



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

उत्तर क्षेत्रीय विद्युत समिति

Northern Regional Power Committee

सं. उक्षेविस/ वाणिज्यिक/ 209/ आर पी सी (52वीं)/2022/

दिनांक : 23 मार्च, 2022

सेवा में / To,

उ.क्षे.वि.स. के सभी सदस्य (संलग्न सूचीनुसार)  
Members of NRPC (As per List)

विषय: उत्तर क्षेत्रीय विद्युत समिति की 52<sup>वीं</sup> बैठक की दिनांक एवं कार्यसूची।

**Subject: 52<sup>nd</sup> meeting of Northern Regional Power Committee – Meeting Date and Agenda**

महोदय / Sir,

उत्तर क्षेत्रीय विद्युत समिति की 52<sup>वीं</sup> बैठक दिनांक **31 मार्च, 2022** को 1100 बजे विडियो कॉन्फ्रेंसिंग के माध्यम से आयोजित की जाएगी। बैठक की कार्यसूची संलग्न है। बैठक का लिंक एवं पासवर्ड नियत समय पर ईमेल द्वारा उपलब्ध करा दिया जायेगा।

The 52<sup>nd</sup> meeting of Northern Regional Power Committee (NRPC) will be held at **1100 Hrs** on **31<sup>st</sup> March, 2022** via video conferencing. Agenda for the same is attached. The link and password for joining the meeting would be send in due course of time to the respective email-IDs.

भवदीय  
Yours faithfully,

न० भंडारी

(नरेश भंडारी) 23/3/22

(Naresh Bhandari)

सदस्य सचिव

Member Secretary

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## उत्तरी क्षेत्रीय विद्युत समिति की 52<sup>वीं</sup> बैठक

### 52<sup>nd</sup> MEETING OF NORTHERN REGIONAL POWER COMMITTEE

**Time & Date of NRPC meeting: 31<sup>st</sup> March'22**

**Venue: Video Conferencing**

#### **AGENDA**

#### **A.1 Approval of MoM of 51<sup>st</sup> NRPC meeting**

A.1.1 Minutes of 51<sup>st</sup> NRPC meeting was issued on 16.03.2022. No comment has been received till the date.

A.1.2 ***Members may kindly approve the MoM.***

#### **A.2 First Time Charging clearance after LILO of 400 kV Patna - Balia line 3 & 4 at Naubatpur, BGCL Substation (agenda by BGCL)**

A.2.1 Bihar Grid Co. Ltd. (BGCL), has informed vide letter dt. 08.03.2022 (attached as **Annexure-A-I**) that LILO of 400 kV D/C Quad (3&4) Patna-Balia transmission line at 400/200/132/33kV Naubatpur GIS S/s (Bihar) was approved under strengthening scheme of transmission system in the state of Bihar, phase IV, Part II of 12<sup>th</sup> plan. Accordingly, BSPTCL taken approval in ER Standing Committee on Power System Planning. However, the matter was not taken up by BSPTCL in NR Standing Committee.

A.2.2 BGCL has taken up the work and now 400/200/132/33kV Naubatpur GIS S/s along with associated line is almost complete and likely to be charged shortly.

A.2.3 BGCL has requested for First Time Charging clearance after LILO of 400 kV Patna - Balia line 3 & 4 at Naubatpur, BGCL Substation.

A.2.4 ***Members may kindly deliberate.***

#### **A.3 System Study for Capacitor requirement in NR for the year 2019-20**

A.3.1 33<sup>rd</sup> TCC/ 37<sup>th</sup> NRPC meeting approved that system studies for capacitor requirement in NR shall be conducted for the year 2016-17 and 2017-18 and the expenditure for the same shall be met from NRPC Fund.

A.3.2 In 34<sup>th</sup> TCC/ 38<sup>th</sup> NRPC, forum was apprised that Letter of Award was issued to CPRI for carrying out the studies with consultancy charges of Rs. 20 Lakh plus Service tax after due approval from Chairperson, NRPC. However, due to delay in data submission by the utilities for the period of FY 2016-17, it was decided to conduct the studies for 2017-18 and 2018-19.

- A.3.3 In 35<sup>th</sup> TCC/ 39<sup>th</sup> NRPC, forum was apprised that CPRI has submitted the report of the study for 2017-18.
- A.3.4 In 37<sup>th</sup> TCC/ 40<sup>th</sup> NRPC, forum decided that due to involvement of huge exercise of data collection involving the DISCOMs, study will be conducted for 2019-20 in place of 2018-19 and that too in two stages:
- a) One at 220/132 kV level
  - b) Subsequently, down to 11/33 kV level
- Moreover, forum agreed for the additional charges which may be levied by CPRI for conducting the study to be paid from NRPC fund.
- A.3.5 In 38<sup>th</sup> TCC and 41<sup>st</sup> NRPC, forum was apprised that CPRI has submitted their revised offer for the above said study and has quoted consultancy charges of Rs. 55,00,000/- for the study for 2019-20 in addition to Rs. 10,00,000/- bill raised by them for the study conducted for the period 2017-18. Forum advised NRPC Sectt. to negotiate the cost of study for 2018-19 with CPRI.
- A.3.6 In 39<sup>th</sup> TCC/ 42<sup>nd</sup> NRPC, forum was apprised that after negotiation, CPRI has revised their Techno-Commercial offer to Rs. 32 Lakhs (excluding Taxes) for the study for 2019-20 including charges for the study conducted for the period 2017-18. Forum approved the cost.
- A.3.7 In 45<sup>th</sup> TCC/ 48<sup>th</sup> NRPC meeting, forum decided that CPRI may be asked to submit the report for 2019-20 at 220/132 kV level along with the guidelines for finding the capacitor requirement at 11/33 kV level. In the meeting, CPRI representative stated that as there were diversified network configurations at the level of DISCOMs, the guidelines to be provided would be generalized and may also include some empirical formula along with examples which may guide the DISCOMs for finding out the capacitor requirement. It was also agreed that CPRI would only submit general guidelines and it would not be used as a permanent yardstick to measure the capacitor requirement of states. States would be free to use their own philosophy.
- A.3.8 It was also decided that after the submission of report for 2019-20 and the guidelines, the same would be studied by same Committee, who had earlier recommended for guidelines and foreclosure of the contract. Based on Committee's recommendations, NRPC Sectt. can process the pending bills of Rs. 14 Lakh (Rs. 2 + 12 Lakh), excluding taxes along with foreclosure of the contract.
- A.3.9 Based on the above deliberation, CPRI submitted the system study report (enclosed in the agenda of 177<sup>th</sup> OCC meeting) and which was circulated among all the SLDCs and STUs vide e-mail dated 02.11.2020.
- A.3.10 In the 177<sup>th</sup> OCC meeting, representatives of Punjab, Rajasthan, Delhi and Haryana stated that the capacitors considered in the study were far less than already installed. In the meeting, it was decided that states shall first analyze the PSSE file considered by CPRI in its study and bring out the locations wherein capacitors are already installed in the network, but are not modelled along with their comments.

- A.3.11 The list of bus-wise available MVAR and the additionally required MVAR computed in the CPRI report was shared separately by NRPC Sectt with SLDCs of Punjab, Haryana, Rajasthan, Delhi and Uttarakhand on 07.01.2021 with the request to provide available MVAR values in those buses.
- A.3.12 In 179<sup>th</sup> OCC meeting, it was decided that any submission of MVAR data / feedback from the states would be allowed till 22.01.2021 and thereafter CPRI would conduct the modelling and simulation work for the purpose of final capacitor study report. Accordingly, feedbacks received from Punjab, Rajasthan, Haryana and Delhi was forwarded to CPRI for carrying out study and submission of report.
- A.3.13 CPRI submitted the revised report on 24.02.2021 and thereafter same was shared with the constituent states.
- A.3.14 In the 181<sup>st</sup> OCC meeting, the sub-group comprising of ten members was advised to study the CPRI report and submit its recommendation within two weeks in line with decisions of 45<sup>th</sup> TCC/ 48<sup>th</sup> NRPC meeting.
- A.3.15 NRPC Sectt. sought comments/observations on the CPRI report from all the states. On which, comment from Delhi was received and Rajasthan, HP, Punjab, Haryana submitted NIL comment.
- A.3.16 In the 182<sup>nd</sup> OCC meeting, forum decided that a video-conferencing meeting may be held by members of sub-group to finalize the comments latest by 30<sup>th</sup> April, 2021 and compiled comments may be sent to CPRI for necessary correction in the report.
- A.3.17 In the 183<sup>rd</sup> OCC, it was discussed that sub-group meeting was held on 03.05.2021 (in place of originally schedule meeting on 30.04.2021, delayed as per request of some sub-group members due to health-related issues). In the sub-group meeting, PSSE file was requested from CPRI for better understanding and the same was later shared. OCC forum decided that after receiving observations/comments from Rajasthan, the compiled observations/comments may be sent to CPRI so that necessary corrections may be done in the draft report.
- A.3.18 In 184<sup>th</sup> OCC, forum was apprised that compiled comments had been submitted to CPRI on 28<sup>th</sup> May'21. CPRI vide email dated 31<sup>st</sup> May'21 communicated that majority of comments are on the modeling of base case PSSE file. Since the file is given by NRPC and CPRI has not modelled it; so, they are not in a position to make any comment on the accuracy & modeling of file. Forum decided that a reminder may be sent to CPRI for submission of corrected report as two weeks has already passed.
- A.3.19 In 185<sup>th</sup> OCC, forum was intimated that CPRI has submitted its point-wise reply on the observations of sub-group along with updated report on 28<sup>th</sup> June 2021.
- A.3.20 Forum decided that issues highlighted by the sub-group in the report and clarifications/comments thereon of CPRI need to be converged at the earliest and thus a video-conferencing meeting may be held between the sub-group and CPRI for resolution of issues and enabling report finalization.

A.3.21 The meeting was held on 06.08.2021 under the chairmanship of MS, NRPC through Video Conferencing. It was attended by members of the sub-group (constituted for studying the CPRI report), CPRI representatives, and officials from NRPC Sectt & NRLDC.

A.3.22 In the meeting, comments of the sub-group on the latest version of CPRI report was deliberated in detail. After weighing the merits of the original & both revisions of the report, following were decided:

- First Report submitted by CPRI in September 2020 shall be considered as the reference report. CPRI confirmed that the base-case of 11.07.2018 at 00:45 hrs. received from NRPC Sectt has been used for preparing September, 2020 report.
- Comments from all utilities and NRLDC on September 2020 report must be submitted to NRPC Sectt, latest by 24.08.2021.
- NRPC Sectt, after examination, shall share with CPRI the compiled comments of the utilities and NRLDC, latest by 31.08.2021.
- Thereafter, CPRI shall submit its reply on the compiled comments sent by NRPC Sectt, latest by 15.09.2021.

A.3.23 Base case file (11.07.2018 00:45 hrs) and CPRI's September 2020 report was e-mailed to all sub-group members on 10.08.2021 along with the request to submit comments/observations thereon latest by 24.08.2021 as per decision of the meeting dt. 06.08.2021.

