 of CERC Terms and Conditions of Tariff 2014.
- 15.2 He further stated that as per State Water Resources of J&K Regulatory Authority Order 39/KJSWARA of dated 2/04/2019 Govt., the rate of water usage charges is Rs 0.25 /Kwh for power station having head above 90 m. BRPL has tabulated plant wise details pertaining to water consumption, Head of plants and units generated in FY 18-19 (Apr-Feb19) and details of the same are available with agenda note of this meeting.
- 15.3 He further added that the water usage charges per unit generated by plant is increasing the overall tariff and cost to beneficiaries of the power station. Salal

among them is the highest per unit water usage charges rate (Rs 1.12/kwh) which almost equivalents to the CERC tariff to the plant. It is found that head adjusted water consumption per unit for Salal, Uri -1, Uri-2 & Dulhasti are much higher than Sewa-II i.e. Salal is higher by about 27% than Sewa –II.

- 15.4 He further stated that BRPL has been pursuing with NHPC for reasons of large variation in water charges amongst stations.
- 15.5 Representative of NHPC stated that views of NHPC would be shared shortly.
- 15.6 Representative of BRPL requested NHPC to furnish the status that after removal of Article 370 in J&K whether the current practice of water cess charges would continue. Representative of NHPC stated that they had already written to Ministry of Power regarding the same.
- 15.7 Representative of BRPL also requested NHPC to provide the status of the ongoing court case in Apex Court regarding water cess charges.

**ITEM-16 Discontinuity of Water Usage Charges towards M/s NHPC Hydro-Electric Generating Stations situated in J&K after the formation of UTs**

- 16.1 Representative of PSPCL stated that Punjab is scheduling power from NHPC Hydro Electric plants situated in State of Jammu & Kashmir (now proposed UT of Jammu & Kashmir). The details of Generating Station from which PSPCL is scheduling power are given in agenda note of this meeting.
- 16.2 He further stated that J&K is claiming Water Usage Charges from NHPC towards above mentioned Generating stations and the same is being reimbursed by all the beneficiaries of the Generating Stations as per their allocated share including PSPCL as well.
- 16.3 He added that PSPCL has paid approximately Rs. 134 Cr for the Water Charges of above-mentioned plants in FY 2018-19. Now J&K state is proposed to become UT of Jammu & Kashmir and Ladakh which may be under the administration of Central Government. As the approximate amount of Rs. 134 Cr towards the Water Usage Charges is an additional burden on PSPCL and on the consumers of State of Punjab (passed on in tariff).
- 16.4 MS, NRPC stated that NRPC may take up the matter with MoP for waiver of Water Usage Charges for Generating Stations of NHPC situated in J&K after the formation of UTs. He also requested NHPC to share a copy of letter, written to MoP in this matter.

**ITEM-17 Status of DSM Charges**

- 17.1 Representative of NRLDC stated that Northern Region Deviation Pool Account is being maintained & operated by NRLDC, in accordance with the CERC Regulations. As per proviso (1) of Regulation 10 of CERC (Deviation Settlement Mechanism and related matter) Regulations, 2014, the payment of charges for Deviation shall have a high priority and the concerned constituents shall pay the indicated amount 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.
- 17.2 He presented the updated status of DSM Charges payable to pool as on 04<sup>th</sup> September 2019 considering week no-19 (due date of which is 02nd Sep

2019).

All figures in Rs. Lakhs

S No.	Constituents	Deviation Charges Payable	Remarks
1	JAMMU AND KASHMIR	3923.54	Outstanding Amount includes the amount which is due for more than 90 days
2	PUNJAB	3649.90	
3	POWERGRID	407.69	
4	UTTARAKHAND	767.60	

