



सत्यमेव जयते

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

सं. उक्षेविस/वाणिज्यिक/210/वा.उ.स(45)/2022/7618-7661

दिनांक: 25 अगस्त, 2022

सेवा में,

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

विषय: उक्षेविस की वाणिज्यिक उप-समिति की 45^{वीं} बैठक की कार्यसूची।

Subject: Agenda for 45th meeting of Commercial Sub-committee.

उत्तर क्षेत्रीय विद्युत समिति की वाणिज्यिक उप-समिति की 45^{वीं} बैठक दिनांक **29 अगस्त, 2022 को 10:30 बजे** से विडियो कॉन्फ्रेंसिंग द्वारा आयोजित की जायेगी। उक्त बैठक की कार्यसूची उत्तर क्षेत्रीय विद्युत् समिति की वेबसाइट <http://164.100.60.165> पर उपलब्ध है।


बैठक में सम्मिलित होने के लिए लिंक व पासवर्ड सभी सदस्यों को ई-मेल द्वारा प्रदान किया जाएगा।

कृपया बैठक में उपस्थित होने की सुविधा प्रदान करें।

The 45th meeting of Commercial Sub-Committee of NRPC is scheduled to be held on **29th August, 2022 from 10:30 hrs.** via video conferencing. The agenda of this meeting is uploaded on the NRPC website <http://164.100.60.165>.

The link and password for joining the meeting will be e-mailed to respective e-mail IDs in due course.

Kindly make it convenient to attend the meeting.


(सौमित्र मजूमदार)
अधीक्षण अभियंता

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AGENDA

FOR

45th MEETING OF COMMERCIAL SUB-COMMITTEE OF NRPC

1. Confirmation of Minutes of 44th Meeting of Commercial Sub Committee of NRPC

The minutes of 44th meeting of Commercial Sub-committee held on 14th February, 2022 were issued vide letter No. NRPC/Comml/210/ CSC(43)/2022 dated 28th March, 2022. No comment has been received on the minutes.

Sub-committee may kindly confirm the minutes of 44th CSC meeting of NRPC.

2. Non-Opening of Letter of Credit

(SJVN)

2.1. As per mutually signed Power Purchase Agreement and order dated 28.06.2019 issued by Ministry of Power, Beneficiary is to submit a confirmed, revolving, irrevocable Letter of Credit in favour of SJVN for an amount equivalent to 105% of average monthly billing of preceding 12 months with appropriate bank as mutually acceptable to parties. The LC shall be kept valid at all the time during the validity of the Power Purchase Agreement. In spite of repeated reminders, JKPCL has not renewed their Letter of Credit after 13.11.2019 for power supplied from NJHPS and RHPS. As such, JKPCL may be advised to submit Letter of Credit in favour of SJVN.

(THDCIL)

2.2. Despite repeated request and reminders, J&K has not opened the Letter of Credit (LC) amounting to Rs.14.45 Cr for Financial Year 2022-23 till date.

2.3. As per the recently issued MoP. Govt. of India Electricity (Late payment surcharge) rules, 2022 on 03rd Jun'22, distribution licensee (DISCOMs) shall maintain unconditional, irrevocable and adequate payment security mechanism.

2.4. Therefore, it is requested to J&K for year 2022-23 to open the LC of requisite amount or adequate advance payment is to be made available immediately.

(NHPC)

2.5. NHPC is repeatedly requesting JKPCL, J&K to open letter of credit (LC) in accordance with Rule-6 of MoP notification no. 23/22/2019-R&R (Part-4) dated 03.06.2022 "Electricity (Late Payment Surcharge and Related Matters), Rules, 2022". LC is still to be opened by JKPCL in favour of NHPC

for the requisite amount of **Rs. 95.08 Cr**, worked out on the basis of 105% of last 12 months average billing.

(PGCIL)

- 2.6. BRPL and BYPL: have not opened desired amount of LC since March 2015 and Sept. 2016 respectively despite of repeated requests and reminders. (As on date, 48 reminders have been sent to BRPL and 30 reminders have been sent to BYPL). To comply with regulations, BRPL and BYPL are required to open LC of amount as follows:

BRPL (in Cr)			
	Required	Available	Shortage
POC	141.05	60.20	80.85
Non POC	0.06	0.06	nil
BYPL (in Cr)			
	Required	Available	Shortage
POC	80.04	35.88	44.16
Non POC	0.04	0.04	nil

- 2.7. NDMC: LC of Rs. 6.82 Cr. is pending. NDMC has claimed that bills raised after Nov'20 period (i.e., from Jan'21) are not acceptable to them since PPA with NTPC Dadri-1 was expired on Nov'20. Since RTA has been revised, NDMC is requested to open the required LC. Letter regarding the same has been sent on 02.08.22.
- 2.8. NORTEHRN RAILWAY: Railway has been informed to issue Letter of Mandate (LOM) instead of LC. Northern Railway is requested to open LOM of amount of Rs.89.98 Lakh for POC Bills and Rs.2.155 Thousand for Non POC bills. Letter regarding the same has been sent on 03.08.22.
- 2.9. JKPCL/JKPDD: LC of Rs.96 Cr. is pending. PDD, J&K is consistently failing to make payment against the monthly bills raised on it towards transmission tariff despite various correspondence and regular follow up. As a consequence, total dues of PDD, J&K as on date have accumulated to Rs. 1802.4 Cr. which includes an amount of Rs. 1605.71 Cr. Outstanding for >45 days (an amount of Rs. 1526.34 Cr. has even exceeded 90 days, out of which an amount of Rs. 1282.6 Cr has even exceeded 135 days.) based on bills raised by CTU. Letter regarding the same has been sent on 03.06.22.
- 2.10. PSPCL: LC opened by PSPCL is of 105% of average billing in place of 210%. whereas Tripartite agreement (RBI, State Govt. and central Govt. (MOP)) as security mechanism, has not been yet signed by PSPCL. Letter regarding the same has been sent on 17.02.22. Subsequently, several

verbal reminders have been given but PSPCL has not shared revised LC till date.

2.11. Outstanding Details (Outstanding >45 days)

NDMC: 7.16 Cr.

JDVVN: 24.36 Cr

3. Delay in release of payment of energy bills of NJHPS and RHPS by its Beneficiaries (Agenda by SJVN)

3.1. The Total outstanding of SJVN as on 17.08.2022 is Rs 1187.05 Crore (including LPS) (**Annexure-3**) from the Beneficiaries of NJHPS & RHPS. Since, LPS is considered as an integral part of energy bills, non-payment of LPS is violation of Power Purchase Agreement and CERC guidelines on the subject. Beneficiaries may be advised to clear their outstanding inclusive of LPS and interest at the earliest.

3.2. The major defaulting entity is Jammu Kashmir Power Corporation Limited (JKPCL), Punjab State Power Corporation Limited (PSPCL) and Uttar Pradesh Power Corporation Limited (UPPCL) which have not cleared their outstanding dues in-spite of repeated requests and follow-ups.

3.3. JKPCL, PSPCL and UPPCL may be pursued to liquidate their outstanding on priority as it is seriously affecting the cash flow of SJVN and would hamper the MoU targets assigned by MoP, Gol.

4. Default in release of outstanding dues by THDCIL's Beneficiary: (Agenda by THDCIL)

4.1. JKPCL has released the first installment against outstanding amount. JKPCL (J&K DISCOM) is requested to liquidate balance installments within schedule time. Further, JKPCL is also requested to release the monthly energy bills payment within the scheduled date so that further Late Payment Surcharge does not get accumulated.

5. Payment of Energy Bills for the month of April to May' 2020 during locked period and short payment against arrear of tariff bills as per CERC order dated 26.11.2019 by PSPCL (Agenda by PPCL)

5.1. Payment of Energy Bills for the month of April to May'2020 during lockdown period:

The payment for power supply from PPS-III Bawana or the period from April 2020 to May 2020 has not been made by PSPCL. PPCL has written various letters dated 06.04.2020, 06.05.2020, 15.07.2020 and 01.09.2020 requesting PSPCL for release of payment. However, nothing has been done

PSPCL. The detail of outstanding along with surcharge as on 1st January'2022 is as under:

No.	Month	Bill Amount (Rs.)	Bill Date	Paid Amount (Rs.)	Payment Date	Balance (in Rs.)
1	April'2020	14,19,90,503/-	08.05.20	60,292/-	04.07.20	14,19,30,211/-
a)	Fixed Cost	10,91,54,367/-				
b)	Variable Cost	3,27,75,844/-				
c)	NRLDC Charges	60,292/-				
2	May'2020	14,30,84,986/-	08.06.20	5,57,56,652/-	24.07.20	8,73,28,334/-
a)	Fixed Cost	10,91,54,367/-				
b)	Variable Cost	3,38,70,338/-				
c)	NRLDC Charges	60,281/-				

5.2. Short Payment against arrear of tariff bills raised in accordance with CERC order dated 26.11.2019:

The energy bills of PPS-III were revised on account of Tariff for the period 2014-19 as per CERC Tariff Order dated 26.11.2019 in Petition No. 221/GT/2015. Accordingly, the arrear bills raised and included following items:

- Difference of AFC billed and AFC given in Tariff order dated 26.11.2019 with carrying cost.
 - Reimbursement of Tariff determination fee paid to CERC for the period 2014-15 to 2019-20 with carrying cost.
 - Publication expenses of tariff petition in newspapers with carrying cost.
- The details are as per following:

S N.	Instalment	Instal. Date	Bill Amount (Rs.)	Payment (Rs.)	Payment Date	Short Balance (Rs.)
1	1 st Instalment	24.12.19	38,44,90,905/-	38,14,99,917/-	07.02.20	29,90,988/-
2	2 nd Instalment	24.01.20	38,48,93,125/-	38,19,02,137/-	09.03.20	29,90,988/-
3	3 rd Instalment	25.02.20	38,46,92,015/-	38,17,01,027/-	15.04.20	29,90,988/-

5.3. In addition to above principal amount Late Payment Surcharge Rs.13,74,94,052 is also due as on 24.01.2022 due to non-payment and delay in payment of various Energy Bills by PSPCL.

5.4. In this regard, it is no mention that the Clause-6.1.8 of power purchase agreement signed on 24.09.2008 has following provisions:

“Rebate and Surcharge: Rebate and Surcharge on the payment of bills shall be as per CERC regulations, as applicable from time to time; or as decided by the Seller, which would not be inferior to that of the CERC Regulations. The rebate under CERC regulations for the period 2004-09 is 2% on payment through LC on presentation of bills.”

Accordingly, overdue amount beyond Forty-Five days attracts surcharge as per CERC Regulation.

5.5. PPCL has requested the members of Commercial Sub Committee to deliberate the issue and impress upon PSPCL to make the payment of accumulated surcharge and ensure timely payment of future energy bills without any delay to avoid surcharge

6. Applicability of Intra-State transmission charges (STU charges) for long term access of the capacity of generating units of ISGS embedded in state transmission system of Uttar Pradesh (UP) (Agenda by UPPTCL)

6.1. This UPPTCL agenda item has been discussed earlier in 44th meeting of Commercial Sub-Committee of NRPC wherein, UPPTCL had submitted following:

6.2. The capacity of generating units of shared projects and central sector generating project, as mentioned in Table-1 & 2 of enclosed **Annexure-6.1**, is being handled only by transmission lines of UPPTCL.