A.3.24 In the 187<sup>th</sup> OCC, forum was apprised that although last date for submission of comments was 24.08.2021, NRPC Sectt. received comments from Himachal Pradesh, Punjab, Rajasthan, Delhi, and NRLDC vide mails dt. 24.08.2021, 25.08.2021, 26.08.2021, 31.08.2021, and 03.09.2021 respectively. As the received comments were also on the base-case data, a meeting was held on 06.09.2021 among officers of NRPC Sectt, NRLDC and above four states for discussing comments before sending it to CPRI. After detailed discussions, following were decided:

**A. Himachal Pradesh:**

- a) It was apprised by NRLDC that generation data of micro IPPs has not been modelled by them in base-case due to their small quantity. Further, Capacitor at Baddi needs to be removed from base-case.
- b) HP was requested to submit within 3 days data regarding (11.07.2018 00:45 Hrs.):
  - i. Generation break-up along with details of micro IPPs.
  - ii. Capacitors at 132 kV level.
  - iii. Nodes of major voltage profile mismatch
  - iv. Load factor of state (current scenario if data of past is not available)
- c) It was decided that after getting above data from HP, base-case will be

tuned by NRLDC before sending to CPRI.

**B. Punjab:**

- a) All switched reactors/capacitors to be converted into fixed & net shunt capacitor value in the base-case to be corrected as per Punjab's comment.
- b) Punjab was requested to submit low voltage nodes (11.07.2018 00:45 HRS) within 3 days.
- c) Based on data from Punjab, initial tuning to be done by NRLDC for Q values of generators. CPRI may be required to do further tuning.

**C. Rajasthan:**

- a) Except low voltage points, power factor needs to be upgraded in the base-case.
- b) Rajasthan representative confirmed that most of the capacitors were off during the time for which modelling is done, so lumped capacitor at 132kV needs to be deleted.
- c) Rajasthan was requested to submit
  - i. List of bus-wise capacitors and their status (OFF/ON condition) on 11.07.2018 00:45 HRS.
  - ii. Voltage profile of generator buses.

**D. Delhi:**

- a) Delhi was requested to submit voltage profile of generator buses.

A.3.25 It was decided that after receiving data from above four states, NRLDC will tune the base-case initially and will also ensure that regional generators shall not absorb reactive power in the base-case and then base case will be sent to CPRI along with compiled comments.

A.3.26 In the meeting, UP representative stated that they will send reply on mail of NRPC Sectt. dt. 10.08.2021 for submission of their comments. It was also decided that data received at NRPC Sectt. may be sent to NRLDC for tuning of base-case. NRLDC representative stated that base-case tuning may be completed by 30.09.2021.

A.3.27 CPRI vide e-mail dtd. 24.09.2021 requested that any change in loading & generation profile will be a new base case and this will be a fresh study for new base case. It will require an extensive time and efforts. CPRI requested to ensure that load/generation profile in tuned PSSE should be same as was given to CPRI for PSSE base 11.07.2018 at 00.45.

A.3.28 In view of CPRI's request, NRLDC was requested vide e-mail dtd. 24.09.2021 to halt tuning of base-case till further discussion.

A.3.29 A meeting was held between NRPC Sectt. and NRLDC on 04.10.2021, wherein it was decided that without incorporating corrective comments of states, the report is not acceptable w.r.t drawing any conclusion on requirement of capacitor. Accordingly, NRLDC was requested vide e-mail dt. 08.10.2021 to complete

tuning of base-case at the earliest.

A.3.30 In 188<sup>th</sup> OCC meeting, NRLDC representative informed that tuned base-case will be submitted by NRLDC by 28.10.2021. It was decided that the same will be sent to CPRI for necessary correction in report.

A.3.31 NRLDC vide e-mail dt. 10.11.2021 submitted the tuned base-case to NRPC Sectt. mentioning that Base-case has been tuned considering the feedback/inputs received from states (Punjab, Delhi, Rajasthan, HP and UP) and considering NRLDC SCADA data of 11th July 2018.

A.3.32 Tuned base case along with comments of states was sent to CPRI vide mail dt. 30.11.2021 for correction in the report.

A.3.33 In 191<sup>st</sup> OCC, NRPC representative apprised the forum that a meeting was held between members of the sub-group (constituted for studying the CPRI report), CPRI representatives, and officials from NRPC Sectt & NRLDC on 05.01.2022, wherein it was decided that CPRI shall tune the  $Q_{gen}$  value taking help of NRLDC. Tuning may be done for some machines of Punjab (such as Talwandi Sabo), Uttarakhand (such as Shravanti), Himachal Pradesh, and Jammu. CPRI shall also tune  $Q_{gen}$  of Central Sector machines such as Salal, Rampur, Bhakra, Dehar etc. These  $Q_{gen}$  tunings shall be done in spirit to relieve machines from absorbing MVARs and to avoid over compensation in system due to recommended capacitors. CPRI intimated 20<sup>th</sup> Jan'22 as target date for the completion of activity.

A.3.34 CPRI vide mail dt. 20.01.2022 intimated that tuning has been done as per decisions of meeting dt. 05.01.2022. CPRI submitted study results also in the same mail.

A.3.35 The study results were sent to NRLDC vide mail dt. 24.01.2022 for comments, if any.

A.3.36 NRLDC intimated vide mail dt. 03.02.2022 for requirement of tuning of following units:

- i. Himachal Pradesh: Baspa, Dulhasti, Jhakri, Koldam, Karcham
- ii. Jammu & Kashmir: Baglihar, Salal, Uri-I, Uri-II
- iii. ISGS: Dadri-C and Dadri NCR

NRLDC also suggested that after compensation, voltage at some of the nodes are exceeding 1.01 PU which need to avoid. Further, if in base-case, pre-compensated voltage is less than 1.0 PU, it should be ensured that after compensation it shouldn't exceed 1.01 PU.

A.3.37 Comments of NRLDC was sent to CPRI on 03.02.2022 for necessary action.

A.3.38 CPRI vide mail dt. 04.02.2022 highlighted that the tuned file has reached at a stage, where any further tuning in reactive power exchange from any one generator is resulting supply/absorption by nearby connected generating units. However, tuning has been done to the maximum extent possible.

A.3.39 CPRI was instructed vide mail dt. 05.02.2022 to prepare report and submit within



a week's time.

A.3.40 In 192<sup>nd</sup> OCC, NRPC representative apprised the forum that report has been received from CPRI vide mail dt. 14.02.2022. However, some grammatical and typographical error were observed in the report and CPRI has been requested to resolve the same. After resolution of same, report shall be shared with sub-group members tentatively in next week.

A.3.41 NRPC Sectt. vide mail dt. 02.03.2022 shared the final study report of CPRI, with states.

A.3.42 In 193<sup>rd</sup> OCC meeting held on 22.03.2022, forum decided that agenda may be taken up in next NRPC meeting for payment to CPRI.

A.3.43 NRPC forum is requested to approve the payment of Rs. 14 Lakh excluding GST to CPRI (as per deliberations in 48<sup>th</sup> NRPC meeting).

**A.3.44 *Members may kindly approve.***

**A.4 Non-inclusion of LTA quantum for calculation of transmission charges for UPPCL share in UCH Stage-II (132 MW), UCH Stage-III (66 MW) & ROSA Stage-II (300 MW) (Agenda by UPPCL)**

A.4.1 UPPCL vide letter dt. 11.03.2022 (attached as **Annexure-A-II**) has informed that the issued was raised regarding wrongful charging of transmission charges against LTA of certain generators being done by CTU to UPPCL for Unchahar Stage-I, Unchahar Stage-II, Unchahar Stage-III, NAPP, TANDA Stage-II, and ROSA Stage-II.

A.4.2 CTU vide letter dt. 08.02.2022 acknowledged the issue raised by UPPCL and partially accepted the claim of UPPCL. CTU has intimated that NLDC may exempt deemed LTA quantum of UP from the computation of monthly transmission charges w.e.f. 01.11.2020 for UP quantum of share from Unchahar Stage-I, NAPP, and TANDA Stage-II as evacuation of UP's share power from these generation projects was on Intra State Transmission System (UPPTCL).

A.4.3 However, the issue regarding Unchahar Stage-II, Unchahar Stage-III and ROSA Stage-II still remains un-resolved. Matter was discussed in 44<sup>th</sup> Commercial Sub-committee meeting, wherein CTU intimated that a letter shall be sent to UPPCL on the issue.

A.4.4 CTU vide letter dt. 07.02.2022 has refused the claims of UPPCL in respect of Unchahar Stage-II, Unchahar Stage-III and ROSA Stage-II as these generation projects were planned along with ISTS system.

A.4.5 UPPCL has highlighted that under previous CERC (sharing of Inter State Transmission Charges & Losses) Regulations 2010 regime, transmission charges were allocated based on usage of the transmission assets by the entities to draw their allocated power and were independent of LTA quantum. In the contrary the new sharing Regulation 2020, allocates the charges based on (LTA+MTOA) quantum irrespective of usage of ISTS assets. So, provisioning of LTA quantum with various DISCOM(s) needs a relook under new Regulations as any additional/

unwarranted inclusion of LTA quantum has undesirable effect on the concerned DISCOM.

- A.4.6 Regulation 13(11) of Chapter 3 (SPECIFIC CASES) of CERC (Sharing of Intra State Transmission Charges & Losses) Regulation, 2020 may kindly be referred to:

*Where a generating station is connected to both ISTS and intra-state transmission system, only ISTS charges and losses shall be applicable on the quantum of Long-term access and medium-term Open Access corresponding to capacity connected to ISTS.*

In this regard, it is to note that above clause mentions only ISTS charges & losses shall be applicable on the quantum of long-term access corresponding to capacity connected to ISTS. In above clause the word corresponding to capacity connected to ISTS is hereby being emphasized by UPPCL to lodge their claim.

- A.4.7 It is to note that UCH-II, UCH-III and ROSA Stage-II are connected to both ISTS and Intra State Transmission system, but for evacuation of UPPCL share of generation in these 03 power stations no corresponding evacuation through ISTS lines is desired as Intra state transmission lines is sufficient for evacuation of UPPCL LTA share of these generators. It is to submit that the present ISTS lines of these generators is available for evacuation of power for other Inter-state shareholders of these generators. In such case UPPCL must not be billed & charged for transmission charges of such ISTS lines which are for evacuation of power for other state DISCOM(s).

- A.4.8 Judgement order of CERC on petition no. 20 MP/2017 in matter of M/s Kanti Bijlee Utpadan Nigam Limited, New Delhi Vs CTU may be referred. In this the petitioner M/s Kanti Bijlee Utpadan Nigam Limited, New Delhi was seeking directions with regard to signing of the LTA agreement by the beneficiaries of the generating station of MGTS stage-II with the CTU along with issue of jurisdiction for schedule of the power from the generating station, non-applicability of PoC charges for the power scheduled to Bihar. In the subject matter the Hon'ble CERC have stated following:

*“55. Considering the suggestions of ERPC, we are of the view that while computing schedules of Bihar from MTPS Stage-II, ISTS Charge and losses shall not be*

- A.4.9 In view of above, UPPCL has requested that necessary instructing may kindly be issued for non-inclusion of LTA quantum for calculation of transmission charges for UPPCL share in case of UCH stage-II (132 MW), UCH stage-III (66MW) & ROSA stage-II (300 MW).