- 17.3 Representative of NRLDC informed that Punjab has cleared the total outstanding towards DSM charges which was pending since long. At present the PDD J&K and POWERGRID has not cleared its outstanding which is due for more than 90 days. There is an outstanding amount against Uttarakhand also regarding DSM charges.
- 17.4 Representative of NRLDC further stated that as per communication received from PDD J&K, they are in the process of clearing all the outstanding dues, but payments are delayed due to some unavoidable reasons i.e. non-availability of internet services, and the same shall be released on priority as soon as the internet services are restored in Kashmir Valley. Accordingly, NRLDC has withdrawn the notice for invoking section 25A of CERC Regulation for denial of Short Term Open Access for the time being.
- 17.5 Representative of POWERGRID informed that they are in the process of clearing all the DSM outstanding payment.
- 17.6 Further, in the 39th CSC meeting held on 21/05/2019 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) was deliberated. It was intimated that the issue is subjudice in the Hon'ble High Court. Committee agreed that payments on account of Deviation charges needs to be settled in line with prevailing CERC Regulation as per the DSM account issued by RPCs
- 17.7 Sub-committee advised all concerned to clear all the outstanding DSM charges at the earliest. All payable utilities were requested to make timely payment to DSM Pool Account in accordance with CERC Regulations and to avoid further increase of Delay Payment Interest.

#### **ITEM-18 Status of LC against Deviation Charges delayed payment:**

- 18.1 Representative of NRLDC informed that as per the proviso (4) of Regulation 10 of CERC (Deviation Settlement Mechanism and related matter) Regulations, 2014, if there is any default in payment to DSM Pool Account, then the defaulting constituents has to open an LC as per provision of Regulation.
- 18.2 He stated that NRLDC in May 2019, has informed all the defaulting entities regarding the opening of LC and the amount for which the LC is to be opened (along with LC format) in accordance with CERC Regulations. However, despite correspondence, except UT of Chandigarh and Greenko Budhil, no other defaulting constituent has opened the LC so far

- 18.3 Representative of Punjab informed that they had opened the required LC. NRLDC informed that they had not received the LC and requested Punjab to send the same to NRLDC for their record.
- 18.4 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 18-19	FY 19-20
1	UT Chandigarh	509.00	LC of Rs.509 Lakhs opened & Valid up to 31.03.2020	9	2
2	Greenko Budhil	40.13	LC of Rs.17.19 Lakhs opened & Valid up to 29.05.2020. LC needs to be enhanced	4	9
3	Uttar Pradesh	768.05	LC not opened	24	
4	Uttarakhand	501.45	LC not opened	10	17
5	Himachal Pradesh	395.72	LC not opened	1	
6	PDD,J&K	954.05	LC not opened	34	12
7	EPPL	1.39	LC not opened	10	
8	Punjab	719.46	LC not opened	27	15
9	POWERGRID	25.22	LC not opened	15	17
10	Rajasthan	619.25	LC not opened	4	
11	NFL	1.28	LC not opened	4	
12	Nepal (PTC)	29.53	LC not opened	2	
13	Azure Power	49.87	LC not opened	0	8
14	Renew Power	12.02	LC not opened	0	2

- 18.5 Representative of NRLDC informed that the non-opening of LC is violation of provision of DSM Regulations and NRLDC shall be constrained to report the matter to CERC.
- 18.6 Sub-committee advised all the defaulting entities to open the LC against Deviation Charges (as per Format issued by NRLDC) in compliance with CERC Regulations.

#### ITEM-19 Reactive Energy charges status

- 19.1 Representative of NRLDC informed that only PDD J&K has to pay to the Reactive Energy Charge Pool Account and requested to clear outstanding RE charges payments at the earliest so that, receivable parties will be paid and to avoid further increase of Delay Payment Interest.

#### ITEM-20 Capacitor Installation in Jammu and Kashmir Region

- 20.1 Representative of NRLDC stated that NRPC in its 6<sup>th</sup> meeting 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. PDD J&K vide letter dated 10.04.2018 refunded an amount of Rs.18.03 Lakhs as a balance out of Rs.1949.19 Lakhs.
- 20.2 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

was now proposed to transfer the balance amount i.e. Rs.268.84 lakhs to PSDF account.