6.3. Considering the evacuation of power from these generating units only by the Intra-State transmission system of UP and further delivery of share to other State beneficiaries through ISTS system, it is to apprise that in addition to ISTS Tr. charges, Intra-State Tr. Charges of UP are also applicable. Therefore, beneficiaries would also be liable for payment of same.

6.4. In this context, it is to inform that in case of Tanda Stage-II TPS (2x 660 MW), a central sector (NTPC) generating project, considering the inter-State long term transactions of the States other than UP on the basis of firm share, CTU have granted and regularized the inter-State LTA for the share (356.78 MW) of States other than UP vide LTA intimation C/CTU/N/07/1200000954 dated 17.01.2019, wherein it has been also intimated that in addition to applicable ISTS charges, NTPC/beneficiaries would also be liable for payment of Intra-State transmission charges of UP, as applicable.

Accordingly, States other than UP whose entities have share in Tanda Stage-II TPS are paying Intra-State transmission charges of UP to UPSTU.

- 6.5. Similarly, beneficiaries of States other than UP should be liable for payment of Intra-state transmission charge of UP for their share in such ISGS other than Tanda Stage-II as mentioned in Table-1 & 2 of enclosed **Annexure-6.1**.
- 6.6. In this context, details of UPPTCL Transmission lines used for evacuation of power from NAPP as well as shared projects has been already provided by UPPTCL vide letter no. 230 dated 28.02.2022 enclosed herewith as **Annexure-6.2**.
- 6.7. For legacy shared project, it is to apprise that since 01.04.2007 i.e., creation of Uttar Pradesh Power Transmission Corporation Limited (UPPTCL) from UPPCL, the applicability of energy charges and transmission charges exist separately. The beneficiaries of states other than U.P. are regularly paying energy charges to UPSEB/UPPCL later on to UPJVNL while transmission charges are not being paid by the beneficiaries of states other than U.P for their share in the legacy shared project since 01.04.2007.
- 6.8. In case of Alaknanda / Srinagar HEP, it is also to mention that, as per discussion in meeting held on 04.09.2008 at CEA, New Delhi among Member (PS) CEA, MD (UPPCL) and MD (PTCUL), it was agreed that there is neither requirement of seeking open access nor payment of charges by either parties. Therefore, in case of legacy shared project expect Alaknanda / Srinagar HEP viz Rihand, Matatila, Khara and Vishnu Prayag, beneficiaries of state other than U.P. should also be liable for payment of transmission charges of Intra-State transmission system of U.P. since 01.04.2007.
- 6.9. In case of NAPP (NPCIL), it is to mention that prior to implementation of POC mechanism, PGCIL were sharing the transmission charges with U.P. which were being recovered by PGCIL for energy transmitted by the UPPTCL for NAPP.
- 6.10. In this regard, it is also to mention that due to consideration of incidental ISTS flow in these lines, mechanisms for inclusion of the associated lines of such ISGS in the PoC Charges (ISTS charges) has been regulated which should not construed as non-applicability of intra-State transmission charges of UP.
- 6.11. Further, the beneficiaries, embedded in the U.P. state transmission network, are paying intra-State transmission charges for state transmission network including such lines. While the beneficiaries embedded in the other state are not paying intra-State transmission charges for U.P. State transmission network including such lines. It is also apprised that the charges recovered for such lines through PoC mechanism is also adjusted in UPPTCL's ARR by State commission.

In this matter, CERC order dated 12.05.2017 (07/SM/2017) as stated here under may also be referred to-

- 6.12. Further, Statement of Reason (SOR) dated 26.10.2015 of Sharing Regulations (Third Amendment) provides as follows:

“15.21 A question arises for consideration is whether to fix a minimum percentage figure to consider a STU line as an ISTS line or not. As per Electricity Act and Tariff Policy, all lines which are incidental to Inter-state flow of power are to be considered as ISTS. In a meshed transmission system, many intra-State transmission lines carry inter-State power and therefore become incidental to inter-State transmission system. However, as Electricity Grid is being operated in a cooperative manner, for a minor fraction of ISTS power, it is expected that STU would not insist on considering its line(s) to be interstate as on the one hand it will receive payment for its own lines, on the other it has to pay for usage of other States' lines. If a STU puts up a proposal for considering its line as ISTS and it is found that it is being utilized to a large extent by its own drawee nodes, then it would be merely an academic exercise as major part of tariff would be allocated to home State only. So, keeping in view the regulatory process involved in getting a line certified as carrying ISTS power, getting its tariff approved and then adjustment from STU's ARR, it is expected that this claim will be raised judiciously. An interesting situation happened during 2011 when in Eastern and Northern Regions, many lines were submitted to RPCs for approval as ISTS, Southern States realizing that they all are using each other State's line, decided that they will not put up any line for certification by RPC as ISTS. While Commission wants to consider legitimate claims but this must not result in making process too complex. The RPC may therefore uniformly decide a percentage below which (say 10%) such a line would not be considered as an ISTS. Further, it is intended that for assessment of a particular line being used for carrying inter-State power, technical knowhow and tools will be provided by Secretariat of RPCs and NLDC/ RLDCs shall provide all necessary support to States in this regard.

- 6.13. Accordingly, it can be concluded that recovery of charges for such lines through ISTS charges (PoC mechanism) made to a large extent only through drawee nodes of UP i.e., burden of such lines in payable ISTS charges only on the beneficiaries embedded in the U.P. state transmission network, not on the beneficiaries embedded in the other state.
- 6.14. In view of above beneficiaries of state other than UP should liable to pay the intra-State Transmission charges of UP in addition to inter-state transmission system (ISTS) for long term access of the capacity of generating units of ISGS embedded in state transmission system of Uttar Pradesh (UP), as stated here under:

Sl. No.	ISGS	State in which plants is embedded	State other than UP whose entities have share in the plant	Share (In %)	Share (In MW)
1	Rihand Hydro	UP	MP	13.75	41.25
2	Matatila	UP	MP	45	13.75
3	Khara	UP	HP	20	14.4
4	Vishnu Prayag	UP	Uttarakhand	12	60
5	NAPP (440MW)	UP	Chandigarh	2.27	9.99
			Delhi	10.68	46.99
			Haryana	6.36	27.98
			HP	3.18	13.99
			J&K	17.03	74.93
			Punjab	11.59	51.00
			Rajasthan	10	44.00
			Uttarakhand	5.58	24.55
MP	0.24	1.06			

6.15. Members may kindly deliberate.

7. Renewal PPAs in respect of Chamera-III & Parbati-III Power Stations by JKPCL (Agenda by NHPC)

- 7.1. PPA(s) in respect of Chamera-III & Parbati-III power stations have expired on 03.07.2017 and 05.06.2019 respectively. NHPC has been requesting JKPCL, J&K for renewal of PPAs. However, PPAs are still to be renewed by JKPCL, J&K.
- 7.2. In view of above, the beneficiary may kindly be impressed upon to renew the PPAs accordingly.

(Agenda by NRLDC)

8. Roadmap for Procurement and Installation of 5 Minute metering IEM

- 8.1. In the meeting on “Roadmap for Procurement and Installation of 5 Minute metering IEM” held on 19th November 2020, chaired by Chairperson CEA, it was decided that all existing IEMs shall be replaced with new technology IEMs (5 minute) having facility of telemetry of real time active power (MW) flow data to SLDC through IEMs. Further, it was decided that the Technical Specifications (TS) of the new Interface Energy Meters (IEMs) with Automatic Meter Reading (AMR) and Meter Data Processing (MDP) for Interstate transmission system (ISTS) may be prepared by Joint Committee comprising members from CEA, NPC, RPCs, CTU/PGCIL and POSOCO so that the Technical Specifications shall be followed on pan India basis.
- 8.2. The Joint Committee had five numbers of meetings (including one special meeting) on 05.02.2021, 14.04.2021, 16.07.2021, 10.11.2021 and 06.04.2022. The Joint Committee has finalized the Technical Specifications (TS) of the Interface Energy Meters (IEMs) with Automatic Meter Reading (AMR) and Meter Data Processing (MDP) for Interstate transmission system (ISTS) after due deliberation in the above meetings. The joint committee finalized the Technical Specification (TS) of “Interface Energy Meters, Automatic Meter Reading system and Meter Data Processing system” and was notified by CEA vide ref CEA-GO-14-24/6/2020-NPC Division/297-309 dated 06th July 2022. The technical specifications are available on NRPC website.
- 8.3. At present all Interface Energy Meters (IEM) at ISTS are owned by CTU, at Northern region around 2450 meters are installed at 367 locations. In view of the discussions and decisions taken in various meetings, CTU may share the road map of phase wise procurement and replacement of existing IEM with new 5-minute IEM in Northern region.

9. Non-compliance regarding reporting of change in CT/PT ratio by BBMB

- 9.1. It has been observed that at BBMB end if any CT/PT ratio is changed or other changes related to accounting meters are done then they are not timely informed to all concerned entities. This is leading to incorrect weekly accounting due to mismatch in input data. In this regard a letter has also been issued to Chief Engineer (TS) of BBMB regarding the changes done at BBMB stations without informing to NRLDC/Haryana which led to revision of the Haryana State drawl for the months of April'2022 & May'2022. Haryana SLDC has also taken up the matter with BBMB so to avoid such issues in future. The elements at BBMB end which were not intimated to NRLDC, which have resulted in discrepancies and revision of the Haryana State drawl for the month of April, 2022 and May, 2022 are as follows:

S.No	Element name	Discrepancy	Effectuated party and duration	issue identified	intimation to NRLDC
1	220/66kV 220kV ICT-1 at BBMB Ballabgarh	Sign change	Haryana, April, May 2022	mid May 2022	NO
2	400/220 kV ICT-2 at BBMB panipat	Ct ratio changed from 2400 to 3200	Haryana, April, May 2022	mid May 2022	NO
3	220/66kV 66kV ICT-3 at BBMB Ballabgarh	Sign change	Haryana, April 2022	End of April 2022	No
4	220/132kV ICT-2(132kV) at Hissar-BBMB	Sign Change	Haryana, May 2022	Mid June 2022	NO

- 9.2. BBMB may share the actions taken at their end to avoid such errors in Energy Accounting.
- 9.3. Further it's requested to use the portal <https://meterdiscrepancies.nrlc.in/> developed by NRLDC for sharing/communicating such changes (CT/PT ratio, Meter wrongly placed, sign change etc.) in addition to verbal / mail communication.

10. Cyber security in AMR servers

- 10.1. In Northern region, around 70%-meter data are being received through AMR system. A Webex meeting was organized between NRLDC/ POWERGRID/CTU on 11th May 2022 to discuss compliances of the cyber security requirement for the AMR system. Representative of POWERGRID agreed to comply with all the cyber security norms with respect to AMR system.
- 10.2. Multiple mails are being received from Department of Telecommunication regarding malicious communication reported for IPs belonging to AMR servers of Northern region (IPs 103.7.128.161 and 103.7.128.166) and the same are also being forwarded to POWERGRID with the request to take action at their end.
- 10.3. CTU/POWERGRID may share the actions taken at their end for avoiding such malicious communication for IPs belonging to AMR servers of Northern region.