**A.4.10 Members may kindly deliberate.**

- A.5 OPGW installation on two nos. of existing lines which are to be LILoed at new Dausa substations under TBCB project (Agenda by CTUIL)**

A.5.1. New Dausa substation is proposed to be established under TBCB project under the bidding 'Transmission system for evacuation of power from REZ in Rajasthan (20GW) under phase-III . Part-H' by LILoing the following two existing lines:

- a. 765kV D/c (2xS/c) Jaipur (Phagi) (RVPNL) – Gwalior line (312 kms.)
- b. 400kV D/c Agra – Jaipur (South)(PG) line (254 kms.)

A.5.2. As OPGW is not available on the both of the above two nos. existing lines, CTUIL has proposed a scheme for OPGW installation by replacing one no. of earth wire on the following lines along with terminal equipment to provide data & voice connectivity of New Dausa S/s:

- a. 765kV S/c Jaipur (Phagi) (RVPNL) – Gwalior line (312 kms.) (One 765kV S/c is proposed)
- b. 400kV D/c Agra – Jaipur (South)(PG) line (254 kms.)

A.5.3. Details of the scheme are given at **Annexure-A-III**.

A.5.4. In line with MoP office order no. 15/03/2017-Trans-Pt(1) dated 09.03.2022 regarding "Guidelines on Planning of Communication System for Inter-State Transmission System (ISTS)" as per clause-5 for Category (B) Communication Schemes/Packages proposed by CTUIL for upgradation /modification of existing ISTS Communication System shall be put up to RPCs for their views. RPCs to provide their views on the Scheme/Packages proposed by CTUIL within 45 days of receipt of the proposal from CTUIL.

A.5.5. Clause 5 of the Category (B) is stipulated below:

"Communication Schemes/Packages proposed by CTUIL for upgradation / modification of existing ISTS Communication System, standalone projects, adoption of new technologies shall be put up to RPC for their views. RPC to provide their views on the Scheme / Packages proposed by CTUIL within 45 days of receipt of the proposal from CTUIL."

A.5.6. In consideration of above, views of NRPC forum is solicited so that the scheme may be taken up for consideration in the NCT meeting along with the views of NRPC.

A.5.7. **Members may kindly deliberate.**

## **A.6 Non-availability of Real-Time data from PTCUL**

A.6.1. PTCUL telemetry issues were discussed in the 19<sup>th</sup> TeST committee meeting held on 07.03.2022. As per the agenda submitted by NRLDC, out of 51 Sub-Station/Generating Stations, data from only 28 Sub-stations are integrated at PTCUL SLDC. Also, many feeders are not integrated even at the locations where RTUs are installed.

A.6.2. The issue was discussed in Special Meeting with PTCUL held in July 2020 and December 2020. Subsequently issue was discussed in 17<sup>th</sup> and 18<sup>th</sup> Test Meeting and 45<sup>th</sup> TCC-48<sup>th</sup> NRPC and 47<sup>th</sup> TCC-49<sup>th</sup> NRPC meetings.

- A.6.3. PTCUL is still not connected to Backup NRLDC and was requested to take up the matter with its OEM for ICCP integration with Backup NRLDC.
- A.6.4. During 47<sup>th</sup> TCC - 49<sup>th</sup> NRPC meeting, representative from PTCUL informed that they are in the process of tendering of RTU and OPGW installation work and informed that they would expedite the installation works, and is expected to be completed in 6 months. Further, representative from PTCUL informed that faulty CMRs/ Transducer replacement work is in progress and same would be completed within 3 months.
- A.6.5. However, there has been negligible improvement in this regard. The response from the representative of PTCUL in the 19<sup>th</sup> TeST sub-committee meeting was also unsatisfactory.
- A.6.6. ***Members may kindly discuss.***

#### **A.7 Non-availability of Reliable/ Redundant Communication System for PTCUL, SLDC**

- A.7.1. SLDC Uttarakhand is connected to NRLDC through radial network from Roorkee-Dehradun and all services like ICCP, PMU/PDC and VOIP are working on this. Any issue in link leads to outage of Voice and Data communication between SLDC Uttarakhand and NRLDC.
- A.7.2. Matter of reliable communication to NRLDC was also discussed in special meeting with PTCUL on 07<sup>th</sup> July 2020 conducted by NRPC, 45<sup>th</sup> TCC/ 48<sup>th</sup> NRPC meeting where PTCUL/ PGCIL assured that reliable communication link would be available in 6 months.
- A.7.3. Issue was also discussed in 47<sup>th</sup> TCC/ 49<sup>th</sup> NRPC meeting where PTCUL representative informed that they are in the process of tendering of RTU and OPGW Installation work and it is expected to be completed in 6 months. PGCIL mentioned that after completion of OPGW works by PTCUL on Majra (Dehradun SLDC) to Dehradun PG line, PGCIL will immediately integrate the communication equipment and establish redundant communication route for Dehradun SLDC.
- A.7.4. However, there has been negligible improvement in telemetry from PTCUL. The matter was discussed in the 19<sup>th</sup> TeST subcommittee meeting wherein the response from PTCUL representative was found to be unsatisfactory. Hence, matter was referred to the NRPC meeting.
- A.7.5. ***Members may kindly discuss.***

#### **A.8 Scheduling, accounting and other treatment of the legacy shared projects in Northern Region**

- A.8.1. At present there is different treatment regarding scheduling and accounting for different legacy transactions.

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	Category
1	Bawana	Delhi	Haryana	10	137	SH-07	Scheduled under proper Open Access (CTU) Including Tr. Charges Including RLDC Fee & Charges Schedule changes are done ex-ante as per the IEGC
	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	Considered under deemed LTA. (without formal LTA/MTOA issuance by CTU) Tr. charges considered RLDC Fee & Charges not considered. Schedule changes are done ex-ante as per the IEGC
	Matatila	UP	MP	45	13.75	LT-02	
3	Vishnu Prayag	UP	Uttarakhand	12	60	SH-01	Considered under deemed LTA. (without formal LTA/MTOA issuance by CTU) Tr. Charges not considered RLDC Fee & Charges not considered. Schedule changes are done ex-ante as per the IEGC
	Alaknanda	UP	Uttarakhand	12	40	LT-38	
	Rajghat	MP	UP	25	11.25	LT-13	
4	Khara	UP	HP	20	14.4	SH-02	Considered under deemed LTA. (without formal LTA/MTOA issuance by CTU) Tr. Charges not considered RLDC Fee & Charges not considered. Schedule of these transactions are changed post-facto based on actual generation as per legacy.
	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		

A.8.2. CERC Regulations are being completely followed only in case of Category-1 projects. The matter has been discussed in all CSC/TCC/NRPC meetings since the 40<sup>th</sup> CSC meeting held on 12.09.2019 with the proposal that all legacy projects should be treated similarly i.e.,

- i. All these transactions wherein specific LTA has not been granted should either be considered under deemed LTA or specific LTA may be granted by the CTU.
- ii. The transactions should be subjected to transmission charges as well as RLDC fee and charges.
- iii. Revisions in schedules of these transactions should be done ex-ante as applicable to any other transactions under the respective category.
- iv. Post-facto revisions of some of these transactions which are happening today should be stopped.

A.8.3. As per decision taken in the 43<sup>rd</sup> TCC/ 46<sup>th</sup> NRPC meeting, and reiterated in subsequent meetings, all utilities were urged to hold bilateral meetings and submit their observations/objections with regard to treatment of Category 2, 3 and 4 projects similar to Category 1 projects. However, no meeting has been held till date and no inputs have been received from any utility.

A.8.4. In view of above, the following is proposed:

- i. Since the proposed GNA Regulations do away with the requirement of grant of LTA from particular stations, the issue of levy of transmission charges and RLDC fee & charges would be resolved for category 2, 3 and 4 projects. Hence, the same may be dropped from agenda.
- ii. With reference to post-facto change in scheduled based on actual generation for projects under Category-4, it is proposed that this practice may be changed w.e.f. 01.04.2022.

A.8.5. ***Members may kindly discuss.***

# बिहार ग्रिड कम्पनी लिमिटेड

(संयुक्त उपक्रम बिहार स्टेट पावर (होल्डिंग) कं० लि० एवं पावरग्रिड)

## BIHAR GRID COMPANY LIMITED



(Joint Venture of Bihar State Power (Holding) Co. Ltd. & POWERGRID)

द्वितीय तल, अलंकार प्लेस, बोरिंग रोड, पटना-800 001, दूरभाष : 0612-2530477 (कार्यालय)  
2nd Floor, Alankar Place, Boring Road, Patna- 800 001, Tel. : 0612-2530477 (Off.), E-mail : bihargrid@gmail.com

CIN : U40100BR2013PLC019722

Ref No.: JV/PT/BG/O&M/FTC/Naubatpur/207/

Date: 08/03/2022

To,

The Member Secretary,  
Northern Regional Power Committee,  
18-A, SJSM, Katwaria Sarai,  
New Delhi-110016

Sub- First time charging clearance for LILO of 400 kV D/C Quad (3&4) Patna – Balia TL at 400/220/132/33 kV Naubatpur GIS S/s.

Dear Sir,

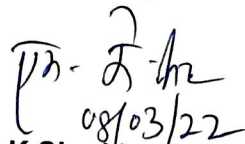
LILO of 400 kV D/C Quad (3&4) Patna – Balia TL at 400/220/132/33 kV Naubatpur GIS Substation was approved under the Strengthening Scheme of Transmission System in the State of Bihar Phase IV, Part II of 12<sup>th</sup> Plan. Accordingly, BSPTCL (Bihar STU) has taken approval in Eastern Region Standing Committee on Power System Planning. Subsequently, BSPTCL allocated the above work to Bihar Grid Co. Ltd (BGCL), a 50:50 joint venture of POWERGRID & BSP(H)CL. However, inadvertently the matter was not taken up with the Northern Region Standing Committee by BSPTCL. But the approval of the project is taken from CEA and CEA has confirmed the same vide letter dtd 19.08.2016 (copy enclosed).

BGCL has taken up the work and now 400/220/132/33 kV Naubatpur GIS Sub-station alongwith associated line is almost completed & likely to be charged shortly. Accordingly, BGCL has requested ERLDC for first time charging clearance and submitted the duly filled prescribed formats.

In view of the above, it is requested that the approval given by Eastern Region Standing Committee and subsequent confirmation by CEA may be considered by NRPC and NRPC may kindly advise to NRLDC & NLDC for issuance of first-time charging clearance.

Thanking you,

Yours Faithfully

  
08/03/22  
(M K Singh)  
Managing Director

Copy to :

1. ED, ERLDC, POSOCO Kolkata
2. ED, NRLDC, POSOCO New Delhi
3. ED, NLDC, POSOCO New Delhi



Government of India  
Ministry of Power  
Central Electricity Authority  
System Planning & Project Appraisal Division  
Sewa Bhawan, R. K. Puram, New Delhi-110066  
Website: www.cea.nic.in



No. 66/5/SP&PA-2016/ -139-150

Dated: 19.08.2016

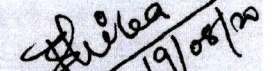
-As per List Enclosed-

**Sub: Summary record of discussions of the 18th meeting of the Standing Committee on Power System Planning of Eastern Region on 13.06.2016 at Kolkata.**

Sir/Madam,

Minutes of the meeting for the 18<sup>th</sup> Standing Committee Meeting on Power System Planning in Eastern Region held on 13.06.2016 at Kolkata is uploaded on the CEA website: [www.cea.nic.in](http://www.cea.nic.in). (path to access: Wings of CEA/Power Systems/Standing Committee on Power System Planning/EASTERN REGION).