- 20.3 The issue was deliberated in the 36<sup>th</sup> Commercial Sub-Committee meeting of NRPC which was held on 11<sup>th</sup> June, 2018 at NRPC, New Delhi, for concurrence from members for transfer of this balance fund to PSDF account wherein the Committee in principle agreed for the same, however advised to take up the matter in next TCC/NRPC meeting.
- 20.4 Accordingly, the issue was taken up in the 39<sup>th</sup>/42<sup>nd</sup> TCC/NRPC meetings held on 27<sup>th</sup>/28<sup>th</sup> June, 2018 at Himachal Pradesh wherein representative of PDD, J&K stated that they would utilize the balance amount of Rs.2.68 Crore as per the scheme within 6 months and TCC recommended that PDD, J&K may utilize the balance amount and NRLDC may not transfer the money to PSDF account till further communication from PDD, J&K.
- 20.5 Representative of NRLDC informed to the Committee that they had not received any communication from PDD, J&K in this regard despite request made to them to provide information regarding their plan.
- 20.6 CSC was of the view that pending confirmation from PDD J&K, the amount could be withheld in Northern Region Reactive Energy Pool account.

#### **ITEM-21 Congestion Charges**

- 21.1 It was informed that during 41<sup>st</sup>TCC/44<sup>th</sup> NRPC meetings held on 18<sup>th</sup>/19<sup>th</sup> March 2019 at Udaipur, it was agreed to waive off the delay payment interest charges for Haryana, Delhi and Himachal Pradesh.
- 21.2 Representative of NRPC informed that revised interest statement of Congestion charge would be issued shortly in line with the decision taken in the 41<sup>st</sup> TCC/44<sup>th</sup> NRPC meeting.

#### **ITEM-22 Reconciliation of Pool Accounts (Apr 19 to Jun-19)**

- 22.1 Representative of NRLDC stated that Reconciliation statement of Deviation Charges and Reactive Energy Charges has been forwarded to entities and uploaded on website by NRLDC on 09.07.2019. The constituents were requested to verify /check the same & comments if any on the same were to be reported to NRLDC by 31.07.2019. In case of non-receipt of any communication, it will be presumed that reconciliation statement stands reconciled.
- 22.2 However, except ADHPL, NTPC, THDC, APCPL, Azure Power, SJVNL, Nepal & Rajasthan (only RE Charges) no one has sent any communication to NRLDC.
- 22.3 Representative of NRLDC again requested the concerned utilities to send the signed reconciled statement within a week from the date of CSM. In case of non-receipt of any communication, it will be presumed that reconciliation statement stands reconciled.
- 22.4 Sub-committee requested all utilities to reconcile the quarterly statement and send a signed copy to NRLDC regularly to avoid any financial dispute.

#### **ITEM-23 Status of Ancillary Services**

- 23.1 The representative of NRLDC informed that Ancillary Services i.e, RRAS, AGC & FRAS has been settled up to Week 19 of FY 2019-20. There is no outstanding amount for payment of RRAS, AGC & FRAS.
- 23.2 Members noted the information.

#### ITEM-24 NRLDC Fee & Charges

- 24.1 Representative of NRLDC informed that they were 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/>".
- 24.2 Representative of NRLDC updated the status of Outstanding against NRLDC Fee & Charges up to June 19 (Due Date of which is 15/08/2019)

**All Figures in Rs.**

Sl. No.	User	Outstanding Amount up to Jun-19	Remarks
1	J&K Control Area	29,59,162	Feb-19 (Partial), Mar-19, Apr-19 & Jun-19 Bill payment pending
2	SORANG HEP	1,10,294	Outstanding of PLI 2016-17 and Provisional PLI 2017-18 issued on Feb -19
3	Delhi Control Area	92,092	Jun-19 (PPCL payment pending)
4	RENEW SOLAR POWER Pvt. Ltd. Bhadla, (SPD)	37,356	May-19 & Jun-19 Bill payment pending
6	NRSS XXXVI Transmission Ltd.	1,517	Apr-19 (Partial), May-19 & Jun-19
7	POWERGRID KALA AMB Transmission Ltd.	146	Jun-19 Bill payment pending (Partial payment made)
5	Punjab Control Area	11,941	Surcharge Outstanding against PLI Bills issued on Feb-19
8	Rajasthan Control Area	48,428	Outstanding (Rebate related issues)
9	Uttarakhand Control Area	25,973	Surcharge Outstanding
10	Haryana Control Area	12,819	Outstanding (Rebate related issues)
11	Chandigarh Control Area	10,754	Outstanding (Rebate related issues)
12	POWERGRID	1,05,034	Outstanding (Rebate related issues)
13	UP Control Area	1,44,059	Surcharge Outstanding