11. Installation of IEM at Captive Power Plant, NFL & PSPCL Drawl Points (Small feeders)

- 11.1. NFL vide its letter reference no. NFL/NGL/Elect./609/2020/2196 dated 03.12.20 has intimated regarding commissioning of 20 MW Captive Power Plant and start up drawl consumption during pre-commissioning works. Presently NRLDC is calculating the drawl of Punjab and NFL based on the daily data received from BBMB Commercial. However, for energy accounting, it was proposed that interface meters of CTU Specifications shall be installed at NFL captive Power Plant and BBMB Load Point. NRLDC has raised the issue regarding installation of interface meters during 40th meeting of Commercial Sub Committee meeting held at NRPC on 12.09.2019. During the discussion, it was decided that the interface meters

will be installed by CTU at BBMB Load point and CT/CVT will be installed by NFL during AMC of Plant subsequently. However, no communication has been received from NFL in this regard.

- 11.2. A joint video-conferencing meeting with NFL, BBMB & Punjab with NRLDC was held on 25.08.2021. It was agreed by BBMB, NFL & PSPCL that they will do the internal meeting and will intimate feasibility of installation for Interface Energy Meter on small feeders (Gist of discussion held in the meeting is attached as **Annexure-11**).
- 11.3. PSPCL was requested to coordinate with CTU & NFL for installation of meters at their drawl points.
- 11.4. NFL may share the status of installation of CT/CVT at the yard along with the details of the meters.

12. Replacement/Rectification of faulty IEM meters & DCD

- 12.1. NRLDC is regularly taking up the issue for replacement / rectification of IEM & DCD in Commercial as well as NRPC board meeting. Written communication is also done with CTU for the same. CTU has to ensure that such rectification / replacement is carried out at the earliest to ensure proper Energy Accounting. The matter related to delay in replacement of faulty meters was also conveyed in the last meeting. However, it has been observed that in some cases CTU is taking more than months' time for meter replacement because of which NRLDC has to face problem during data validation and energy accounting.
- 12.2. As on date, the list of meters where corrective actions are required immediately already intimated in NRLDC's latest communication to POWERGRID (**Annexure-12**).
- 12.3. POWERGRID is requested to kindly ensure timely action for replacement/rectification of IEM and ensure availability of software/DCDs at all interface meter locations within a weeks' time after intimation by NRLDC.

13. Regular checking of Injection and Drawls of Utilities

- 13.1. NRLDC on weekly basis upload the actual injection and drawl of various utilities on <https://nrlcdc.in/commercial/sem-data>. As per point no. 36.2 of 33rd NRPC Commercial Sub-Committee meeting minutes dated 13th September, 2017, the "Procedure and Timelines for Freezing of Regulatory Accounts was issued by NRPC Secretariat. The necessary extract from the same is reproduced below:

[Quote]

"3. Any revision request of schedule data, meter/actual data, and data for bilateral exchange, LTA, MTOA, STOA etc. may be done within 15 days from the date of issuance of the account (D). After (D+15)th day, the data will be considered as final and after this date no revision of data will be accepted.

All Input data used in the preparation of accounts shall be frozen after (D+15)th day.

[Unquote]

- 13.2. All utilities are requested to cross verify their respective drawl and injection on regular basis. If any discrepancy is found then same may be intimated to NRLDC through portal <https://meterdiscrepancies.nrlc.in/> within 15 days.
- 13.3. Request for any revision in the energy accounting other than the portal submission shall not be considered by NRLDC.
- 13.4. All the concerned are requested to kindly make note of the above.

14. Status of DSM Charges

- 14.1. Deviation Pool Account Fund of NR is being maintained & operated by NRLDC, in accordance with the CERC Regulations. As per Regulations 10 (1) of "Deviation Charges Related matters" the payment of charges for Deviation shall have a high priority and the concerned constituents shall pay the indicated amounts within 10 days of issue of statement of Charges for Deviation including Additional Charges for Deviation by the Secretariat of the respective Regional Power Committee in to the "Regional Deviation Pool Account Fund" of the concern region.
- 14.2. DSM Charges payable to pool as on 16th Aug 2022 considering Week no-16 (11-07-2022 to 17-07-2022) is indicated here in below:

All figures in Rs. Lakhs

S. No.	Constituents	Outstanding Amount
1	JAMMU AND KASHMIR	15682.39
2	RENEW SOLAR URJA	6.37
3	AVAADA SUNCE	16.63
4	ACME CSEPL	28.95
5	Adani RERJL	19.41
6	RENEW SUN WAVES	3.06
7	RENEW JHARKHAND	7.44

Last payment of Rs.12. 87 Cr. was received from JKPCL against Deviation Charges on 05-08-2022.

- 14.3. As intimated by JKPCL the Outstanding payments of deviation charges upto 31-05-2022 is being settled on monthly instalment. Further, payment of dues from June 2022 may also be expedited at the earliest by JKPCL for smooth disbursement of pool accounts.
- 14.4. NRLDC also intimate the other constituents to pay the deviation charges within due date so as to disburse the same to receivable constituents.
- 14.5. Members may kindly deliberate.

15. Status of LC against Deviation Charges delayed payment

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

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

Provided that:

- (i) if any regional entity fails to make payment of Charges for Deviation including Additional Charges for Deviation by the time specified in these regulations during the current financial year, it shall be required to open a Letter of Credit equal to 110% of weekly outstanding liability in favour of respective Regional Load Despatch Centre within a fortnight from the due date of payment.
 - (ii) LC amount shall be increased to 110% of the payable weekly liability for Deviation in any week during the year, if it exceeds the previous LC amount by more than 50%.”
- 15.2. Details of Entities who have not opened the LC for default in payment to deviation pool account during FY 2021-22:

Sl. No.	Name of NR Pool members	No. of defaults in Deviation payment (21-22)	LC Amount (Rs. in Lakh)	Status of LC
1	Jammu and Kashmir	47	303.65	Not Opened
2	Ayana renewable One	10	48.47	Not Opened
3	Avaada Sunce	9	9.77	Not Opened
4	Renew Jal Urja	7	14.88	Not Opened
5	Avaada Rjhn	6	5.79	Not Opened
6	Mahindra Renewables	6	10.63	Not Opened
7	Uttar Pradesh	6	366.77	Not Opened
8	Acme Csepl	3	10.69	Not Opened
9	Renew Sun Bright	3	7.36	Not Opened
10	Renew Power	3	8.45	Not Opened
11	Azure Forty Three	2	21.82	Not Opened
12	Azure Power maple	2	42.82	Not Opened
13	Renew Solar Urja	2	28.39	Not Opened
14	Azure Power	1	9.16	Not Opened
15	Azure Forty One	1	9.39	Not Opened
16	Clean Solar Power	1	50.09	Not Opened
17	Renew Jharkhand	1	22.77	Not Opened
18	Uttarakhand	1	385.38	Not Opened

15.3. It is requested to all the entities to open the LC in line with the Regulation of CERC.

16. Reactive Energy charges status

16.1. Reactive Energy Charges status as on 16th Aug 2022 considering Week no-16 (11-07-2022 to 17-07-2022) is indicated here in below:

All figures in Rs. Lakhs

S. No	Constituents	Outstanding Amount
1	JAMMU & KASHMIR	1914.85

Last payment of Rs.1.85 Cr. was received from JKPCL against Reactive Energy Charges on 05-08-2022.

16.2. As intimated by JKPCL, the outstanding payments of reactive energy charges upto 31-05-2022 is being settled on monthly instalment. Further,

payment of dues from June 2022 may also be expedited at the earliest by JKPCL for smooth disbursement of pool accounts.

16.3. Members may kindly deliberate.

17. Congestion Charges

17.1. Congestion charge statement is being issued by NRPC. The amount received in the congestion charges account was disbursed to the receivable parties.

17.2. Outstanding amount against the entities payable to pool as on 16th July 2022 is indicated here in below:

All Figures in Rs.

SL. No.	Constituents	Total Outstanding (DPI FY 18-19)
1	Jammu & Kashmir	24179

No payments were received from JKPCL against Congestion Charges since 30-09-2021.

17.3. NRLDC is continuously pursuing & sending regular correspondence to JKPCL for settlement of the outstanding. JKPCL is requested to clear the long pending outstanding.

17.4. Members may please deliberate.

18. Reconciliation of Pool Accounts

18.1. A separate web portal **poolar.nrlDC.in** has been created in house for reconciliation of pool accounts and all the entities were provided with Username & Password to access the web portal to reconcile the accounts.

18.2. Monthly reconciliation statement of the pool accounts is being published through the web portal since April 2020. Reconciliation statement upto July 2022 has been uploaded in the portal.

18.3. Reconciliation of pool accounts by Delhi, Punjab & Haryana is pending since beginning of the portal.

18.4. In case, reconciliations are not done on time, the same would be considered as deemed reconciled.

18.5. All Members of these Pool Accounts are requested to reconcile the statement on monthly basis to avoid any dispute in future.

19. Status of Ancillary Services

- 19.1. All the RRAS & AGC Accounts issued up to week 17 of FY 22-23 has been settled.
- 19.2. For kind information of the members.

20. Submission of Bank Account details for Disbursement of payments of Pool Accounts

- 20.1. As per Sub proviso (3) of clause 10 of Central Electricity Regulatory Commission (Deviation Settlement Mechanism and related matters) Regulations, 2014, "All payments to the entities entitled to receive any amount on account of charges for Deviation shall be made within 2 working days of receipt of the payments in the "Regional Deviation Pool Account Fund" of the concerned region".
- 20.2. Even after several requests from NRLDC for submission of Bank Account details to Chandigarh & Railways for enabling electronic mode of payments from the pool accounts, the same is still awaited. As of now, the payment from various pool accounts is being made through cheque to Chandigarh & Railways.
- 20.3. Chandigarh & Railways are requested to submit the bank account details at the earliest for enabling electronic mode of payments from the pool accounts.

21. NRLDC Fee & Charges

- 21.1. NRLDC is raising RLDC Fees and Charges bills to all its users on monthly basis. These bills are also being E-mailed to all the users on the day of billing through Fees & Charges portal of POSOCO (<https://fc.posoco.in/FnCWeb>). The bills can also be downloaded from RLDC Fees and Charges portal. The users can directly make the payment on this portal and shall enter the payment details therein.
- 21.2. The status of outstanding amount against NRLDC Fee & Charges as on 16-08-2022 is as mentioned below:

Sl. No.	User Name	Amount in Rs Lakhs	Remarks
1	UT J&K	42.96	Mar-2022 to Jun-2022, FERV bill (2021-22) and surcharge bill of Qtr-1 2022-23
2	Delhi (NDMC)	7.67	Dec-2020 to Jan-2022, and FERV bill (2021-22)
3	KWHPS	4.98	Jun-22

Sl. No.	User Name	Amount in Rs Lakhs	Remarks
4	Delhi (BYPL)	3.57	FERV bill (2021-22)
5	Renew Solar Power Pvt Ltd, Bikaner (250MW)	2.03	FERV bill (2021-22), Jun-2022 and surcharge bill of Qtr-1 2022-23
6	RAPS-C	1.47	FERV bill (2021-22)
7	Fatehgarh Bhadla Transmission Limited	0.89	Jun-22
8	Mahindra Renewables Private Limited	0.61	FERV bill (2021-22)
9	Ayana Renewable Power One Private Limited, Bikaner	0.27	FERV bill (2021-22) and surcharge bill of Qtr-1 2022-23
10	Powergrid Varanasi Transmission System Limited	0.23	FERV bill (2021-22)
11	Haryana (HR Northern Railway)	0.09	FERV bill (2021-22)
12	NVVNL (SNA Nepal)	0.07	Jun-22
13	POWERGRID AJMER PHAGI TRANSMISSION LIMITED	0.05	FERV bill (2021-22) and surcharge bill of Qtr-1 2022-23
14	Renew Surya Ravi Private Limited Bikaner	0.05	FERV bill (2021-22) and surcharge bill of Qtr-1 2022-23
15	RAPP-7&8, NPCIL	0.02	FERV bill (2021-22)
16	Delhi (DL Northern Railway)	0.02	FERV bill (2021-22)
17	NRSS XXXVI Transmission Ltd.	0.01	June-22 and surcharge bill of Qtr-1 2022-23

21.3. Above users are requested to clear the outstanding at the earliest

22. Reconciliation of NRLDC Fees and Charges

22.1. Reconciliation statements of NRLDC Fees and Charges for Quarter-1 of F.Y. 2022-23 have been issued through the Fees and Charges web portal <https://fc.posoco.in/FnCWeb/#/landing> on 29.07.2022. Users are requested to download the same from “Reconciliation Dashboard” and upload the signed statement in the portal for reconciliation. The time line for uploading of signed statement was 13th Aug-2022. However, till date, only below listed users have uploaded the statement.