Yours faithfully,

  
(Rishika Sharan)  
Director (PSPA-2)

Copy for kind information to:

- 1) PPS to Chairperson/Member(PS), CEA

**List of addressee:**

1. Member Secretary, Eastern Regional Power Committee, 14, Golf Club Road, Tollygange, Kolkata-700033. Tel. No. 033-24235199 Fax No.033-24171358	2. Director (Projects), Power Grid Corporation of India "Saudamini" Plot No. 2, Sector-29, Gurgaon-122001 Tel. No. 0124-2571816 Fax No.0124-2571932
3. Executive Director (System), Damodar Valley Corporation DVC Towers, VIP Road, Kolkata- 700054. Tel. 033-23557939 Fax No. 033-23554841	4. Managing Director, Bihar State Power Transmission Company, Vidyut Bhavan, Baily Road, Patna-800021. Tel. 0612-2504442 Fax No. 0612-2504557



*bidding, the progress of implementation of the transmission systems in a matching time schedule shall be monitored by the Central Electricity Authority.*

*(iv) In case a transmission system or an element thereof is prevented from regular service on or before the Scheduled COD for reasons not attributable to the transmission licensee or its supplier or its contractors but is on account of the delay in commissioning of the concerned generating station or in commissioning of the upstream or downstream transmission system of other transmission licensee, the transmission licensee shall approach the Commission through an appropriate application for approval of the date of commercial operation of such transmission system or an element thereof. (v) An element shall be declared to have achieved COD only after all the elements which are pre-required to achieve COD as per the Transmission Services Agreement are commissioned. In case any element is required to be commissioned prior to the commissioning of pre-required element, the same can be done if CEA confirms that such commissioning is in the interest of the power system.*

*(vi) The transmission licensee shall submit a certificate from the CMD/CEO/MD of the Company that the transmission line, sub-station and communication system conform to the relevant Grid Standard and Grid Code, and are capable of operation to their full capacity.*

- 11.4 Member agreed for construction of 2 no. 220 kV bays at Gaya (PG) by BSPTCL for Gaya (PG) – Sonenagar 220 kV D/C line and noted the 4<sup>th</sup> IEGC amendment.

## **12.0 Establishment of 400/220/132kV Intra-State Grid Sub-stations at potential load centres in Bihar – By BSPTCL**

- 12.1 Director (PSPA-2) stated that CEA has agreed Transmission System requirement of Bihar for the 12<sup>th</sup> plan in three parts vide letter no. 69/1/2012-SP&PA-1203-05 dated 15-11-2012.
- Part-1: Bihar Sub Transmission Phase-2 Extension Scheme (Given at Annexure-I of the above letter)
  - Part-2: Transmission System Strengthening Scheme-Phase-1 & Phase-2 (Given at Annexure-II (a) and Annexure-II (b) respectively of the above letter)
  - Part-3: ATS for Case-II projects i.e. Lakhisarai, Pirpanti and Buxar (2x660 MW) each at Annexure-III (a) and for BTPS & MTPS extension at Annexure-III (b) of the above letter.
- 12.2 He said that Chief Engineer (Transmission) BSPTCL has informed that due to better convenience, the entire works covered under Part-2 (Phase-2) i.e. Annexure-II (b) of the above referred letter has been divided into two groups by

Bihar Grid Company Ltd. (BGCL - a joint venture of BSP(H)CL and POWERGRID) under new head "Phase-IV Part-I" and "Phase-IV Part-II". The works covered under Phase-IV Part-I are under execution by BGCL.

- 12.3 BSPTCL has forwarded the list of works covered under Phase-IV Part-I to CEA which is given below:

**A: Substation**

Sl. No.	Details of S/S work
01	Construction of 2x160 MVA + 2x50 MVA 220/132/33 kV new GIS S/S at Chapra
02	Construction of 2x160 MVA + 3x50 MVA, 220/132/33 kV new GIS S/S at Gaya (Manpur)
03	Construction of 2x160 MVA + 2x50 MVA, 220/132/33 kV new GIS S/S at Nawada
04	Construction of 2x160 MVA + 2x50 MVA, 220/132/33 kV new GIS S/S at Sheikhpura
05	Construction of 2x160 MVA + 2x50 MVA, 220/132/33 kV new GIS S/S at Hathidah
06	Construction of 2x160 MVA + 2x50 MVA, 220/132/33 kV new GIS S/S at Jamalpur
07	Construction of 2x160 MVA + 2x50 MVA, 220/132/33 kV new GIS S/S at Sabour

**B: LINES**

Sl. No.	Details of transmission work	Line Length (km)
01	Chapra 220/132 kV new S/S – Chapra 132/33 kV S/S, 132 kV D/C line (Zebra conductor)	24
02	Hazipur 220/132 kV new S/S – Chapra 220/132 kV S/S, 220 kV D/C line	47
03	Chapra 220/132 kV S/S – Siwan, 132 kV D/C line	66
04	LILO of one circuit of 132 kV D/C Khagual-Digha line at Bihta	27
05	Patna (POWERGRID)-Khagaul, 220 kV D/C line	26
06	LILO of 220 kV D/C Biharsharif – Bodhgaya line at Gaya (new) (Manpur) S/S	14
07	LILO of 132 kV D/C Bodhgaya-Chandauti (ckt 3 & 4) at Gaya new (Manpur) S/S	Deleted
07.a	132KV D/C Gaya(new) – Jehanabad line	35
08	LILO of 132 kV S/C Bodhgaya-Wazirganj line at Gaya new (Manpur) S/ S	29
09	132 kV S/C (on D/C Tower) Gaya new (Manpur)-Hulasganj line	10
10	220 kV D/C (High Capacity) Gaya (POWERGRID)-Gaya new (Manpur) line	56
11	220 kV D/C (High Capacity) Nawada new-Gaya new (Manpur) line	55
12	132 kV D/C Sheikhpura(New) – Sheikhpura (Old) transmission line (High Capacity)	24
13	220 kV D/C Sheikhpura (New) – Nawada (New) transmission line (High Capacity)	51
14	220 kV D/C (High Capacity) Jamalpur new-Sheikhpura (New) transmission line	125
15	132 kV S/C (on D/C tower) Sheikhpura new – Biharsharif transmission line	40
16	132 kV D/C Nawada (New) – Nawada 132/33 kV (High Capacity) S/S	17
17	LILO of 220 kV Begusarai-Biharsharif line at 220 kV Hathidah	30
18	132 KV D/C Hathidah (New) –Hathidah (Old) transmission line (Zebra Conductor)	8

19	LILO of 132 kV D/C (High Capacity) Sultanganj-Lakhisarai transmission line at Jamalpur	44
20	132 kV D/C Jamalpur (New) – Jamalpur (Old) transmission line (Zebra Conductor)	34
21	132 kV D/C Sabour (New) – Sabour (Old) transmission line (Zebra Conductor)	13
22	LILO of 132 kV D/C Kahalgaon-Sultanganj line at Sabour	18
23	220 kV D/C (High Capacity) Sabour (New) – Jamalpur (New) transmission line	60
<b>Total</b>		<b>852</b>

- 12.4 CE (PSPA-2) said that to bring out clarity and completeness, BSPTCL should inform the scope of transmission works covered under Phase-I, Phase-II and Phase-III also. BSPTCL agreed for the same.

#### **Phase IV – Part-II Transmission works by BSPTCL**

- 12.5 Director (PSPA-2) said that the works covered under **Phase-IV Part-II** which, interalia, includes transmission system associated with establishment of 3 no. 2x500 MVA 400/220 kV sub-stations around Patna under state sector at Bihta, Fatuha and Gaighat along with downlinking 220 kV & 132 kV system has been revised due to non-availability of land at these locations. In this context, the joint studies carried out by BSPTCL and POWERGRID for the 12<sup>th</sup> plan has been revised considering new substations at Naubatpur, Bakhtiyarpur and Jakkanpur in place of Bihta, Gaighat and Fatuha respectively. BPTCL vide their letter no. 17/BSPTCL, Patna dated 02-072016 had intimated to CEA that Naubatpur GSS 400/220/132/33kV would be connected to Paliganj 132/33 kV 2x50 MVA S/S (tender invited) and existing 132/33 kV Masaurhi 2x20 MVA & Attula 2x20 MVA sub-stations over 132 kV D/C lines. The revised system proposed by BSPTCL associated with above sub-stations and other transmission works under Phase-IV part-II are given below:

#### **a) Naubatpur 400/220/132/33 kV GIS S/s**

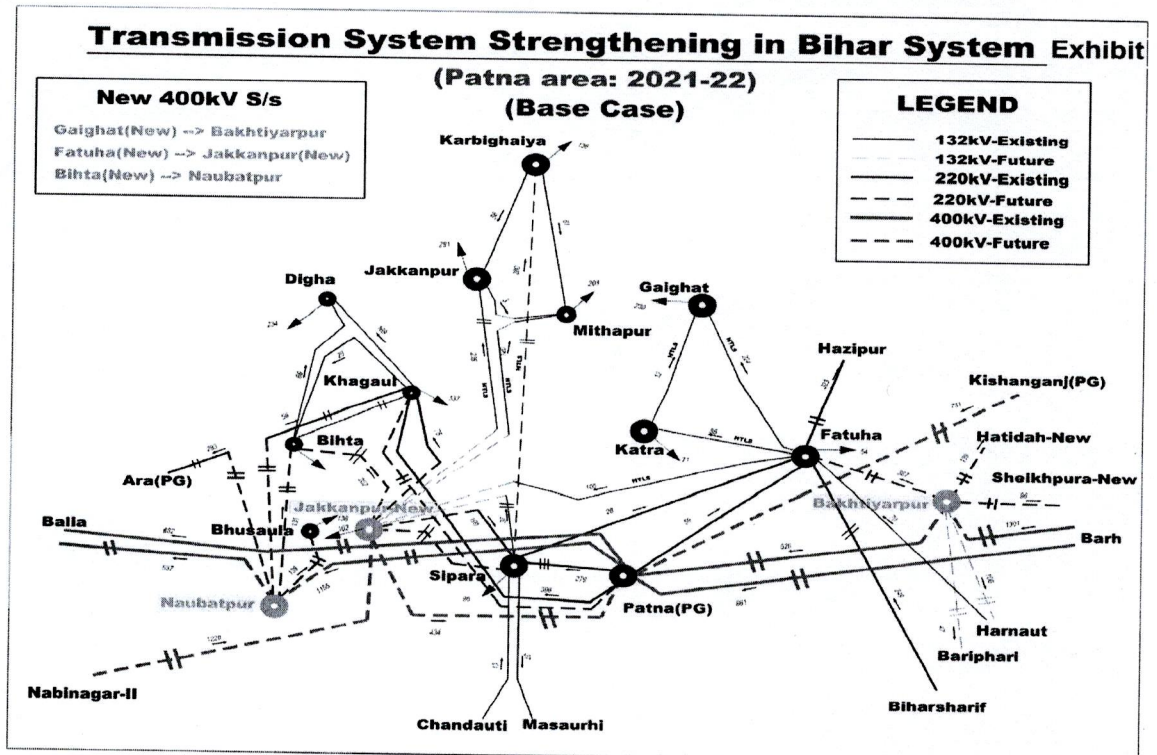
- i) Establishment of 2x500 MVA +2x160 MVA+2x80 MVA 400/220/132 kV S/S at Naubatpur
- ii) LILO of circuits 3 & 4 of Patna (PG)-Balua 400 kV D/c (Quad) line at Naubatpur 400 kV 2x D/C line
- iii) LILO of both circuits of Ara (PG) – Khagaul (BSPTCL) line at Naubatpur (New) 220 kV 2xD/C
- iv) Naubatpur (New)-Bihta (BSPTCL) 220 kV D/C line
- v) Naubatpur (New)-Bhusaula (New) 220 kV D/C Transmission line
- vi) Naubatpur (New)- Paliganj 132 kV D/C Transmission line