- 24.3 He requested to the above users to clear all the outstanding at the earliest, otherwise NRLDC shall be constrained to invoke regulatory provision under the Regulations.
- 24.4 He further requested to all the users that while making the payment provide the payment details in the prescribed format, as provided below:

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

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

- 24.5 Sub-committee requested all users are requested to make timely payment of RLDC Fees and Charges and also provide the information as per above mentioned Format for easy reconciliation.

**ITEM-25 Reconciliation of NRLDC Fee and charges**

- 25.1 Representative of NRLDC informed that NRLDC vide letter dated 31/07/2019 has sent the reconciliation statements of NRLDC Fee and Charges for the quarter -I, 2019-20 to all the users. The users were requested to send the duly signed and verified copy of reconciliation statement as a token of acceptance by 30-08-2019. Reconciliation from ADHPL, Koteswar, Meja (UP Seller), NAPS, Tanakpur (NHPC) & NTPC (for all stations) has been received only.
- 25.2 Entities were requested to verify the Reconciliation statements and send the duly signed copy as a normal practice. In case non receipt of any communication with in one week from commercial sub-committee meeting, it will be presumed that statement stands reconciled.

**ITEM-26 Reconciliation of STOA (Short Term Open Access) Charges disbursement**

- 26.1 Representative of NRLDC informed that they had sent the reconciliation statement of open access disbursement for the Quarter- 1 of financial year 2019-20 on 24th July 2019. The applicants/STU/SLDCs were requested to verify /check the reconciliation statement & comment if any on the same by 16th Aug 2019. The signed reconciliation statement of has been received from six parties i.e.: Kreate Energy Pvt. Ltd, Gati Infrastructure Ltd., Telangana STU/SLDC, Orissa STU, UPPCL and Manipur SLDC.
- 26.2 All other entities were again requested to verify the Reconciliation statements and send the duly signed copy as a normal practice. In case non receipt of any communication within a week from the CSC Meeting, it will be presumed that statement stands reconciled.

**ITEM-27 Status of Outstanding STOA Delay Payment Interest**

- 27.1 Representative of NRLDC informed that they are regularly monitoring the payment defaults, if any by the applicant. It has been noticed that some parties are regularly delaying the payment of principal and hence their interest is being accrued on a regular basis viz. Arunachal Pradesh Power Corp. Pvt. Ltd.(APPCPL), Kreate Energy Pvt, Ltd., Northern Railways (Both UP and Delhi Division).

- 27.2 He further informed that the STOA punching portal of Northern Railways (Delhi Division) has been blocked since 8<sup>th</sup> May'19 due to non-payment of Interest. Similarly, the STOA punching portal of APPCPL has been blocked six times since March'2019 for non- payment of interest which was unblocked only after receiving the payment.
- 27.3 All members were requested to make the payment as per schedule and defaulting applicants are requested to clear the outstanding at the earliest.

**ITEM-28 STATUS of AMR as on 04.09.2019**

- 28.1 Representative of NRLDC apprised the current status of AMR and members expressed concern for slow progress.
- 28.2 Representative of NRLDC informed that there was some improvement in data submission to NRLDC by Tuesday particularly after switching over of 52 locations to OPGW. However, data from all locations are required for calculation of losses and preparation of weekly regional energy account. Non-availability of data from any stations is making it difficult for NRLDC to process the meter data for loss calculation and timely submission of data to NRPC for preparation/issuance of weekly energy accounts.
- 28.3 Representative of POWERGRID was requested to coordinate with M/s Kalkitech and also to ensure that meter data from all sites are regularly provided to NRLDC by Tuesday.
- 28.4 Representative of POWERGRID apprised that the matter has been taken up with M/s Kalkitech and by the end of Dec-19, all balance meters would be integrated with AMR and percentage data availability will increase.