Sl. No.	Entities	Sl. No.	Entities
1	Avaada RJHN Private Limited Bikaner	8	HP Seller
2	Avaada Sunce Energy Private Limited Bikaner	9	Himachal Pradesh
3	Avaada Sustainable RJProject Private Limited Bikaner	10	Koteshwer HPS

4	Bhakra Complex	11	Tehri HPS
5	Dehar HEP	12	Singoli-Bhatwari HEP
6	Pong HEP	13	ACME Heergarh Powertech Private Limited
7	ADHPL	14	UT J&K

22.2. Entities are once again requested to verify and upload the duly signed Reconciliation statement as a normal practice in the F&C portal. In case of non-receipt of any communication within one week from the meeting, it will be presumed that statement stands reconciled.

23. Status of Reconciliation STOA charges as on 16.08.22

23.1. NRLDC has sent the reconciliation statement of open access disbursement for the Quarter-1 (01-04-22 to 30-06-22) of financial year 2022-23 on 28.07.22. The applicants/STU/SLDCs were requested to verify /check the reconciliation statement & comment if any on the same by 16.08.22.

23.2. Reconciliation statements regarding refund/disbursement of Open access charges is received from the following applicants/STU/SLDC:

S. No.	Name of the Applicant	Date of receiving the signed reconciliation statement
1	Telangana STU/SLDC	01.08.22
2	Uttarakhand STU/SLDC	03.08.22
3	Kreate Energy (I) Pvt Ltd	09.08.22
4	Thar Surya	10.08.22

23.3. List of utilities who have not submitted reconciled statement of STOA Disbursement for Q1 of FY 2022-23 is given below:

Applicants

- Arunachal Pradesh Power Corporation Pvt Ltd
- GMR Energy Trading Ltd
- Manikaran Power Ltd
- Sandhya Hydro Power Projects
- Tata Power TCL
- ITC Sheraton
- ITC MUGHAL
- HPPC

STU/SLDCs

- UP STU SLDC
- HP STU SLDC
- Haryana STU SLDC
- Jammu STU SLDC
- Manipur STU SLDC
- Rajasthan STU SLDC
- MP STU SLDC
- AP STU SLDC
- Delhi STU SLDC
- Bihar SLDC

- PXIL
- PTC
- Maharashtra STU
- Tamil Nadu STU SLDC
- West Bengal STU SLDC
- Karnataka STU SLDC
- Odisha STU SLDC

24. Status of Outstanding STOA Delay Payment Interest as on 16.08.22

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

24.2. The status of pending interest amount is as follows:

Name of the applicant	Month	Amount (Rs)
UPPCL	April-22, May-22	1067
ITC Mughal Sheraton	April-22	4907
Tata Power TCL	May-22, June-22&July-22	587820
GMR BAJOLI HOLI HYDROPOWER PVT LTD	May-22	1059
PXIL	April-22, May-22	6496
	Total	601349

Annexure-3**SJVN Outstanding as on 17.08.2022**

Sr. No.	Name of Beneficiary	Total Outstanding Amount (in Crore)
1	2	3
	<u>Hydro Projects (NJHPS & RHPS)</u>	
1	U.T. Chandigarh	5.27
2	BRPL (Delhi)	8.07
3	BYPL (Delhi)	5.24
4	TDDPL (Delhi)	6.34
5	HPPC (Haryana)	36.71
6	HPSEB Ltd. (HP)	17.38
7	Govt. of HP & a/c HPSEB (HP)	162.84
8	PDD J&K	647.05
9	PSPCL (Punjab)	80.26
10	UPPCL (UP)	139.79
11	UPCL (Uttaranchal)	22.81
12	Ajmer VVNL (Rajasthan)	14.83
13	Jaipur VVNL (Rajasthan)	21.66
14	Jodhpur VVNL (Rajasthan)	18.29
15	MPPMCL (Madhya Pradesh)	0.51
	<u>Total Hydro Projects (NJHPS & RHPS)</u>	1187.05

Annexure-6.1

Table-1					
Sl. No.	ISGS (Shared Project)	State in which plants is embedded	State other than UP whose entities have share in the plant	Share (In %)	Share (In MW)
1	Rihand Hydro	UP	MP	13.75	41.25
2	Matatila	UP	MP	45	13.75
3	Khara	UP	HP	20	14.4
4	Vishnu Prayag	UP	Uttarakhand	12	60
5	Alaknanda	UP	Uttarakhnad	12	40

Table-2					
Sl. No.	ISGS (central sector)	State in which plants is embedded	State other than UP whose entities have share in the plant	Share (In %)	Share (In MW)
1	NAPP (440MW)	UP	Chandigarh	2.27	9.99
			Delhi	10.68	46.99
			Haryana	6.36	27.98
			HP	3.18	13.99
			J&K	17.03	74.93
			Punjab	11.59	51.00
			Rajasthan	10	44.00
			Uttarakhand	5.58	24.55
2	TANDA-II (2x660MW)	UP	MP	0.24	1.06
			Chandigarh	0.505	6.67
			HP	0.140	1.85
			J&K	6.206	81.92
			Punjab	0.330	4.36
			Rajasthan	12.354	163.07
			Uttarakhand	3.062	40.42
			MP	0.160	2.11
	Gujrat	3.339	44.07		

Annexure-6.2**UPPTCL Comments on Agenda Item-9, deliberated in 44th Meeting of Commercial Sub-Committee of NRPC held on 14.02.2022**

Item-9 Applicability of Intra-State transmission charges (STU charges) for the capacity of generating units of ISGS embedded in state transmission system of Uttar Pradesh (UP).

9.1 The capacity of generating units of shared projects, as mentioned below in Table-1, and central sector generating project, as mentioned below in Table-2, is being handled only by transmission lines of UPPTCL.

Sl. No.	ISGS	State in which plants is embedded	State other than UP whose entities have share in the plant	Share (In %)	Share (In MW)
1	Rihand Hydro	UP	MP	13.75	41.25
2	Matatila	UP	MP	45	13.75
3	Khara	UP	HP	20	14.4
4	Vishnu Prayag	UP	Uttarakhand	12	60
5	Alaknanda	UP	Uttarakhand	12	40

Sl. No.	ISGS	State in which plants is embedded	State other than UP whose entities have share in the plant	Share (In %)	Share (In MW)
1	NAPP (440MW)	UP	Chandigarh	2.27	9.99
			Delhi	10.68	46.99
			Haryana	6.36	27.98
			HP	3.18	13.99
			J&K	17.03	74.93
			Punjab	11.59	51.00
			Rajasthan	10	44.00
			Uttarakhand	5.58	24.55
2	TANDA-II (2x660MW)	UP	MP	0.24	1.06
			Chandigarh	0.505	6.67
			HP	0.140	1.85
			J&K	6.206	81.92
			Punjab	0.330	4.36
			Rajasthan	12.354	163.07
			Uttarakhand	3.062	40.42
			MP	0.160	2.11
			Gujrat	3.339	44.07

9.2 Considering the evacuation of power from these generating units only by the Intra-State transmission system of UP and further delivery of share to other State beneficiaries through ISTS system, it is to apprise that in addition to ISTS Tr. charges, Intra-State Tr. Charges of UP are also

applicable. Therefore beneficiaries would also be liable for payment of same.

- 9.3** In this context, it is to inform that in case of Tanda Stage-II TPS (2x 660 MW), a central sector (NTPC) generating project, considering the inter-State long term transactions of the States other than UP on the basis of firm share, CTU have granted and regularized the inter-State LTA for the share (356.78 MW) of States other than UP vide LTA intimation C/CTU/N/07/1200000954 dated 17.01.2019 wherein it has been also intimated that in addition to applicable ISTS charges, NTPC/beneficiaries would also be liable for payment of Intra-State transmission charges of UP, as applicable. Accordingly, States other than UP whose entities have share in Tanda Stage-II TPS are paying Intra-State transmission charges of UP to UPSTU.
- 9.4** In view, States other than UP should be liable for payment of Intra-state transmission charge of UP for their share in such ISGS other than Tanda Stage-II as mentioned in Table-1 & 2. Members may be agreed for the same.
- 9.5** Further, LTA intimation in such cases may be issued by CTU for procedural modalities considering the regularization of these deemed inter-State LTA. ***In this context, the details of UPPTCL lines for evacuation of power from these ISGS are mentioned as under-***

Sl. No.	UPPTCL lines for evacuation	Commissioned on
A	Rihand Hydro (UPJVNL)	
1	Rihand HEP – Robertsganj 132 DC line	1961-62
2	Rihand HEP – Kanaria Chemical CPP 132 kV SC line	1964
3	Rihand HEP – Hindalco CPP 132 kV DC line	*Hindalco lines
4	Rihand HEP – Hindalco CPP 132 kV SC line	*Hindalco lines
5	Rihand HEP- ObraHEP 132 kV DC line	1966
6	Rihand- Sonenagar 132 kV DC line	BSEB lines later On • I ckt LILO at Nagar Untari • II ckt LILO at Garwa
7	Rihand HEP – Obra Therma 132 kV SC line	1979
8	Rihand HEP- NTPC (Singrauli) 132 kV SC line	1982 later on LILO at Renusagar (Hindalco CPP)
9	Rihand HEP- Anpara 132 DC line	1986-87
10	Rihand HEP- Hitech Carbon 132 kV SC line	2011
B	Matatila (UPJVNL)	
1	Matatila HEP- Hasari 66 kV DC line	1965-66 to 66kV bus at 132 kV Hasari (Jhansi)
2	Matatila HEP- Roda 66 kV SC line	1965-66 to 66kV bus at 132 kV Roda (Lalitpur)
C	Khara (UPJVNL)	
1	Khara- Saharanpur(UP) 220 kV SC line	1992-93
2	Khara- Shamli (UP) 220 kV SC line	1992-93

3	LILO of Khara- Saharanpur(UP) 220 kV SC line at Behat (UP) S/S	2013
4	LILO of Khara- Shamli (UP) 220 kV SC line at Saharanpur (PG) S/S	2018
D	Vishnu Prayag (JPVL)	
1	VishnuPrayag – Muzaffarnagar(UP)-I 400 kV SC line	2006
2	VishnuPrayag – Muzaffarnagar(UP)-I I 400 kV SC line	2006
E	Alaknanda/ Srinagar HEP (AHPCL, a GVK group Company)	
1	LILO of VishnuPrayag – Muzaffarnagar(UP)-I I 400 kV SC line at Srinagar HEP	2014
2	Srinagar HEP- Srinagar (PTCUL) pooling s/s, 400 kV DC line	PTCUL lines

For legacy shared project, it is to apprise that since 01.04.2007 i.e. creation of Uttar Pradesh Power Transmission Corporation Limited (UPPTCL) from UPPCL, the applicability of energy charges and transmission charges separately exist. The beneficiaries are regularly paying energy charges to UPSEB/UPPCL later on to UPJVNL while transmission charges is not being paid by the beneficiaries other than U.P for their share in the legacy shared project since 01.04.2007.