- vii) Naubatpur (New)- Masaurhi (existing) 132 kV D/C Transmission line
- b) Naubatpur (New)- Attula (existing) 132 kV D/C Transmission line. Bakhtiyarpur 400/220/132 kV GIS S/s**
- i) Establishment of 2x500 MVA +2x160 MVA 400/220/132 kV GIS S/S at Bakhtiyarpur
  - ii) LILO of both circuits of Barh – Patna (PG) 400kV D/c (Quad) line-1 at Bakhtiyarpur 400 kV 2xD/C
  - iii) Bakhtiyarpur (New) - Sheikhpura (New) 220 kV D/C line.
  - iv) Bakhtiyarpur (New) - Hathidah (New) 220 kV D/C line.
  - v) Bakhtiyarpur (New) - Fatuha (BSPTCL) 220 kV D/C line.
  - vi) Bakhtiyarpur (New) - Harnaut (BSPTCL) 132 kV D/C line
  - vii) Bakhtiyarpur (New) - Baripahari (BSPTCL) 132 kV D/C line.
  - viii) 132 kV D/C Bakhtiyarpur (New) - Baripahari (BSPTCL) line.
- c) Jakkanpur 400/220/132/33 kV GIS S/s**
- i) Establishment of 2x500 MVA +3x160 MVA+3x80 MVA 400/220/132/33 kV GIS S/S at Jakkanpur
  - ii) LILO of both circuits of Nabinagar-II – Patna (PG) 400kV D/c at Jakkanpur 400 kV 2xD/C
  - iii) LILO of both circuits of Sipara (BSPTCL)-Bihta (BSPTCL) line at Jakkanpur (new) 2x220 kV D/C
  - iv) LILO of Khagaul (BSPTCL) - Sipara (BSPTCL) 220 kV S/C line at Jakkanpur (New) 220 kV D/C
  - v) LILO of both circuits of Jakkanpur-Sipara line at Jakkanpur New (being re-conducted with HTLS by BSPTCL) 2x132 kV D/C
  - vi) LILO of 132 KV S/C Jakkanpur/Mithapur-Fatuha line at Jakkanpur New (being re-conducted with HTLS by BSPTCL) 132 kV D/C
- d) Bhusaula 220/33 kV GIS sub-station**
- i) Establishment of 2x100 MVA 220/33 kV GIS S/S at Bhusaula
- e) Dumraon 220/132/33 kV GIS sub-station**
- i) Establishment of 2x160 MVA+2x80 MVA 220/33 kV GIS S/S at Dumraon
  - ii) LILO of both circuits of 220 kV Ara (PG)-Pusauli (PG) D/c line at Dumraon (New) 2x220 kV D/C
  - iii) Dumraon (New)- Dumraon (BSPTCL) 132 kV D/C

- iv) Dumraon (New)- Buxarn (BSPTCL) 132 kV D/C
- v) Dumraon (New)- Jagdishpur (BSPTCL) 132 kV D/C

f) **LILO of one circuit of Purnea-Naugachia / Khagaria 132 kV D/C line at Katihar (BSPTCL)**

12.6 Schematic showing the transmission system around Patna is given below:



12.7 After deliberations, members agree for establishment of 3 no. 400kV GIS sub-stations at Naubatpur, Bakhtiyarpur and Jakkanpur in place of Bihta, Gaighat and Fatuha respectively along with down-linking 220kV & 132kV works and other transmission works mentioned above as **Phase-IV - Part-II** transmission works to be implemented by BSPTCL as intra-state transmission works.

**13.0 Additional ISTS 400 kV sub-stations in Bihar along with down linking system by BSPTCL**

13.1 Director (PSPA-2) stated that BSPTCL had informed that the demand of Bihar has increased to 3226 MW under unrestricted condition in Sep., 2015 and may go up to 8774 MW by 2018-19 due to segregation of agricultural feeders. BSPTCL and POWERGRID have carried out detailed load flow studies jointly to evolve transmission system requirement for the end of 13<sup>th</sup> plan period i.e. 2021-22 considering load demand of Bihar as 11000 MW (Study Report was enclosed at Annexure-V of the agenda). The studies have, interalia, recommended



Office of Chief Engineer  
Power Purchase Agreement Directorate,  
14<sup>th</sup> Floor, Shakti Bhawan Extn.,  
14-Ashok Marg, Lucknow -226 001  
TeleFax:0522-2218812,  
Email:ppare@uppcl.org

Letter No. 260/CE/PPA

Dated: - 11 | 03 | 2022

To  
The Member Secretary,  
Northern Regional Power Committee,  
New Delhi

Sub: UPPCL - CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 Sharing of transmission charges in proportion to LTA — Wrongful inclusion of LTA for the assets owned by UPPTCL/UPPCL — reduction of LTA — Requested- Regarding.

Sir,

Kindly refer to this office letter no. 16/EIE&PC dated 07-01-2022 (Annexure-1) vide which issue was raised regarding wrongful charging of transmission charges against LTA of certain Generators being done by CTU to UPPCL. In this regard it is to submit that subject matter was earlier raised by SE, EIE&PC, UPPCL vide their letter dated 03.09.2021, 18.10.2021, 08.11.2021, 27.12.2021 & 06.01.2022 (Annexure- 2, 3, 4,5& 6) for Unchahar stage-I, Unchahar stage-II, Unchahar stage-III, NAPP, TANDA stage-II and ROSA stage-II. In response to the same CTU vide their letter no. CTU/N/07/NRDC, dated 08.02.2022 (Annexure-6) while acknowledging the issue raised by UPPCL by above mentioned letter dated 08.11.2021 and 27.12.2021 partially accepted the claim of UPPCL as mentioned below:-

*"The matter has been examined and it is observed that evacuation of power from generation projects viz. Unchahar-I (420 MW), NAPP (440 MW) and Tanda-II (1320 MW) for UP share was planned and being evacuated on Intra state transmission system (UPPTCL).*

*Therefore, Implementing Agency (NLDC) may exempt deemed LTA quantum of UP from the computation of monthly transmission charges in respect of the following generation projects w.e.f. 01/11/20/20 ie. from the effective date of Implementation of sharing regulation 2020:*

- Uttar Pradesh quantum of share from Unchahar Stage-I (420 MW)*
- Uttar Pradesh quantum of share from NAPS (440 MW)*
- Uttar Pradesh quantum of share from Tanda-II (1320 MW)*

It is clear from above that CTU has accepted the claim of withdrawal of applicability of transmission charges w.r.t. Unchahar stage-I, NAPP and TANDA stage-II. However, the issue regarding withdrawal of applicability of transmission charges w.r.t. Unchahar stage-II, Unchahar stage-III and ROSA stage-II still remains unresolved.

This matter was raised in 44<sup>th</sup> commercial sub committee meeting held on 14.02.2022 wherein CTU intimated NRPC that they have accepted the claim of removal of transmission charges for LTA of UPPCL share w.r.t. Unchahar stage-I, NAPP and TANDA stage-II and has already

submitted the letter for revision of transmission charges for LTA of UPPCL of these generators to NRPC. However, UPPCL raised the matter regarding removal of LTA quantum of UPPCL share from transmission charges for the remaining three Power stations viz Unchahar Stage-II, UCH stage-III & Rosa Stage-II also. In this regard CTU intimated that a letter regarding remaining three power stations will be sent to UPPCL shortly. It was submitted by UPPCL in the subject meeting that depending upon the response received from CTU for remaining three power stations; the matter will be brought up before NRPC again, if required.

It is to kindly submit that CTU vide their letter no. CTU/N/07/UPPCL dated 17.02.2022 (Annexure-7) have refused the claim of removal of transmission charges w.r.t. to UPPCL share of LTA quantum of Unchahar stage-II, Unchahar stage-III and ROSA stage-II on the grounds as mentioned below:-

*"The matter was examined and it was observed that evacuation of power from generation projects with UP share, which were planned with Intra State transmission system (UPPTCL) at the time of commissioning of the respective generation projects, should be exempted Intra state transmission charges corresponding to State's share. Above methodology/ Philosophy was also adopted by SRPC vide letter dated 16.12.2021 which has communicated the recommendation of the sub group which was deliberated in 39<sup>th</sup> SRPC/ TCC meeting.*

*Based on above, CTU vide letter dated 08.02.2022 to NLDC recommended exemption of deemed LTA quantum of UP from the computation of monthly transmission charges in respect of Unchchar-I (420 MW), NAPP (440 MW) and TANDA-II (1320 MW) projects.*

*Further, as other generation projects viz. Unchchar-II (420 MW), Unchahar-III (210 MW) and ROSA-II (2x300 MW with LTA for 300 MW) were planned along with Inter state transmission system, therefore, transmission charges w.r.t. LTA/ deemed LTA quantum for UPPCL has not been recommended for exemption."*

In this regard it may be noted that under previous CERC (Sharing of Inter State Transmission Charges & Losses) Regulations 2010 regime, transmission charges were allocated based on usage of the transmission assets by the entities to draw their allocated power and were independent of LTA quantum. In the contrary the new sharing Regulation 2020, allocates the charges based on (LTA+MTOA) quantum irrespective of usage of ISTS assets. **So provisioning of LTA quantum with various DISCOM(s) needs a relook under new Regulation as any additional/ unwarranted inclusion\* of LTA quantum has undesirable effect on concerned DISCOM (in above case UPPCL).**

In order to substantiate UPPCL claim regarding exclusion of LTA quantum from Transmission charges charged by CTU in case of UCH-Stage II, UCH-Stage III & Rosa Stage-III, the following clause of Regulation 13(11) of Chapter 3 (SPECIFIC CASES) of CERC (Sharing of Intra State Transmission Charges & Losses) Regulation, 2020 may kindly be referred to:

*"Where a generating station is connected to both ISTS and intra-state transmission system, only ISTS charges and losses shall be applicable on the quantum of Long term access and medium term Open Access corresponding to capacity connected to ISTS"*

In this regard please note that above clause mention only ISTS charges & losses shall be applicable on the quantum of Long term access corresponding to capacity connected to ISTS. In above clause the word **corresponding to capacity connected to ISTS** is hereby being emphasized by UPPCL to lodge their claim.