**ITEM-29 Integration of AMR System with Elster Meters**

- 29.1 Representative of NRLDC informed that the issue of integration of Elster make meter with AMR has been long debated in various CSC meetings and TCC/NRPC meetings. As informed by POWERGRID in the last CSC meeting in May 2019, that since M/s Kalkitech was not able to integrate despite various follow up by POWERGRID, above work has now been given to M/s Synergy System & Solutions, Faridabad. On 29th July 2019, POWERGRID shared the NPC files of interface energy meters at Ballabhgarh sub-station after necessary correction and NRLDC has checked and verified the files to be OK and intimated the same within one day i.e. 30.07.2019.
- 29.2 Representative of POWERGIRD informed that now both M/s Kalkitech and M/s Synergy are able to integrate Elster make meter with AMR system. He further informed that all the Elster meters installed at Ballabhgarh, Bahadurgarh and Mandola substations have been integrated with AMR and the balance all interface energy meters including all Elster meters would also be integrated by Dec-2019.

**ITEM-30 Status regarding procurement of DCD/Meters**

- 30.1 Representative of NRLDC informed that the requirement of DCDs and meters for next 1-2 years had been provided to POWERGRID.
- 30.2 Representative of POWERGRID informed that tendering work was in progress and the tender would be placed by the end of Oct-2019 and delivery

of meters & DCDs is expected within 3 months of award. He further informed that NR-3 has procured 30 nos. of DCD recently.

**ITEM-31 AMR data through Fibre Optic Network**

- 31.1 Representative of POWERGRID informed that AMR communications at 52 POWERGRID S/s had been configured through OPGW and balance shifting work was in progress. Further, he informed that to execute switching of OPGW on locations of other utilities, a format was circulated in 37<sup>th</sup> CSC meeting with all Utilities. However, the inputs from all utilities was still awaited.
- 31.2 Sub-Committee advised all utilities to provide the requisite information to POWERGRID at the earliest so that switching on OPGW could be possible.

**ITEM-32 Time drift Correction in Interface Energy Meters**

- 32.1 Representative of NRLDC informed that there is a significant reduction in total nos. of meters with time drift due to efforts taken by all utilities. However, in NR-2, he requested HVPNL and PTCUL to put extra efforts to minimize their numbers.
- 32.2 Representative of NTPC insisted that the issue being operational in nature, may be raised in OCC meetings. NRLDC has replied that meter discrepancies have direct impact on commercial statement of utilities and thus commercial wings/representatives of all utilities should also be in good contact with O&M wings and can communicate well to carry out time-drift & other discrepancy correction etc.
- 32.3 Representative of NRLDC reminded that it is the responsibility of the utility itself to take corrective action for time drift checking and correction in whose premises the meters are installed.
- 32.4 Representative of NRLDC requested to all the members to nominate one nodal officer for coordination for all metering related issues as the same is still awaited from most of the utilities.
- 32.5 The Sub-committee appreciated the efforts made by the utilities to bring down the number of meters wherein time drift was within 5% of total number of interface energy meters.
- 32.6 Representative of NRLDC requested that the periodic monitoring and corrective action would be required, otherwise the time drift may happen again and may cause commercial impact on users.

**ITEM-33 Replacement/Rectification of SEM meters**

- 33.1 Representative of NRLDC informed that timely rectification/replacement of defective meters was not being carried out and still there were 30 nos. of Meters to be attended. He requested POWERGRID to ensure timely action for replacement/rectification of Meters.
- 33.2 Representative of POWERGRID informed that out of 30 meters, 14 nos. of meters have already been attended and the balance would also be replaced within 7 days.

**ITEM-34 Installation of SEM at HV side of 66/11KV transformers at NFL Plant**

- 34.1 Representative of NRLDC informed that it was decided in the CSC meeting held on 10.11.2017, that Meter at BBMB load point would be installed by CTU after installation of CT/CVT by NFL during the Annual Maintenance in March/April-2019.
- 34.2 He further informed that in the last CSC meeting, the Sub-committee requested PSPCL to coordinate with CTU & NFL for installation of Interface meters at their drawl points.
- 34.3 Representative of PSPCL apprised that the new Power Transformers had been installed at the location and testing work was pending and the same was expected to be completed by the end of Oct-2019. The installation of Interface Energy Meters could be done thereafter.