Therefore in case of legacy shared project as mentioned in Table-1 above, beneficiaries other than UP should also be liable for payment of transmission charges of Intra-State transmission system since 01.04.2007.

It is also to mention that in case of Alaknanda/Srinagar HEP, as per discussion in meeting held on 04.09.2008 at CEA, New Delhi among Member(PS) CEA, MD (UPPCL) and MD (PTCUL), It was agreed that there is neither requirement of seeking open access nor payment of charges by either parties.

F	NAPP (NPCIL)	
1	Harduaganj TPS- NAPP Narora 220 kV SC line	1991-92
2	Muradabad(UP)- NAPP Narora 220 kV SC line	1991-92
3	Kurja (UP)- NAPP Narora 220 kV DC line	1991-92
4	Simbhaul(UP)- NAPP Narora 220 kV SC line	1991-92
5	LILO of Harduaganj TPS- NAPP Narora 220 kV SC line at Atrauli (UP) S/s	2006
6	LILO of Muradabad(UP)- NAPP Narora 220 kV SC line at Sambhal (UP) S/s	2010
7	LILO of I Ckt of Kurja (UP)- NAPP Narora 220 kV DC line at Debai (UP) S/s	2015

In case of NAPP, prior to implementation of POC mechanism, PGCIL were sharing the transmission charges with UP which were being recovered by PGCIL for energy transmitted by the UPPTCL for NAPP. In this regard, it is also to mention that due to consideration of incidental ISTS flow in these lines, there is mechanisms for inclusion of the associated lines of such ISGS in the PoC Charges (ISTS

charges) which should not be construed as non applicability of intra-State transmission charges of UP.

The beneficiaries, embedded in the U.P. state transmission network, are also paying intra-State transmission charges for state transmission network including such lines. While the beneficiaries embedded in the other state are not paying intra-State transmission charges for State transmission network including such lines.

It is also apprised that the charges recovered for such lines through PoC mechanism is also adjusted in UPPTCL's ARR by State commission.

In this matter, CERC order dated 12.05.2017 (07/SM/2017) as stated here under may also be referred to-

7. Further, Statement of Reason (SOR) dated 26.10.2015 of Sharing Regulations (Third Amendment) provides as follows:-

"15.21 A question arises for consideration is whether to fix a minimum percentage figure to consider a STU line as an ISTS line or not. As per Electricity Act and Tariff Policy, all lines which are incidental to Inter-state flow of power are to be considered as ISTS. In a meshed transmission system, many intra-State transmission lines carry inter-State power and therefore become incidental to inter-State transmission system. However, as Electricity Grid is being operated in a cooperative manner, for a minor fraction of ISTS power, it is expected that STU would not insist on considering its line(s) to be interstate as on the one hand it will receive payment for its own lines, on the other it has to pay for usage of other States' lines. If a STU puts up a proposal for considering its line as ISTS and it is found that it is being utilized to a large extent by its own drawee nodes, then it would be merely an academic exercise as major part of tariff would be allocated to home State only. So keeping in view the regulatory process involved in getting a line certified as carrying ISTS power, getting its tariff approved and then adjustment from STU's ARR, it is expected that this claim will be raised judiciously. An interesting situation happened during 2011 when in Eastern and Northern Regions, many lines were submitted to RPCs for approval as ISTS, Southern States realizing that they all are using each other State's line, decided that they will not put up any line for certification by RPC as ISTS. While Commission wants to consider legitimate claims but this must not result in making process too complex. The RPC may therefore uniformly decide a percentage below which (say 10%) such a line would not be considered as an ISTS. Further, it is intended that for assessment of a particular line being used for carrying inter-State power, technical knowhow and tools will be provided by Secretariat of RPCs and NLDC/ RLDCs shall provide all necessary support to States in this regard.

Accordingly, it can be concluded that recovery of charges for such lines through ISTS charges (PoC mechanism) made to a large extent only through drawee nodes of UP i.e burden of such lines in payable ISTS charges only on the beneficiaries embedded in the U.P. state transmission network, not on the beneficiaries embedded in the other state.

In view of above, beneficiary other than UP should also pay the intra-State Transmission charges of UP for such ISGS for their long term access of state transmission system (InSTS) in addition to inter-state transmission system (ISTS).

Annexure-11

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(भारत सरकार का उद्यम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Govt. of India Enterprise)



उत्तरी क्षेत्रीय भार प्रेशण केन्द्र / NORTHERN REGIONAL LOAD DESPATCH CENTRE
कार्यालय : 18-ए, शहीद जीत सिंह सनसनवाल मार्ग, कटवारिया सराय, नई दिल्ली- 110016
OFFICE : 18-A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi- 110016
CIN : U40105DL2009GOI188682, Website : www.nrldc.org, www.nrldc.in, Tel.: 011- 26519406, 26523869, Fax : 011- 26852747

NRLDC/MO/

Date: 8th September 2021

To,

Members of meeting

Subject: Minutes of Meeting for issues related to Interface Energy Metering with NRLDC, BBMB, PSTCL & NFL on 25.08.2021

Dear Sir,

A meeting related to Interface Energy Metering was held on 25.08.2021 via WebEx video conferencing. In this meeting members from BBMB, PSTCL,POWEGRID & NFL were present. (The list of participants/members are attached at Annexure-II). Minutes of the meeting is attached at Annexure-1.

Thanking you,

Yours faithfully,

(Somara Lakra)
Sr. GM (Market Operation)

Copy for kind information:

1. CGM (I/C), NRLDC, New Delhi

1. Timely availability of IEM meters data by Tuesday Noon:

Sub-proviso (21) of proviso 4 of Regulation 6 of CERC (Indian Electricity Grid Code) Regulations, 2010 provides that “... All concerned entities (in whose premises the Special Energy Meters are installed) shall take weekly meter readings and transmit them to the respective RLDC by Tuesday noon. It must be ensured that the meter data from all installations within their control area are transmitted to the RLDC within the above schedule” **However, it is observed that Special Energy Meter data (SEM) from some locations are frequently not received on time in accordance with IEGC provisions.** Status of interface meter data whose date for the week of 010821-080821 were not received by Tuesday (10.08.21) are detailed at [Annexure-A](#).

It was confirmed by BBMB, PSTCL & SLDC Punjab in the meeting that they have noted down the same and will take necessary action for timely compliance of the same.

2. Time Drift correction of IEM meters:

NRLDC publishes list of meters where time drift is suspected (based on frequency code difference from reference meter) for time correction in the discrepancy report on a weekly basis. However, the actual times drift for all meter on weekly basis is required to be checked by all utilities in whose premises the meter is installed and whenever time drift is near 1-minute, necessary time correction is required to be done. Further, the time drift correction report may be submitted on monthly basis as per the format attached at [Annexure-B](#). Please send the soft copy of Time Correction Report at least once in a month .Email Id: nrldcos@yahoo.com and nrldcos@hotmail.com .

It was confirmed by BBMB, PSTCL & SLDC Punjab in the meeting that they have noted down the same and will take necessary action for timely compliance of the same

3. Healthiness of Interface Energy meter /DCD/CT & PT connection & software etc.:

It has also been observed that while sending the data many issues are observed in last minutes, therefore It is therefore requested that checking of the healthiness of DCD/Cables, Interface Energy Meter, CT & PT connection and functioning of data dumping software etc. for meter data transmission shall be monitored periodically.

It was confirmed by BBMB, PSTCL & SLDC Punjab in the meeting that they will take necessary action for compliance of the same



Neeraj Kumar
Sr DGM,NRLDC

4. Installation of Interface Energy Meter(IEM) on small feeders:

For computation of drawl for Punjab /Haryana/UT Chandigarh from BBMB we are using the small feeders data. These data(taken from their own conventional energy meter) are sent manually in excel format *and no Interface Energy Meter is installed*. It is also found that number of time request for revision of the account on these small feeders are desired by BBMB/NFL etc . Energy account has to be checked and verified regularly every week by the concerned utilities. (Available for download at <https://nrlc.in/commercial/sem-data/>).

For smooth energy accounting of the same it is proposed that Interface Energy Meter may be installed on these feeders. Details of such feeders are attached at [Annexure-C](#).

It was confirmed by BBMB, PSTCL & SLDC in the meeting that they will check the small feeder list and formulae used for computation and will revert.

5. Nomination of two Nos. Nodal officer:

It is observed that Interface Energy Meter from some locations are frequently not received on time in accordance with IEGC provisions. For addressing the above issues nodal officers from all the concerned utilities are required. This issue is being raised constantly in earlier Commercial Sub-Committee Meetings (*42nd meeting of Commercial Sub-committee - 20.05.2020*) and *TCC/NRPC meeting (45th TCC meeting-27th & 28th August 2020 & 48th NRPC Meeting -2nd September 2020)* and it was advised by forum to submit the name of nodal officer. In Northern Region, there are around 320 locations including substations and generation stations of different Utilities. For the issues related with Interface Energy Metering and accounting, it is requested from all utilities/generating stations to nominate two nodal officer with contact no. and email id in the attached format at [Annexure-D](#).

BBMB representative have already communicated the list of nodal officer .SLDC Punjab & NFL representative have informed in the meeting that they will communicate to NRLDC.

6. Installation of IEM at NFL:

Presently NRLDC is calculating the drawl of Punjab and NFL based on the daily data received from BBMB Commercial. As per the attached SLD in [Annexure-E](#), 2 Nos GTG is commissioned at 66 kV Bus. Further it was proposed that new interface meters of CTU specifications may be installed on 66 kV side of GTG incomer-1 & 2 and at 66 kV side of Punjab feeder-1 & 2 and on 66 kV side of NFL load feeder .The same was also proposed in the para 34.3 of 40th of CSC meeting of NRPC dtd 12.09.2019.([Annexure-F](#)).



Neeraj Kumar
Sr DGM,NRLDC

It was obvious from the discussion held in the fora NFL will coordinate with PSPCL for installation of SEM/IEM on Two No GTG Incomer, Two No Punjab feeder and will install one No SEM/IEM on its own drawl feeder.