It is to brought to your notice that in case of UCH-II, UCH-III and ROSA Stage-II though connected to both ISTS and Intra State Transmission system, but for evacuation of UPPCL share of generation in these 03 power stations **no corresponding evacuation through ISTS lines is desired** as Intra state transmission lines is sufficient for evacuation of UPPCL LTA share of these generators. It is to submit that the **present ISTS lines of these generators is available for evacuation of power for other Inter state share holders of these generators.** In such case UPPCL must not be billed & charged for transmission charges of such ISTS lines which are for evacuation of power for other state DISCOM(s).

The details of Intra State lines that is available for evacuation of UPPCL LTA share in these generating power stations is mentioned below:-

(A)- **UPPTCL Transmission lines used for evacuation of power from UCH TPS stage II & III (UPPCL share)**

a) 220 KV Unchahar- Raibareilly (PG) ckt.- I & II

b) 220 KV Unchahar- Fatehpur ckt- I & II

It may be noted that there are total four no. of Intra state line which is available for evacuation of UPPCL Share in UCH-I (232 MW), UCH-II (132 MW) & UCH-III (66 MW). So the total quantum of UPPCL share in UCH-I (232 MW), UCH-II (132 MW) & UCH-III (66 MW) is 430 MW and above 04 intra state lines is sufficient to evacuate 430 MW of UPPCL share of Power and **even also the available intra state network is (n-1) compliant.** In view of same CTU must be directed to remove transmission charges of these generators i.e. UCH-II (132 MW) & UCH-III (66 MW).

(B)- **UPPTCL Transmission lines used for evacuation of power from Rosa stage-II (UPPCL share)**

a) 400 KV Rosa- Shahjahanpur ckt. I & II

b) 400 KV Rosa- Badaun ckt. I & II

c) 200 MVA ICT- I & II at Rosa stage-2

Further it may also be noted that in case of ROSA, the full share of power is being drawn by UPPCL and the ISTS system was initially developed for evacuation of power to Haryana DISCOM which later backed out to sign PPA/TSA with ROSA. So UPPCL should not be penalised for Transmission charges of ISTS line built for Haryana DISCOM and so instruction must be accordingly issued to CTU for removal of transmission charges of ROSA stage-II (300 MW).

In addition to support UPPCL claim kindly refer to the judgement order of CERC on petition no. 20 MP/2017 in matter of M/s Kanti Bijlee Utpadan Nigam Limited, New Delhi Vs CTU. In this the petitioner M/s Kanti Bijlee Utpadan Nigam Limited, New Delhi was seeking directions with regard to signing of the LTA agreement by the beneficiaries of the generating station of MGTS stage-II with the CTU along with issue of jurisdiction for schedule of the power from the generating station, non applicability of PoC charges for the power scheduled to Bihar. In the subject matter the Hon'ble CERC have stated following (Order at Annexure-8 refer page no. 60 highlighted portion):-

"55. *Considering the suggestions of ERPC, we are of the view that while computing schedules of Bihar from MTPS Stage-II, ISTS Charge and losses shall not be applicable on schedules of Bihar.*"

In above case it may kindly be noted that M/s Kanti Bijlee Utpadan Nigam Ltd. (a subsidiary company of NTPC Ltd) & Bihar State Power Generating Co. Ltd. had set up a Thermal Power station viz Muzzaffarpur Thermal Power Station (MTPS) having installed capacity of 610 MW



(Stage-I- 2x110 MW, Stage-II- 2x195MW) in Eastern Region. The Stage-I (2x110 MW) of this Thermal Plant is supplying 100% power to Bihar while Stage-II of this plant has several other state beneficiaries including Bihar. Hence, for Stage-II the case is similar of evacuation of power from both ISTS and Intra state power lines with various shareholders (including Bihar) similar to UCH-I, UCH-II & UCH-III in case of U.P.

In view of above it is kindly requested that necessary instructing may kindly be issued for non inclusion of LTA quantum for calculation of transmission charges for UPPCL share in case of UCH stage-II (132 MW), UCH stage-III (66MW) & ROSA stage-II (300 MW).

Yours Faithfully,



(Deepak Raizada)

Chief Engineer (PPA)

No. 260 /EIE & PC/

Dated: 11/03/2022

7c AM

Copy forwarded to following for information necessary action:-

1. Secretary, Central Electricity Regulatory Commission, 4<sup>th</sup> Floor, Chanderlok Building, 36, Janpath, New Delhi- 110001.
2. Managing Director, U.P. Power Corporation Ltd., 7<sup>th</sup> Floor, Shakti Bhawan, Lucknow
3. Director (Market Operation), POSOCO, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi -110016.
4. Director (Corporate Planning), U.P. Power Corporation Ltd., 7<sup>th</sup> Floor, Shakti Bhawan, Lucknow
5. Director (Commercial), U.P. Power Transmission Corp Ltd., 5<sup>th</sup> Floor, Shakti Bhawan, Lucknow
6. General Manager/ Commercial, Powergrid Corporation of India Ltd., "Saudamini" Plot No.2, Sector-29, Gurgaon-122 001.
7. Chief Engineer (E&RS), UPSLDC, Vibhuti Khand, Gomti Nagar, Lucknow.

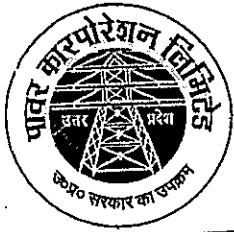
Yours Faithfully,



(Deepak Raizada)

Chief Engineer (PPA)

7c AM



**Office of Chief Engineer  
Power Purchase Agreement Directorate**

14<sup>th</sup> Floor, Shakti Bhawan Extn.,  
14- Ashok Marg, Lucknow- 226001  
Tele Fax: 0522-2218812  
Email: ppare@uppcl.org

Dated: 07, Jan, 2022

Letter No. 16...../CE/PPA

To  
The Member Secretary,  
Northern Regional Power Committee,  
New Delhi

**Sub: UPPCL - CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020  
Sharing of transmission charges in proportion to LTA — Wrongful inclusion of LTA for the  
assets owned by UPPTCL/UPPCL — reduction of LTA — Requested- Regarding.**

Ref: NLDC notification ref TC/11/20, de 28.12.2020

Sir,

Kindly refer to this office letter no. 3755/EIE&PC dated 27.12.2021 (Copy enclosed) vide which issue regarding wrongful inclusion of LTA of certain Generators were being done & were being billed by CTU to UPPCL. In this regard it is to kindly submit that your necessary directions to CTU on subject matter are still awaited from your end.

In view of above it is again requested that following points which were iterated in earlier letter also are brought to your kind notice for issue of further necessary directions to CTU in this regard:-

- 1) Under the Sharing Regulation 2010 regime, transmission charges were allocated based on usage of the transmission assets by the entities to draw their allocated power and independent of the LTA quantum excepting the reliability support charges and HVDC charges, In contrary, the new Sharing Regulations 2020 allocates the charges based on LTA+MTOA quantum irrespective of usage of the ISTS assets except a small portion under usage based component.
- 2) In this connection, it is observed from the notification of NLDC for transmission charges allocation for the billing month of January, 2021 that the total LTA+MTOA considered for UPPCL is 11632 MW In this regard, it is to be mentioned that the total LTA quantum considered for computation includes the quantum allocated to UPPCL from Narora Atomic Power Station (NAPS), UCH-I, UCH-II, UCH-II Tanda II TPS and Rosa Power as detailed below:

Sl. No	Description	NAPS		UCH stage-I (MW)		UCH- stage II- (MW)		UCH- stage III- (MW)		Tanda- II (MW)		Rosa Power	
		Allocation in MW	LTA in MW	Allocation in MW	LTA in MW	Allocation in MW	LTA in MW	Allocation in MW	LTA in MW	Allocation in MW	LTA in MW	Allocation in MW	LTA in MW
1	UPPCL	145.51	147.8	254.86	232.8	144.23	132.8	70.56	65.6	975.53	925.4	300	30
2	Punjab	50.99	45	0.67	0.6	62.08	56	18.02	16.4	0	0	NIL	0
3	Haryana	27.98	24.7	11.00	10	23.02	20.8	11.99	11	0	0	NIL	0
4	Rajasthan	44	38.9	31.42	28.7	73.88	66.7	40.66	37	163.07	153.7	NIL	0

6	Delhi	46.99	41.5	23.98	21.9	47	42.3	29.00	26.4	0	0	NIL	0
5	J & K	74.93	46.8	15.88	13.6	35.95	29.8	15.92	13.1	81.92	71.1	NIL	0
7	Uttarakhand	24.55	19.2	36.37	33	16.30	14.3	13.59	12.1	40.42	37.3	NIL	0
8	Himanchal Pradesh	13.99	12.4	7.27	6.6	12.85	11.6	8.4	7.7	1.85	1.7	NIL	0
9	Chandigarh	9.99	11.2	2.23	2.1	3.70	3.7	1.37	1.4	6.67	7.1	NIL	0
	<b>TOTAL</b>	<b>438.93</b>	<b>387.5</b>	<b>383.68</b>	<b>349.3</b>	<b>419.01</b>	<b>378</b>	<b>209.51</b>	<b>190.7</b>	<b>1273.82</b>	<b>1200.4</b>	<b>300</b>	<b>300</b>

3) It is ascertained that a quantum of 1804 MW (NAPP -147.8 MW + UCH stage I – 232.8 MW and UCH stage II – 132.8 MW, UCH stage III – 65.6 MW, Tanda stage – II 925.4 MW and Rosa Power-300.0 MW) of LTA has been included in computation of transmission charges for the power drawn from NAPP, UCH TPS Stages I, II & III, Tanda –II TPS & Rosa Power by UPPCL. However, it is to be stated that only UPPTCL network is being used/sufficient for drawl of share of power of UPPCL from these stations and ISTS network is not used for the same. The details of UPPTCL network owned, operated and maintained by UPPTCL being used for drawl of power are furnished below:

UPPTCL Transmission lines used for evacuation of power from NAPP

- 220 KV Napp- Sambhal Line
- 220 KV Napp- Simbholi Line
- 220 KV Napp- Atrauli Line
- 220 KV Napp- Khurja Line
- 220 KV Napp- Dehal Line

✓ UPPTCL Transmission lines used for evacuation of power from UCH TPS stage I, II & III (UPPCL share)

- 220 KV Unchahar- Raibareilly (PG) ckt.- I & II
- 220 KV Unchahar- Fatehpur ckt.- I & II

UPPTCL Transmission lines used for evacuation of power from Tanda stage-II (UPPCL share)

- 400 KV Tanda- Sultanpur Line
- 400 KV Tanda- Azamgarh Line
- 400 KV Tanda- Basti ckt.- I & II
- 315 MVA ICT- I & II at Tanda stage-2

✓ UPPTCL Transmission lines used for evacuation of power from Rosa stage-II (UPPCL share)

- 400 KV Rosa- Shahjahanpur ckt. I & II
- 400 KV Rosa- Badaun ckt. I & II
- 200 MVA ICT- I & II at Rosa stage-2

4) Further, it is also to be mentioned that there is no LTA Agreement between UPPCL and PGCIL in respect of the above generating stations. Further, UPPTCL lines are only being used for evacuation of 100% power/ UPPCL Share from these stations and no LTA agreement is warranted, inclusion of a quantum of 1804 MW as LTA share of UPPCL for the above stations is incorrect and illogical. This results in disproportionate and unwarranted increase in the transmission charges of UPPCL, while actually the power is evacuated through State network (for state share).