### ITEM-35 Nomination of nodal officer

- 35.1 Representative of NRLDC informed that in Northern Region, there are around 320 locations including substations and generation stations. For metering related issues, it was requested that all State utilities/generating stations to nominate one nodal officer with contact no. and email id. The issue was raised earlier Commercial Sub-Committee meetings and it was advised by the sub-committee to submit the name of nodal officer; however, many of the stations have not intimated about its nodal officer except SJVN BBMB, NHPC, NTPC, Rajasthan, Punjab, DTL and Pragati Power.
- 35.2 NRLDC vide email dated 19.02.2019 requested all the members present in the last CSC meeting to provide their respective nodal officers
- 35.3 Sub-committee again requested the concerned utilities to nominate one nodal officer to coordinate all metering related issues.

### ITEM-36 Scheduling, accounting and other treatment of the legacy shared projects in Northern Region

- 36.1 Representative of NRLDC informed that states in Northern Region had shares in some of intra-state generating stations. Some of these, shares transactions are being scheduled at Inter-State level through proper 'access' in Inter-State Transmission System (ISTS) from Central Transmission Utility (CTU) while some are based on legacy scheduling process. The legacy scheduling transactions also invariably had associated transmission lines for delivery of these shares. The details of some of such transactions are tabulated below:

Sl. No.	Plant Name	State in which Plant is embedded	State whose entities have share in the plant	Share in %	Share in MW	Transaction ID for Schedule in Inter-state
1	Bawana	Delhi	Haryana	10	137	SH-07
	Bawana	Delhi	Punjab	10	137	SH-06
	CLP-Jhajjar	Haryana	Delhi	10	124	LT-05
2	Rihand hydro	UP	MP	13.75	41.25	LT-01
	Matatila	UP	MP	45	13.75	LT-02
3	Vishnu	UP	Uttarakhand	12	60	SH-01

	Prayag					
	Alaknanda	UP	Uttarakhand	12	40	LT-38
	Rajghat	MP	UP	25	11.25	LT-13
4	Khara	UP	HP	20	14.4	SH-02
	RSD	Punjab	HP		22	SH-04
	Chibro	Uttarakhand	HP	25	60	SH-05
	Khodri	Uttarakhand	HP	25	30	
	Dhalipur	Uttarakhand	HP	25	12.75	
	Dhakrani	Uttarakhand	HP	25	8.43	
	Kulhal	Uttarakhand	HP	20	6	

- 36.2 Representative of NRLDC stated that these transactions can be categorized in following broad divisions considering the payment of transmission charges and RLDC fee payments as well as scheduling.
- The transactions at S.N. 1 in above table are scheduled under proper Long Term Access (LTA) or Medium Term Open Access (MTOA) from the Central Transmission Utility (CTU) as the same started much after proper mechanism for 'access' in transmission got implemented. These LTA/MTOA are included in Regional Transmission as well as RLDC fee and charges. Schedule changes are done ex-ante as per the established procedure of the Indian Electricity Grid Code (IEGC).
  - The transactions at Sl. No. 2 are considered under deemed LTA (without formal LTA/MTOA issuance from CTU). These transactions are considered for transmission charges and not considered for NRLDC fee and charges. Schedule changes are done ex-ante as per the established procedure of the IEGC.
  - The transactions at Sl. No. 3 are considered under deemed LTA (without formal LTA/MTOA issuance from CTU). These transactions are neither considered for transmission charges nor for RLDC fee and charges. Schedule changes are done ex-ante as per the established procedure of the IEGC.
  - The transactions at Sl. No. 4 are considered under deemed LTA (without formal LTA/MTOA issuance from CTU). These transactions are neither considered for transmission charges nor for RLDC fee and charges. Schedule of these transactions are changed post-facto based on actual generation as per legacy.
- 36.3 Representative of NRLDC further added that the schedule of the above interstate share from some intrastate generators was being carried out through contracts created in NRLDC WBES and punching access has been assigned to host state SLDC.
- 36.4 The Sub-committee concluded that the matter may be discussed in detail in upcoming NRPC meeting for taking final view in the matter.