The issue was deliberated at length in the meeting and finally It was communicated by PSPCL that they will take proper approval from Competent authority for installation of Interface Energy Meter. However, NFL told that they have to check the burden and spare metering core on CT/PT .Both NFL & PSPCL have told that they will do internal meeting and intimate status of feasibility for installation of Interface Energy Meter to NRLDC within one month..

7. Incorrect Recording of Meters at BBMB stations :

It has been observed that LV side of ICT-1,2&3 of Ballabgarh BBMB is reading less and LV side of ICT-1 at Hisar BBMB read less. It is requested to get its CT/PT supply checked to avoid any commercial issues in energy accounting. NRLDC vide email dated 25.06.21 has intimated BBMB regarding above discrepancy but it has not been resolved till now.

It was confirmed by BBMB in the meeting that they will check the same and will revert.



Neeraj Kumar
Sr DGM, NRLDC

Name of the Substation/generating Station: _____

S.No	Meter No.	Name of the feeder	Date	Time in GPS	Time in Interface Energy Meter	Time Drift	Action Taken Advance/Retard



Neeraj Kumar
Sr DGM,NRLDC

Annexure-B

Details of Interface Energy Meters whose data for the week of 020821-080821 were not received by Tuesday (10.08.21)					
Sl.No	Utility Name /Responsibility	Sub-Stn/Gen Stn.Name	Installed on Feeder	Loc. Code	Meter No
1	BBMB	Bhakra Left Bank	GT-3(220 kV)	BH-03	NP-1374-A
2	BBMB	Bhakra Left Bank	GT-3(220 kV)	BH-33	NP-3094-A
3	BBMB	Bhakra Left Bank	66 kV NFF-2	BH-10	NP-1849-A
4	BBMB	Bhakra Left Bank	66 kV PACL	BH-11	NP-1377-A
5	BBMB	Bhakra Left Bank	ICT(66 kV)	BH-08	NP-1383-A
6	BBMB	Bhakra Right Bank	GT-9(220 kV)	BH-18	NP-1628-A
7	BBMB	Ganguwal HPS	GT-1(132 kV)	GW-01	NP-1387-A
8	BBMB	Pong HPS	GT-2(220 kV)	PN-02	NP-1673-A
9	BBMB	Pong HPS	Aux. Trans.-2(66 kV)	PN-08	NP-1631-A
10	BBMB	Pong HPS	220 kV Jessore	PN-23	NP-3140-A
11	BBMB	Panipat-BBMB	220kV Dhulkote-2	BB-13	NR-3234-A
12	BBMB	Hissar-BBMB	220/132kV ICT-3(132kV)	BB-22	NP-1335-A
13	BBMB	Bhiwani-BBMB	220kV Bhiwani(HVFN)-1	BB-44	NR-3651-A
14	BBMB	Kurukshetra-BBMB	220/132kV ICT-2(132kV)	BB-61	NP-1433-A
15	BBMB	Rohtak Road-BBMB	66kV Gurgaon-1	HR-05	NP-1224-A
16	BBMB	Rohtak Road-BBMB	66kV Gurgaon-2	HR-06	NP-5013-A
17	BBMB	Rohtak Road-BBMB	66kV Gurgaon-1	HR-09	NP-8238-A
18	BBMB	Rohtak Road-BBMB	66kV Gurgaon-2	HR-10	NP-5195-A
19	BBMB	Rohtak Road-BBMB	33kV Bahadurgarh	HR-12	NR-3914-A
20	BBMB	Jalandhar-BBMB	220/132kV ICT-2 (220kV)	PU-70	NP-1653-A
21	BBMB	Jalandhar-BBMB	220kV Pong-2	PU-20	NP-5464-A
22	BBMB	Sangrur-BBMB	220/66kV ICT-2(66kV)	PU-26	NP-8846-A
23	BBMB	Kishangarh Chandigarh-BBMB	66kV Pinjore-1	CH-19	NP-1426-A
24	BBMB	IT Park Chandigarh-BBMB	66kV Pinjore-2/Mansadevi	CH-20	NP-1427-A
25	Punjab	Ranjitsagar HPS-PSEB (sARNA-1)	220 kV Hiranagar-1	PU-78	NP-1816-A
26	Punjab	Ranjitsagar HPS-PSEB (sARNA-2)	220 kV Hiranagar-2	PU-79	NP-1817-A



Neeraj Kumar
Sr DGM,NRLDC

**Existing Formulae: IW-91 (BBMB Irrigation Wing consumption) =
(EH-05+EP-03+EP-07+IB-01+IP-01)**

Sl.No	Code	Details of small feeders	Remarks
1	EH-05	Irrigation wing consumption at Dehar from HP	<i>No Interface Energy Meter installed on the feeders. Readings are being supplied on weekly /monthly basis by BBMB in excel format.(Taken from their own conventional Energy Meters)</i>
2	EP-03	Irrigation wing consumption at Bhakra from Punjab	
3	EP-07	Irrigation wing consumption at Pong/Talwara from Punjab	
4	IB-01	Irrigation Wing consumption at Bhakra from Plant itself	
5	IP-01	Irrigation wing consumption at Pong from the plant itself	

Existing Formulae: NF-01 (Drawl of NFL at Bhakra) = (BH-09+BH-10-EN-01)

Sl.No	Code	Details of small feeders	Remarks
1	BH-09	66 kV NFF-1 at Bhakra Left Bank	CTU meter
2	BH-10	66 kV NFF-2 at Bhakra Left Bank	CTU meter
3	EN-01	NFL Consumption from Punjab (Presently included in Punjab Drawl	<i>No Interface Energy Meter installed on the feeders. Readings are being supplied on weekly basis by BBMB/NFL in excel format.(Taken from their own conventional PSPCL Energy Meters)</i>



Neeraj Kumar
Sr DGM,NRLDC

Proposed Formulae by NFL after installation of IEM at NFL

NFL consumption from Grid =66 kV NFF-1 at Bhakra Left Bank +66 kV NFF-2 at Bhakra Left Bank- (66kV side of 66/11 kV NFL expan.-1 +66kV side of 66/11 kV NFL expan.-2)-(66 kV side GTG Incomer-1+66 kV side GTG Incomer-2)

Proposed Formula for Punjab Drawl after installation of IEM at NFL EN-01= (66kV side of 66/11 kV NFL expan.-1 +66kV side of 66/11 kV NFL expan.-2)+(66 kV side GTG Incomer-1+66 kV side GTG Incomer-2)

Small Feeder Data used in Punjab Drawl

PB-02= (EP-02 -EP-01-EP-03-EP-07+EN-01)

Sl.No	Code	Details of small feeders	Remarks
1	EP-02	11 kV Ganguwal-Anandpur Sahib& ASHP	<i>No Interface Energy Meter installed on the feeders. Readings are being supplied on weekly /monthly basis by BBMB in excel format.(Taken from their own conventional Energy Meters</i>
2	EP-01	11 kV Kotla-Kiratpur Sahib /11 KV Kotla Nakkian	
3	EP-03	Irrigation wing consumption at Bhakra from Punjab	
4	EP-07	Irrigation wing consumption at Pong/Talwara from Punjab	
5	EN-01	NFL Consumption from Punjab (Presently included in Punjab Drawl	



Neeraj Kumar
Sr DGM,NRLDC

Small Feeder Data used in H.P. Drawl

HP= (EH-01-EH-05)

Sl.No	Code	Details of small feeders	Remarks
1	EH-01	11 kV Ganguwal-Nainadevi	<i>No Interface Energy Meter installed on the feeders.</i>
2	EH-05	Irrigation wing consumption at Dehar from HP	Readings are being supplied on weekly /monthly basis by BBMB in excel format.(Taken from their own conventional Energy Meters



Neeraj Kumar
Sr DGM,NRLDC

Name of Utility / Generating Station-- _____

Details of nodal officer for issues related with Interface Energy Metering and DCD					
Sl. No	Name of Nodal officer	Designation	Postal Address	E mail Address	Contact No
1.					
2.					

Note: If there is any change in the name of Nodal officer, the same may be again intimated to NRLDC in the above format.



Neeraj Kumar
Sr DGM, NRLDC

Annexure-II

List of Participants/Members present in the meeting on dtd 25.08.2021 between M/s BBMB,CTU,POWERGRID , Punjab & NRLDC					
Sl. No	Name of Memebers (Sh.)	Company/Utility	Designation	Email id	Mobile No
1	Johnson Oram	NFL	Chief Manager	johnsonoram@nfl.co.in	9812010646
2	Abhishek Gupta	NFL	Sr. Manager	abhishek.gupta@nfl.co.in	6280754605
3	RK Bali	NFL	Manager	rkbali@nfl.co.in	7086045690
4	Er. Pooja Gupta	BBMB, Chandigarh	Addl. SE, Commercial	dydcom@bbmb.nic.in	7589073743
5	Er. Sanjay Sidana	BBMB, Chandigarh	Assistant Director, Commercial	adcomm@bbmb.nic.in	9417210761
6	Akshay Garg	SLDC ,Patiala ,Punjab	Addl. SE/Operation	ase-sldcop@pstcl.org	9646118014
7	Engineer Iqbal Singh	PSPCL ,Patiala ,Punjab	Addl. SE - PP&R	ceprpspcl@gmail.com	
8	Harvinder Singh	PSPCL ,Nangal/Ropar ,Punjab	Addl. SE, Operation	xenanandpursahib@yahoo.com	
9	Sukhbinder Singh	PSPCL ,Nangal/Ropar ,Punjab	AE, Operation	aee-ds-nangal@pspcl.in	
10	Sachin Panwar	NRLDC	Engineer	sachin.panwar@posoco.in	9971110622
11	Arun Kumar Singh	NRLDC	Manager	arun.kumar@posoco.in	9729872410
12	Neeraj Kumar	NRLDC	Sr. DGM	neeraj.kumar@posoco.in	9910907949
13	Somara Lakra	NRLDC	Sr GM	somara.lakra@posoco.in	9910953317
14.	Jagat Ram	NRTS2,POWERGRID	Sr.DGM		



Neeraj Kumar
Sr DGM,NRLDC



एन एफ एल
फोन नं. 01887-220541
एसटीडीकोडनं 01887
ईपीएबीएक्सनं. - 220570
वेबसाइट-नेशनलफर्टिलाइजर्स लिमिटेड
ईमेल: johnsonoram@nfl.co.in
मो. नंबर: 9812010646

नेशनल फर्टिलाइजर्स लिमिटेड
(भारत सरकारका उपक्रम)

नंगल इकाई, नया नंगल 140126 (पंजाब)
NATIONAL FERTILIZERS LIMITED
(A GOVERNMENT OF INDIA UNDERTAKING)
NANGAL UNIT, NAYA NANGAL (PUNJAB) 140126
(An ISO-9001:2015, ISO-14001:2015 & OHSAS-45001:2018 Unit)



एक कदम स्वच्छता की ओर
FAX: 01887-220541
STD No. 01887
EPABX No. 220570
Website: nationalfertilizers.com
Email: johnsonoram@nfl.co.in
Mob No: 9812010646

Ref. No.-NFL/NGL/Elect/R&S/2021/ 451

Reg. Post



To,
Sr. Dy. General Manager
NRLDC, New Delhi

Sub: - Regarding installation of Interface Energy meters (SEM meters).