5) Furthermore, UPPCL is penalized and forced to share the transmission charges of assets on all India basis in proportion to the erroneous quantum of 1804 MW under the New Sharing Regulations 2020. In addition, the All India losses are also shared by UPPCL for this erroneous LTA quantum. This results in irreversible and recurring financial loss to UPPCL.

6) Hence it is requested that urgent action may be taken to remove the erroneous LTA quantum of 1804 MW attributed to UPPCL in respect of NAPS, UCH-I, UCH-II, UCH-III, Tanda TPS stage II and Rosa-II from the total LTA quantum of UPPCL for the purpose of computation of transmission charges. Further the LTA for the billing month of January 2021, to till date may be revised accordingly and notified immediately.

The above subject matter is being again brought to your kind notice with the humble request that necessary instruction may kindly be issued to CTU at the earliest.

Yours Faithfully,

(Deepak Raizada)  
Chief Engineer (PPA)

o/c (AM)

No. 16 /EIE& PC / Dated: 07/01/2022

Copy forwarded to following for information necessary action:-

1. Secretary, Central Electricity Regulatory Commission, 4<sup>th</sup> Floor, Chanderlok Building, 36, Janpath, New Delhi- 110001.
2. Managing Director, U.P. Power Corporation Ltd., 7<sup>th</sup> Floor, Shakti Bhawan, Lucknow
3. Director (Market Operation), POSOCO, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi -110016.
4. Director (Corporate Planning), U.P. Power Corporation Ltd., 7<sup>th</sup> Floor, Shakti Bhawan, Lucknow
5. General Manager/ Commercial, Powergrid Corporation of India Ltd., "Saudamini" Plot No.2, Sector-29, Gurgaon-122 001.
6. Chief Engineer (E&RS), UPSLDC, Vibhuti Khand, Gomti Nagar, Lucknow.

Yours Faithfully,

(Deepak Raizada)  
Chief Engineer (PPA)

o/c (AM)



उत्तर प्रदेश पावर कारपोरेशन लिमिटेड  
(उ०प्र० सरकार का उपक्रम)

U.P. Power Corporation Limited  
(U.P. Government Undertaking)

विद्युत आयात-निर्यात एवं भुगतान मण्डल

Electricity Import-Export & Payment Circle

CIN NO: U32201UP1999SGC024928

11वां-तल, शक्ति भवन विस्तार 14-अशोक मार्ग, लखनऊ-226001 11<sup>th</sup> Floor Shakti Bhawan Ext., 14-Ashok Marg, Lucknow-226001

Letter No. 3312/EIEPC

Dated: 03, Sept, 2021

Central Transmission Utility of India Limited,  
Plot No. 2, Sector-29,  
Gurgaon, Haryana- 122001

Sub: - Transmission Charges & Losses applicability in monthly bills raised by Central Transmission Utility of India Limited (CTU)

Kindly refer to Regulation 13(11) of Chapter 3 (SPECIFIC CASES) of CERC (Sharing of Intra State Transmission Charges and Losses) Regulations, 2020 as stated below:-

*"Where a generating station is connected to both ISTS and intra-state transmission system, only ISTS charges and losses shall be applicable on the quantum of Long Term Access and Medium Term Open Access corresponding to capacity connected to ISTS."*

As clear from above regulation that ISTS charges & losses shall be applicable on the quantum of Long Term Access & Medium Term Open Access corresponding to capacity connected to ISTS only. However, in case of Uchahar-I, II, III & NAPP plants, the same is not connected to ISTS and Intra State Transmission System. So the ISTS charges being taken by CTU in case of above mentioned generating unit are not payable by UPPCL. The details of charges included in the bills from the date of applicability of above notification i.e. Nov' 2020 (billing period) onwards is being enclosed herewith which amounts to Rs. 1796043040

In view of above, it is requested to issue credit note of above amount in favour of UPPCL and the ISTS charges of above generating units viz. Uchahar-I, II, III & NAPP must be excluded/ removed from the future bills being raised to UPPCL by CTU.

Encls: - As above

*A Mehrotra*  
03/09/21

(Alok Mehrotra)  
Suprintending Engineer

Letter No. 3312/EIEPC dated 03/09/21

Copy forwarded to following for information and necessary action:-

1. Member Secretary, NRPC, 18A, SJSS Marg, Katwaria Sarai, New Delhi-110016
2. Director (MO), POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016
3. Director (Corporate Planning), UPPCL, Shakti Bhawan, Lucknow.
4. Director (SLDC), UPPTCL, Lucknow with the request to ensure that applicability ISTS losses in schedule of above generating unit regarding UPPCL.
5. Director (Planning & Commercial), UPPTCL, Lucknow.
6. Chief Engineer (PPA-I)/(PPA-R), UPPCL, Shakti Bhawan, Lucknow.

*A Mehrotra*  
03/09/21

(Alok Mehrotra)  
Suprintending Engineer

उत्तर प्रदेश पावर कारपोरेशन लिमिटेड  
(उपरो सरकार का उपक्रम)

U.P. Power Corporation Limited  
(U.P. Government Undertaking)



विद्युत आयात-निर्यात एवं भुगतान मण्डल  
Electricity Import-Export & Payment Circle

CIN NO: U32201UP1999SGC024928

11वां तल, शक्ति भवन विस्तार 14-अशोक मार्ग, लखनऊ-226001 11<sup>th</sup> Floor Shakti Bhawan Ext., 14-Ashok Marg, Lucknow-226001

Letter No. \_\_\_\_\_/EIE&PC

Dated: - Oct, 2021

Central Transmission Utility of India Limited,  
Plot No. 2, Sector-29,  
Gurgaon, Harvana- 122001

Sub: - Regarding deduction towards ISTS charges of Uchahar-I, II, III, NAPP, Tanda-II and ROSA-II from the Transmission charges first bill raised by C.T.U.

Kindly refer to Regulation 13(11) of Chapter 3 (SPECIFIC CASES) of CERC (Sharing of Intra State Transmission Charges and Losses) Regulations, 2020 as stated below:-

"Where a generating station is connected to both ISTS and intra-state transmission system, only ISTS charges and losses shall be applicable on the quantum of Long Term Access and Medium Term Open Access corresponding to capacity connected to ISTS."

As clear from above regulation that ISTS charges & losses shall be applicable on the quantum of Long Term Access & Medium Term Open Access corresponding to capacity connected to ISTS only. However, in case of Uchahar-I, II, III, NAPP plants & Tanda-II, the same is not connected to ISTS and Intra State Transmission System. Further in case of Rosa-II, intra state transmission line is sufficient to evacuate full power of Rosa TPS & full share of Rosa TPS is allocated to UP DISCOMs only. So the ISTS charges being taken by CTU in case of above mentioned generating unit are not payable by UPPCL.

In view of above, it is to bring to your kind notice that ISTS charges of generating units namely Uchahar-I, II, III, NAPP, Tanda-II and ROSA-II claimed in your first bill of billing period Oct, 2021 will be deducted from overall ISTS charges and therefore net remaining LTA charges (after deducting the ISTS charges of above mentioned generating plants) will be verified by UPPCL for payment (Sheet pertaining to excess LTA and net payment amount annexed).

Encls. As above

(Alok Mehrotra)  
Suprintending Engineer

Letter No. 3472/EIE&PC dated 18/10/21

Copy forwarded to following for information and necessary action:-

1. Member Secretary, NRPC, 18A, SJSS Marg, Katwaria Sarai, New Delhi-110016
2. Director (MO), POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016
3. Director (Corporate Planning), UPPCL, Shakti Bhawan, Lucknow.
4. Director (SLDC), UPPTCL, Lucknow with the request to ensure that applicability ISTS losses in schedule of above generating unit regarding UPPCL.
5. Director (Planning & Commercial), UPPTCL, Lucknow.
6. Chief Engineer (PPA-I)/(PPA-R), UPPCL, Shakti Bhawan, Lucknow.

Received on Date 21/10/21  
Company Representative  
by Post/Dak  
Official Receiving

Sign.

Er R. N. Kulkarni EE  
AM  
21/10/21

Ameht  
18/10/21  
(Alok Mehrotra)  
Suprintending Engineer



उत्तर प्रदेश पावर कारपोरेशन लिमिटेड  
(२००० सरकार का उपक्रम)

U.P. Power Corporation Limited  
(U.P. Government Undertaking)

विद्युत आयात-निर्यात एवं भुगतान मण्डल

Electricity Import-Export & Payment Circle

CIN NO: U32201UP1999SGC024928

11वां तल, शक्ति भवन विस्तार 14-अशोक मार्ग, लखनऊ-226001 11<sup>th</sup> Floor Shakti Bhawan Ext., 14-Ashok Marg, Lucknow-226001

Letter No. 3544/EIE&PC

Dated: 08/11/21

Central Transmission Utility of India Limited,  
Plot No. 2, Sector-29,  
Gurgaon, Haryana- 122001

Sub: - Regarding deduction towards ISTS charges of Uchahar-I, II, III, NAPP, Tanda-II and ROSA-II from the Transmission charges first bill raised by C.T.U.

Kindly refer to Regulation 13(11) of Chapter 3 (SPECIFIC CASES) of CERC (Sharing of Intra State Transmission Charges and Losses) Regulations, 2020 as stated below:-

"Where a generating station is connected to both ISTS and intra-state transmission system, only ISTS charges and losses shall be applicable on the quantum of Long Term Access and Medium Term Open Access corresponding to capacity connected to ISTS."

As clear from above regulation that ISTS charges & losses shall be applicable on the quantum of Long Term Access & Medium Term Open Access corresponding to capacity connected to ISTS only. However, in case of Uchahar-I, II, III, NAPP plants & Tanda-II, the same is not connected to ISTS and Intra State Transmission System. Further in case of Rosa-II, intra state transmission line is sufficient to evacuate full power of Rosa TPS & full share of Rosa TPS is allocated to UP DISCOMs only. So the ISTS charges being taken by CTU in case of above mentioned generating unit are not payable by UPPCL.

In view of above, it is to bring to your kind notice that ISTS charges of generating units namely Uchahar-I, II, III, NAPP, Tanda-II and ROSA-II claimed in your first bill of billing period Nov, 2021 will be deducted from overall ISTS charges and therefore net remaining LTA charges (after deducting the ISTS charges of above mentioned generating plants) will be verified by UPPCL for payment (Sheet pertaining to excess LTA and net payment amount annexed).