#### DATE AND TIME OF THE NEXT MEETING

The date and venue of next (41<sup>st</sup>) meeting of the Commercial Sub-committee will be intimated later.

## Annexure-I

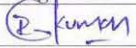
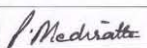
**List of Participants of 40<sup>th</sup> Commercial Sub-Committee Meeting on 12.09.2019 at NRPC Conference Hall, New Delhi**

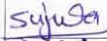

S. No.	Name of Officer	Designation	Organisation	Mob. No.	Fax No.	Signature	E-mail
1.	<u>BBMB</u> Pooja Gupta SANJAY SIDANA	Deputy Director/Comm. Asst. Dir. Comm.	BBMB BBMB	7589073743 9417210761		Pooja Sanjay	dydcomm@bbmb.nic.in adcomm@bbmb.nic.in
2.	<u>CEA</u> Prakash Khichi	Director (G.M.)	CEA	9212092617		P. Khichi	prakash.khichi@ nic.in
3.	<u>CHANDIGARH</u>						
4.	<u>DELHI</u> Pavan Ranwicare SURENDRA KUMAR AMIT NAGPAL	AM(T) DM(T) ASST. COMM.	SLDC PPCL-IPGCL PPCL-IPGCL	9999532716 9717694841 9818258992		Pavan Surendra Amit	pavan5391@gmail.com ptelcommercial@gmail.com ppclcommercial@gmail.com

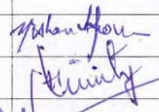
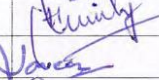
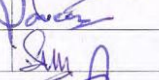


S. No.	Name of Officer	Designation	Organisation	Mob. No.	Fax No.	Signature	E-mail
5.	<u>HARYANA</u>						
①	Gausav Gupta	XEN	HPPC UHRVN	9356779008		@	celhppc@gmail.com
6.	<u>HIMACHAL PRADESH</u>						
①	Er. P.R. Bodh	S.E	HPSEBL (Discomm)	7857400363	0177- 2838901	San	SEINTERSTATE@GMAIL.COM
②	Er. Kuldeep Kumar	A.E.	HPSEBL	8219626431	0177- 2838901	CL.	KULDEEHPSEBL@GMAIL.COM
7.	<u>J &amp; K</u>						
8.	<u>PUNJAB</u>						
①	Er. AJAY JINDAL	Asstt. SE	PB&R / PSpcl	9646106855	-	Hjh 12/9/19	Se ESB PSpcl@gmail.com
②	Er. Ankit K. Bansal	A.E.	PB&R, PSpcl	96461-17259	-	AK	ae.pb&r. isb1@gmail.com
9.	<u>RAJASTHAN</u>						

S. No.	Name of Officer	Designation	Organisation	Mob. No.	Fax No.	Signature	E-mail
	Sanjay Singh Nehra	SE	RUVNL	9413390412			se2ppc@yahoo.co.in
	Kamal Singh	SE (MPS)	RVPNL	9414061091			se.prot.jpr@rvpn.co.in
10.	<u>UTTAR PRADESH</u>						
11.	<u>UTTRAKHAND</u>						
	MANOJ KUMAR	EE	PTCL	7088117941			ee3_candr@ptcl.org
12.	<u>NHPC</u>						
1.	Kanti Soni	SM	NHPC LTD	9312071879			kantinhpc2004@gmail.com
2.	Shubhalakshmi	S.M	NHPC Ltd	9910119803			shubhalakshmi@nhpc.mic.in
13.	<u>NPCIL</u>						
14.	<u>NTPC</u>						