Dear Sir,

This is in reference to Minutes of Meeting (on dated 25.08.2021) agenda related to Interface Energy metering at NFL Nangal. In this regard, M/s PSPCL has been communicated vide letter ref. no. NFL/NGL/Elect/2021/R&S/404, dated:02.09.2021 (copy attached), in which 66KV metering CT's/PT's specifications are mentioned, and it is confirmed that second spare metering cores of all metering CT's/PT's are available.

Further, a Proposed SLD is submitted to PSPCL by remarking additional SEM meter installations (as per NRLDC) with red ink for their reference (copy attached) along with letter ref. no. NFL/NGL/Elect/2021/R&S/440, dated 21.09.2021 (copy attached).

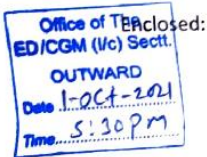
In this regard, reply from PSPCL is still awaited. NFL is trying to expedite the case with PSPCL, meanwhile NRLDC may also take up the matter with PSPCL for early approval for installation of SEM meters.

On behalf of National Fertilizers Ltd.

Jonson Oram
Chief Manager (Elect.)

जाँस्यद
29/09/2021

Sr. Dy. Genl. Mgr
29/09/2021
11/10/21
A Sr. Dy. Genl. Mgr
Send a letter to PSPCL
Copy to PSPCL



1. Scan copy of PSPCL letter ref. no. NFL/NGL/Elect/2021/R&S/404, dated 02.09.2021.
2. Scan copy of PSPCL letter ref. no. NFL/NGL/Elect/2021/R&S/440, dated 21.09.2021.
3. Scan copy of Proposed SLD.

कारपोरेट कार्यालय : ए-11, सेक्टर 24, नोएडा, गौतम बुद्ध नगर, उत्तर प्रदेश पिन 201 301 ☎ : 0120-2412294, 2412445 एवं 3092201 से 08 फ़ैक्स 2412397
CORPORATE OFFICE : A-11, SECTOR 24, NOIDA, GAUTAM BUDDH NAGAR (UP) - 201 301, ☎ : 0120-2412294, 2412445 & 309221 to 08, FAX : 2412397
रजि. कार्यालय : स्कोपकॉम्प्लेक्स, कोर-III, 7, इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली : 110 003, ☎ : 011-24360066, फ़ैक्स 24361553, सीआइएन 81.74899DI.1974G01007417
REGD. OFFICE : SCOPE COMPLEX, CORE-III, 7 INSTITUTE AREA, LODHI ROAD, NEW DELHI - 110 003, ☎ : 011-24360066, FAX: 24361553, C I N: 8174899DI.1974G01007417
Website: www.nationalfertilizers.com



फैक्स-01887-220541
एसटीडीकोडनं. 01887
ईपीएवीएक्सनं. -220570
वेबसाइट-नेशनलफर्टिलाइजर्स कॉम
ईमेल: johnsonoram@nfl.co.in
मो. नं. 9812010646

नेशनल फर्टिलाइजर्स लिमिटेड
(भारत सरकार का उपक्रम)
नंगल इकाई, नया नंगल 140126 (पंजाब)
NATIONAL FERTILIZERS LIMITED
(A GOVERNMENT OF INDIA UNDERTAKING)
NANGAL UNIT, NAYA NANGAL (PUNJAB) 140 126
(An ISO-9001:2015, ISO-14001:2015 & OHSAS-45001:2018 Unit)
GST No 03AAACN0189N2ZD



FAX: 01887-220541
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Email: johnsonoram@nfl.co.in
Mob.no. 9812010646

Ref. no.: NFL/NGL/Elect/2021/R&S/ 440

Date:-21.09.2021

To
Sbb Divisional Officer
PSPCL, Nangal

Subject: Regarding 66KV CT's/PT's for installation of interface energy meters (SEM meter) for NRLDC at NFL Nangal.

Dear Sir,

This is in continuation to letter ref. no: NFL/NGL/Elect/2021/R&S/404, dated:02.09.2021, in which 66KV metering CT's/PT's specifications are mentioned, and in reference to the WebEx conferencing organized by NRLDC on 25th August 2021. NFL was asked to check the burden and spare metering core on already installed CT's/PT's. It is confirmed that second spare metering cores of all metering CT's/PT's are available and can be used for installation of additional SEM meters by CTU.

In this regard, proposed SLD is prepared by remarking additional SEM meter installations (as per NRLDC) with red ink for your ready reference.

You are requested to give your consent for installation of interface energy meters (SEM meters) on above mentioned feeder as per proposed SLD, so that the status may be intimated to NRLDC.

Yours faithfully,
For National Fertilizers Limited, Nangal

22/9/21

जोन्सन
21/09/2021
(Jonson Oram)
Chief Manager (Elect.)

Encl:

1. Copy of letter ref. no: NFL/NGL/Elect/2021/R&S/404, dated: 02.09.2021.
2. Copy of NRLDC latter ref. no. NRLDC/MO, dated: 08.03.2021.
3. Proposal for installation of SEM meters by CTU mentioned power drawl points (NRLDC latter).
4. Copy of Proposed SLD showing additional SEM meter (NRLDC requirement), Annexure-1.



फैक्स-01887-220541
एस्टीमेटिंग/कोडिंग- 01887
ईपीएबीएक्स-220570
वेबसाइट-नेशनलफर्टिलाइजर्स.कॉम
ईमेल: johnsonoram@nfl.co.in
मो. नं. 9812010646

नेशनल फर्टिलाइजर्स लिमिटेड

(भारत सरकार का उपक्रम)

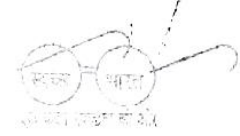
नंगल इकाई, नया नंगल 140126 (पंजाब)

NATIONAL FERTILIZERS LIMITED

(A GOVERNMENT OF INDIA UNDERTAKING)

NANGAL UNIT, NAYA NANGAL(PUNJAB) 140 126
(An ISO-9001:2015, ISO-14001:2015 & OHSAS-45001:2018 Unit)

GST No 03AAACN0189N2ZD



FAX: 01887-220541
STD No. 01887
EPABX No. 220570
Website : nationalfertilizers.com
Email: johnsonoram@nfl.co.in
Mob.no. 9812010646

Ref. no.: NFL/NGL/Elect/2021/R&S/ 404

Date:-02.09.2021

To
SDO,
PSPCL, Nangal.

Sub: - Regarding 66 KV CTs/PTs for installation of interface energy meters (SEM meter) for NRLDC at NFL Nangal.

Dear Sir

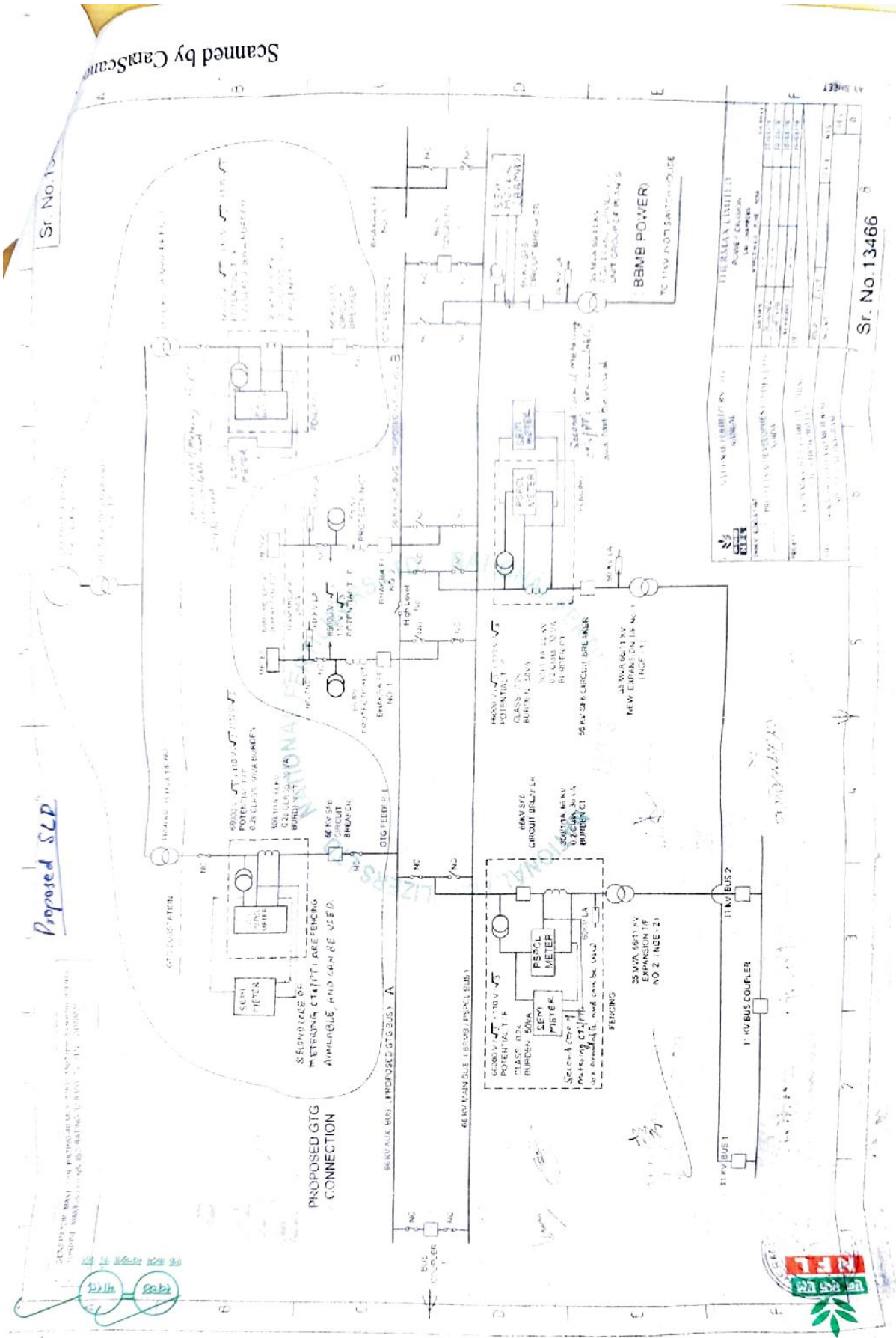
This is in reference to the WebEx conferencing organized by NRLDC on 25th August 2021. NFL was asked to check the burden and spare metering core on CT/PT. Please find below the metering 66KV metering specifications installed at our 66KV switchyard:

66KV Metering CT, PT detail at NFL Nangal										
Feeder	CT specifications					PT specifications				
	Make	Burden	Core 1	Core 2	Accuracy Class	Make	Burden	Core1	Core2	Accuracy Class
NGE1	AE	30VA	300/1	300/1	0.2	AE	50VA	(66KV/√3) / (110V/√3)	(66KV/√3) / (110V/√3)	0.2
NGE2	MEHRU	30VA	300/1	300/1	0.2S	MEHRU	50VA	(66KV/√3) / (110V/√3)	(66KV/√3) / (110V/√3)	0.2
GTG1	MEHRU	30VA	300/1	300/1	0.2S	MEHRU	50VA	(66KV/√3) / (110V/√3)	(66KV/√3) / (110V/√3)	0.2
GTG2	MEHRU	30VA	300/1	300/1	0.2S	MEHRU	50VA	(66KV/√3) / (110V/√3)	(66KV/√3) / (110V/√3)	0.2

You are requested to give your consent either to use your metering core or spare core for installation of interface energy meters (SEM meter) on above mentioned feeders as deliberated in the WebEx Conference, so that the status may be intimated to NRLDC in schedule time.

Yours faithfully,
For National Fertilizers Limited, Nangal


02/09/21
(Jonson Oram)
Chief Manager (Elect.)



Sr. No. 13466

Proposed SLD

Prithi
Gobin

Sl. No.	Description	Quantity	Unit	Remarks
1
2
3
4
5

Sr. No. 13466

Prithi
Gobin

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(भारत सरकार का उद्यम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Govt. of India Enterprise)



उत्तरी क्षेत्रीय मार प्रेशण केन्द्र / NORTHERN REGIONAL LOAD DESPATCH CENTRE
कार्यालय : 18-ए, शहीद जीत सिंह सनसनवाल मार्ग, कटवारिया सराय, नई दिल्ली- 110016
OFFICE : 18-A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi- 110016
CIN : U40105DL2009GOI188682, Website : www.nrlc.org, www.nrlc.in, Tel.: 011- 26519406, 26523869, Fax : 011- 26852747

NRLDC/MO/

Date: 7th October 2021

To,
Dy Chief Engineer
PSPCL, Ropar

Subject: Regd. Installation of Interface Energy Metering on 66 kV feeders at NFL, Nangal.

Kind Attention: S. S. Sehmbi

Dear Sir,

This is in reference to NFL letter No NFL/NGL/ELECT/R&S/2021/404 dtd 02.09.2021 and NFL/NGL/ELECT/R&S/2021/440 dtd 21.09.2021. NFL has confirmed vide their letter that second metering core of all metering CT's/PT's are available and can be used for installation of additional Interface Energy Meter by CTU.

Further, in the meeting held by NRLDC via WebEx video conferencing on 25.08.2021 with BBMB, PSTCL, POWEGRID & NFL, the issue was deliberated at length and it was decided that PSPCL will take proper approval from competent authority for installation of Interface Energy Meter and intimate status of feasibility for installation of Interface Energy Meter to NRLDC within one month.

It is therefore again requested to PSPCL to kindly expedite the case on priority and advise the concerned to coordinate with NFL & CTU for installation of Interface Energy meter on 66 kV feeders as decided in the meeting at the earliest.

Matter Most Urgent.

Thanking you,

Yours faithfully,

(Neeraj Kumar)
Sr. DGM (Market Operation)

Copy for kind information:

1. Chief Engineer, PSPCL
2. Chief Engineer, PSTCL
3. Chief manger(Electr.),NFL, Nangal
4. CGM (I/C), NRLDC, New Delhi
5. Sr.GM (MO) , NRLDC, New Delhi

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(भारत सरकार का उद्यम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Govt. of India Enterprise)



उत्तरी क्षेत्रीय मार प्रेशण केन्द्र / NORTHERN REGIONAL LOAD DESPATCH CENTRE
कार्यालय : 18-ए, शहीद जीत सिंह सनसनवाल मार्ग, कटवारिया सराय, नई दिल्ली- 110016
OFFICE : 18-A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi- 110016
CIN : U40105DL2009GOI188682, Website : www.nrlc.org, www.nrlc.in, Tel.: 011- 26519406, 26523869, Fax : 011- 26852747

NRLDC/MO/

Date: 25th October 2021

To,

1. Addl. SE, Commercial, BBMB, Industrial Area Phase I, Chandigarh-160002
2. Chief Engineer(PP& R), D-3, Shakti Vihar,(Opp.23 No railway Fatak) PSPCL, Patiala-147001
3. Chief Engineer , HP State Load Despatch Centre, Govt of HP,, Totu , Shimla-171011

Subject: Regd. Installation of Interface Energy Metering on small feeders.

Dear Sir,

This is in reference to NRLDC Letter NRLDC/MO/ dtd 06.09.2021, regarding meeting held by NRLDC via WebEx video conferencing on 25.08.2021 with BBMB, PSTCL, POWERGRID & NFL. The issue was deliberated at length and it was decided that BBMB/PSPCL will check the small feeder list (attached at Annexure-1) and will intimate to NRLDC regarding feasibility for installation of IEM on these small feeders. NFL has confirmed vide their letter NFL/NGL/Electr/R&S/2021/451 dtd 01.10.2021, that second metering core of all metering CT's/PT's are available and can be used for installation of additional Interface Energy Meter by CTU/POWERGRID for calculation of Punjab/NFL Drawl.

In this regard, therefore it is once again requested to kindly expedite the case on priority and advise the concerned to coordinate with CTU/POWERGRID for installation of Interface Energy meter on small feeders as decided in the meeting at the earliest.

Matter Most Urgent.

Thanking you,

Yours faithfully,

(Neeraj Kumar)
Sr. DGM (Market Operation)

Copy for kind information:

1. Chief Engineer, PSTCL
2. Chief Manager(Electrical),NFL, Nangal
3. CGM (I/C), NRLDC, New Delhi
4. Sr.GM (MO) , NRLDC, New Delhi

**Existing Formulae: IW-91 (BBMB Irrigation Wing consumption) =
(EH-05+EP-03+EP-07+IB-01+IP-01)**

Sl.No	Code	Details of small feeders	Remarks
1	EH-05	Irrigation wing consumption at Dehar from HP	<i>No Interface Energy Meter installed on the feeders. Readings are being supplied on weekly /monthly basis by BBMB in excel format.(Taken from their own conventional Energy Meters)</i>
2	EP-03	Irrigation wing consumption at Bhakra from Punjab	
3	EP-07	Irrigation wing consumption at Pong/Talwara from Punjab	
4	IB-01	Irrigation Wing consumption at Bhakra from Plant itself	
5	IP-01	Irrigation wing consumption at Pong from the plant itself	

Existing Formulae: NF-01 (Drawl of NFL at Bhakra) = (BH-09+BH-10-EN-01)

Sl.No	Code	Details of small feeders	Remarks
1	BH-09	66 kV NFF-1 at Bhakra Left Bank	CTU meter
2	BH-10	66 kV NFF-2 at Bhakra Left Bank	CTU meter
3	EN-01	NFL Consumption from Punjab (Presently included in Punjab Drawl)	<i>No Interface Energy Meter installed on the feeders. Readings are being supplied on weekly basis by BBMB/NFL in excel format.(Taken from their own conventional PSPCL Energy Meters)</i>



Neeraj Kumar
Sr DGM,NRLDC

Small Feeder Data used in Punjab Drawl

PB-02= (EP-02 -EP-01-EP-03-EP-07+EN-01)

Sl.No	Code	Details of small feeders	Remarks
1	EP-02	11 kV Ganguwal-Anandpur Sahib& ASHP	<i>No Interface Energy Meter installed on the feeders. Readings are being supplied on weekly /monthly basis by BBMB in excel format.(Taken from their own conventional Energy Meters</i>
2	EP-01	11 kV Kotla-Kiratpur Sahib /11 KV Kotla Nakkian	
3	EP-03	Irrigation wing consumption at Bhakra from Punjab	
4	EP-07	Irrigation wing consumption at Pong/Talwara from Punjab	
5	EN-01	NFL Consumption from Punjab (Presently included in Punjab Drawl . Proposed Formula for Punjab Drawl after installation of IEM at NFL (EN-01)= (66kV side of 66/11 kV NFL expan.-1 +66kV side of 66/11 kV NFL expan.-2)+(66 kV side GTG Incomer-1+66 kV side GTG Incomer-2)	

Small Feeder Data used in H.P. Drawl = (EH-01-EH-05)

Sl.No	Code	Details of small feeders	Remarks
1	EH-01	11 kV Ganguwal-Nainadevi	<i>No Interface Energy Meter installed on the feeders. Readings are being supplied on weekly /monthly basis by BBMB in excel format.(Taken from their own conventional Energy Meters</i>
	EH-05	Irrigation wing consumption at Dehar from HP	



Neeraj Kumar
Sr DGM,NRLDC

S.No	Type	Group	Meter Id	Name of the feeder	Remarks	Action required
1	M	AU-01	NP-1522-A	220KV Agra - 1 at Auraiya CCPP	Meter Faulty	May be replaced
2	M	SL-03	WR-2159-A	220KV Kishenpur-1 at Salal HPS	data conversion issue	May review once, and either replace or provide right software to us
3	S	UR-28	WR-2168-A	400KV Genr-4 at Uri-II HPS	data conversion issue	May review once, and either replace or provide right software to us
4	C	KG-04	NR-3236-A	220 kV Amargarh-2 at Kishenganga HEP	Meter Faulty	May be replaced
5	C	BH-41	NP-3018-A	GT-6(220 kV) at Bhakra Right Bank	Time Drift	May be replaced
6	M	BH-24	WR-2154-A	220 kV Mahilpur-1 at Bhakra Right Bank	data conversion issue	May review once, and either replace or provide right software to us
7	S	BB-64	NR-3693-A	220KV Sangrur-1 at Hissar-BBMB	Empty File being created	May be replaced
8	M	BB-44	NR-3651-A	220KV Bhiwani(HVFN)-1 at Bhiwani-BBMB	Meter Faulty	May be replaced
9	M	UP-28	NP-7717-A	220KV Auraiya-1 at 220KV Agra-UPPCL	high Time Drift	May be replaced
10	M	UQ-20	NP-8123-A	400KV Lucknow(PG) at 400KV Lucknow-UPPCL	high Time Drift	May be replaced
11	M	UP-59	NP-1271-A	220KV Raebarely at 220KV Bachhrawan -UPPCL	data conversion issue	May review once, and either replace or provide right software to us
12	M	UP-60	NR-3902-A	220KV Kanpur at 220KV Raniya-UPPCL	Software not Install	Software may be provided or replace meter
13	M	UP-61	NP-1742-A	220KV Kanpur-2 at 220KV Panki-UPPCL	meter faulty	May be replaced
14	M	UP-72	NP-3039-A	400 kV Agra-PG-1 at Fatehabad-UPPCL	AMR Problem	May be reviewed, either provide DCD, software to station
15	S	UQ-36	WR-2007-A	400/220 kV ICT-1(220 kV) at Fatehpur-PG	data extraction issue	May review once, and either replace or provide right software to us
16	S	NS-01	NP-1542-A	400 kV Kala Amb-1 at Abdullapur-PG	Meter faulty	May be replaced
17	M	HY-17	NP-6962-A	400 kV Abdullapur-PG at Dipalpur-HVFN	Time Drift	May be replaced
18	S	NU-21	NR-3375-A	400 kV Koldam at Banala PG	Empty File	May be replaced
19	S	NU-72	NR-4333-A	400 kV Sasaram at Varanasi PG	Meter Faulty	May be replaced
20	S	HR-30	NP-1339-A	220 kV Bhiwani -2 at Bhiwani-HVFN	data conversion issue	May review once, and either replace or provide right software to us
22	S	PS-03	NP-8824-A	400 kV Mogal(PG) at Nakodar-PSEB	Time Drift	May be replaced
23	M	UA-27	NP-1793-A	132kV Pilibhit at Khatima-UPCL	Meter faulty	May be replaced
24	C	AU-36	WR-2029-A	220KV feeder at Auraiya Solar	data conversion issue	May review once, and either replace or provide right software to us