S. No.	Name of Officer	Designation	Organisation	Mob. No.	Fax No.	Signature	E-mail
	H Harchandani	GM (Comm)	NTDC	9424209158		C	Harchandani@ntpc.co.in
	E. PRABHAKAR RAO	AGM (Comm)	NTPC	9004497144		Spr	EPRAO@NTPC.CO.IN
	K. B. Singh	GM (Comm)	NTPC	9650997014		GM	R.B.Singh02@NTPC.CO.IN
	Ajai Kechhawa.	AGM (Comm)	NTPC	9650996888		Ja	askachhawa@ntpc.co.in
15.	PGCIL						
	SUNIL KUMAR	GM (Comm)	POWERGRID	9873549005		SK	Sunil@powergrid.co.in
	Mahendra Singh Hada	DGM	POWERGRID	9650555997		ML	ms.hada@powergrid.co.in
16.	SJVN						
	Ashok Kumar.	AGM (Comm)	SJVN	9418023559		A	ashok179@hotmail.com
17.	THDCIL						
	SAROSH MATID SIDDIGI	DGM (Comm)	THDC India	9910204217		Siddigi	sm.siddigi@thdcil.co.in Sarosh.Siddigi4@gmail.com
18.	NRLDC						
	P. Karthik	Manager (M)	POSOCO	8527568957		Karthik	pkarthik@posoco.in
	Sachin Panwar	J. Engineer	POSOCO	9971110622		Sachin	Sachin.Panwar@Posoco.in

S. No.	Name of Officer	Designation	Organisation	Mob. No.	Fax No.	Signature	E-mail
3.	Rajesh Kumar	Manager	NRLDC	9560032972			r.kumar@posoco.in
4	MANOJ KUMAR AGRAWAL	GM (M&S) (L-11)	NRLDC	9873549070			mkagrawal@posoco.in
19.	APCPL						
	P. MEDIRATTA	AGM	APCPL	9416212411			pmediratta@ntpc.co.in
20.	HBPCL						
21.	LANCO ANPARA						
22.	ROSA POWER						
23.	CLP Jhajjar						
24.	Adani Power Rajasthan Ltd						

S. No.	Name of Officer	Designation	Organisation	Mob. No.	Fax No.	Signature	E-mail
25.	<u>JSW Energy Ltd</u>						
26.	<u>Lalitpur Power Generation Co. Ltd.</u>						
27.	<u>Prayagraj Power Generation Co Ltd</u>						
28.	<u>Nabha Power Ltd.</u>						
29.	<u>Member Trader</u>						
30.	<u>Private Discom</u>						
	SUJATA GURUJI	Sr. Manager	TP-DDL	9471345315	—		syujata.guriji@tatapower-ddl.com
	VISHAL VIJ	Sr. Manager	TP-DDL	9910012902	—		vishal.vij@tatapower-ddl.com
	YOGESH PRAKASH	Sr. Manager	TP-DDL	9971395198	—		yogesh.prakash@tatapower-ddl.com
31.	<u>Member IPP (&lt;1000MW)</u>						

S. No.	Name of Officer	Designation	Organisation	Mob. No.	Fax No.	Signature	E-mail
32.	<u>PTC India (Cross Boarder Trading)</u>						
33.	<u>NRPC</u>						
	Nareesh Bhandari	MS	NRPC				ms-nrpc@nic.in
	R.P. Pradhar	SE	NRPC				sec-nrpc@nic.in
	Ratnesh Kumar	EE	NRPC				- Do -
	Vikramant S. Dhillon	AEE	NRPC				- Do -
	Manish Maurya	AEE	NRPC				- Do -
							- Do -
34.	<u>Others</u>						
	<u>BYPL</u>						
	NISHANT GROVER	DGM	BYPL	9360599544			nishant.grover@relianceada.com
	HARIDAS MALTY	GM	"	9350110156			haridas.malty@relianceada.com
	Naveen Chandra	Sr. Mgr.	BRPL	8010904621			naveen.chandra@relianceada.com
	Sanjay Srivastav	Aid. V.P	BRPL	9312147045			sanjay.srivastav@relianceada.com
	Gurmmeet Singh	G.m.	BRPL	9350110205			gurmmeet.deogan@relianceada.com
	Gaurav Verma	Manager	NLDC	8800977994		