Encls: - As above

Alok Mehrotra  
08/11/21

(Alok Mehrotra)

Suprintending Engineer

Letter No. 3544 /EIE&PC dated

Copy forwarded to following for information and necessary action:-

1. Member Secretary, NRPC, 18A, SJSS Marg, Katwaria Sarai, New Delhi-110016
2. Director (MO), POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016
3. Director (Corporate Planning), UPPCL, Shakti Bhawan, Lucknow.
4. Director (SLDC), UPPTCL, Lucknow with the request to ensure that applicability ISTS losses in schedule of above generating unit regarding UPPCL.
5. Director (Planning & Commercial), UPPTCL, Lucknow.
6. Chief Engineer (PPA) (PPA-R), UPPCL, Shakti Bhawan, Lucknow.
6. Executive Director (FLA), UPPCL, 3rd Floor, Shakti Bhawan-14 Ashok Marg, Lucknow.

Alok Mehrotra  
08/11/21

(Alok Mehrotra)

Suprintending Engineer

Alok Mehrotra



उत्तर प्रदेश पावर कारपोरेशन लिमिटेड  
(उपरो सरकार का उपक्रम)

U.P. Power Corporation Limited  
(U.P. Government Undertaking)

विद्युत आयात-निर्यात एवं भुगतान मण्डल

Electricity Import-Export & Payment Circle

CIN NO: U32201UP1999SGC024928

11वां तल, शक्ति भवन विस्तार 14-अशोक मार्ग, लखनऊ-226001 11<sup>th</sup> Floor Shakti Bhawan Ext., 14-Ashok Marg, Lucknow-226001

Letter No. 3756 /EIE&PC

Dated: - 27/12/21, 2021

Central Transmission Utility of India Limited,  
Plot No. 2, Sector-29,  
Gurgaon, Haryana- 122001

Sub: - Regarding deduction towards ISTS charges of Uchahar-I, II, III, NAPP, Tanda-II and ROSA-II from the Transmission charges first bill raised by C.T.U.

Kindly refer to Regulation 13(11) of Chapter 3 (SPECIFIC CASES) of CERC (Sharing of Intra State Transmission Charges and Losses) Regulations, 2020 as stated below:-

*"Where a generating station is connected to both ISTS and intra-state transmission system, only ISTS charges and losses shall be applicable on the quantum of Long Term Access and Medium Term Open Access corresponding to capacity connected to ISTS."*

As clear from above regulation that ISTS charges & losses shall be applicable on the quantum of Long Term Access & Medium Term Open Access corresponding to capacity connected to ISTS only. However, in case of Uchahar-I, II, III, NAPP plants & Tanda-II, the same is not connected to ISTS and Intra State Transmission System. Further in case of Rosa-II, intra state transmission line is sufficient to evacuate full power of Rosa TPS & full share of Rosa TPS is allocated to UP DISCOMS only. So the ISTS charges being taken by CTU in case of above mentioned generating unit are not payable by UPPCL.

In view of above, it is to bring to your kind notice that ISTS charges of generating units namely Uchahar-I, II, III, NAPP, Tanda-II and ROSA-II claimed in your first bill of billing period Nov, 2021 will be deducted from overall ISTS charges and therefore net remaining LTA charges (after deducting the ISTS charges of above mentioned generating plants) will be verified by UPPCL for payment (Sheet pertaining to excess LTA and net payment amount annexed).

Encls: - As above

(Alok Mehrotra)

Suprintending Engineer

Letter No. 3756 /EIE&PC

dated 27/12/21

Copy forwarded to following for information and necessary action:-

1. Member Secretary, NRPC, 18A, SJSS Marg, Katwaria Sarai, New Delhi-110016
2. Director (MO), POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016
3. Director (Corporate Planning), UPPCL, Shakti Bhawan, Lucknow.
4. Director (SLDC), UPPTCL, Lucknow with the request to ensure that applicability ISTS losses in schedule of above generating unit regarding UPPCL.
5. Director (Planning & Commercial), UPPTCL, Lucknow.
6. Executive Director ( F. & A.), UPPCL, 3rd Floor, Shakti Bhawan 14-Ashok Marg, Lucknow.
7. Chief Engineer (PPA-1)/(PPA-R), UPPCL, Shakti Bhawan, Lucknow.

(Alok Mehrotra)

Suprintending Engineer





उत्तर प्रदेश पावर कारपोरेशन लिमिटेड  
(उपरो सरकार का उपक्रम)

U.P. Power Corporation Limited  
(U.P. Government Undertaking)

विद्युत आयात-निर्यात एवं भुगतान मण्डल

Electricity Import-Export & Payment Circle

CIN NO: U32201UP1999SGC024928

11वां तल. शक्ति भवन विस्तार 14-अशोक मार्ग, लखनऊ-226001 11<sup>th</sup> Floor Shakti Bhawan Ext., 14-Ashok Marg, Lucknow-226001

Letter No. 09...../EIE&PC

Dated: - 06/11/2022

Central Transmission Utility of India Limited,  
Plot No. 2, Sector-29,  
Gurgaon, Haryana- 122001

Sub: - Regarding deduction towards ISTS charges of Uchahar-I, II, III, NAPP, Tanda-II and ROSA-II from the Transmission charges first bill raised by C.T.U.

Ref:- 1) 3312/EIE&PC dt. 03.09.2021. 2) 3472/EIE&PC dt. 18.10.2021.  
3) 3544/EI&PC dt. 08.11.2021. 4) 3756/EIE&PC dt. 27.12.2021.

Kindly refer to Regulation 13(11) of Chapter 3 (SPECIFIC CASES) of CERC (Sharing of Intra State Transmission Charges and Losses) Regulations, 2020 as stated below:-

"Where a generating station is connected to both ISTS and intra-state transmission system, only ISTS charges and losses shall be applicable on the quantum of Long Term Access and Medium Term Open Access corresponding to capacity connected to ISTS."

As clear from above regulation that ISTS charges & losses shall be applicable on the quantum of Long Term Access & Medium Term Open Access corresponding to capacity connected to ISTS only. However, in case of Uchahar-I, II, III, NAPP plants & Tanda-II, the same is not connected to ISTS and Intra State Transmission System. Further in case of Rosa-II, intra state transmission line is sufficient to evacuate full power of Rosa TPS & full share of Rosa TPS is allocated to UP DISCOMS only. So the ISTS charges being taken by CTU in case of above mentioned generating unit are not payable by UPPCL.

In view of above, it is to bring to your kind notice that ISTS charges of generating units namely Uchahar-I, II, III, NAPP, Tanda-II and ROSA-II claimed in your first bill of billing period Nov, 2021 will be deducted from overall ISTS charges and therefore net remaining LTA charges (after deducting the ISTS charges of above mentioned generating plants) will be verified by UPPCL for payment (Sheet pertaining to excess LTA and net payment amount annexed).

Encls: - As above

Alokh  
06/11/22  
(Alok Mehrotra)

Suprintending Engineer

Letter No. 09...../EIE&PC

dated 06/11/22

Copy forwarded to following for information and necessary action:-

1. Member Secretary, NRPC, 18A, SJSS Marg, Katwaria Sarai, New Delhi-110016
2. Director (MO), POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016
3. Director (Corporate Planning), UPPCL, Shakti Bhawan, Lucknow.
4. Director (SLDC), UPPTCL, Lucknow with the request to ensure that applicability ISTS losses in schedule of above generating unit regarding UPPCL.
5. Director (Planning & Commercial), UPPTCL, Lucknow.
6. Executive Director (F. & A.), UPPCL, 3rd Floor, Shakti Bhawan 14-Ashok Marg, Lucknow.
7. Chief Engineer (PPA-I)/(PPA-R), UPPCL, Shakti Bhawan, Lucknow.

Alokh  
06/11/22  
(Alok Mehrotra)  
Suprintending Engineer  
06/11/22

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड  
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)  
(भारत सरकार का उदयम)

**CENTRAL TRANSMISSION UTILITY OF INDIA LTD.**  
(A wholly owned subsidiary of Power Grid Corporation of India Limited)  
(A Government of India Enterprise)

Ref. No.: CTU/N/07/NLDC

Date: 08.02.2022

**Executive Director**

National Load Dispatch Centre  
POSO  
61, IFCI Tower, 8<sup>th</sup> & 9<sup>th</sup> Floor,  
Nehru Place, New Delhi – 110019

**Sub: Exemption of LTA quantum (deemed) from Central Generating Stations in UP of Northern Region– reg.**

Dear Sir,

This is with reference to UPPCL letter dated 08/11/21 & 27/12/21 regarding deduction of ISTS transmission charges for UPPCL share out of Unchahar-I, II, III, NAPP, Tanda-II and Rosa-II generation projects in UP.

The matter has been examined and it is observed that evacuation of power from generation projects viz. Unchahar-I (420 MW), NAPP (440 MW) and Tanda-II (1320 MW) for UP share was planned and being evacuated on Intra state transmission system (UPPTCL).

Therefore, Implementing Agency (NLDC) may exempt deemed LTA quantum of UP from the computation of monthly transmission charges in respect of the following generation projects w.e.f. 01/11/20 i.e. from the effective date of Implementation of sharing regulation 2020:

- Uttar Pradesh quantum of share from Unchahar Stage-I (420 MW)
- Uttar Pradesh quantum of share from NAPS (440 MW)
- Uttar Pradesh quantum of share from Tanda -II (1320 MW)

Thanking you,

FIG to Dir (CP) for  
kind information

*Ashish*  
10/02/22

836  
17/02/2022  
दि. 02/02/2022

Yours faithfully,

*P C Garg*  
(P C Garg)  
COO (CTU)

Copy to :

**The Secretary**

Central Electricity Regulatory Commission,  
3<sup>rd</sup> & 4<sup>th</sup> Floor, Chanderlok Building,  
36, Janpath, New Delhi-110001

08/02/2022, 10:36

Gmail - Exemption/non exemption of ISTS transmission charges

Gmail

अध्यक्ष <chairmanuppcl@gmail.com>

### Exemption/non exemption of ISTS transmission charges

1 message

Kashish Bhambhani (कशिष भम्भानी) <kashish@powergrid.in> Thu, Feb 17, 2022 at 7:40 PM  
 To: "seiepclko@upptcl.org" <seiepclko@upptcl.org>, "sespatcuppcl@yahoo.com" <sespatcuppcl@yahoo.com>, "directorcp.uppcl@gmail.com" <directorcp.uppcl@gmail.com>, "director-com@uppcl.org" <director-com@uppcl.org>, "chairmanuppcl@gmail.com" <chairmanuppcl@gmail.com>, "mduppcl12@gmail.com" <mduppcl12@gmail.com>  
 Cc: "P C Garg (पी.सी. गर्ग)" <pcgarg@powergrid.in>, Mukesh Khanna (मुकेश खन्ना) <mkhanna@powergrid.in>, "V Srinivas (वी. श्रीनिवास)" <vsrinivas@powergrid.in>, Ashok Pal (अशोक पाल) <ashok@powergrid.in>, Jasbir Singh (जसबीर सिंह) <jasbir@powergrid.in>, Mohammad Faisal (मोहम्मद फैसल) <faisal@powergrid.in>, NARESH BHANDARI <ms-nrpc@nic.in>, Ankita Singh (अंकिता सिंह) <ankita@powergrid.in>, R NARENDRA SATHVIK (नरेंद्र सात्विक आर) <rsathvik@powergrid.in>, Roushan Kumar (रौशन कुमार) <roushan.k@powergrid.in>, Sandeep Kumawat (संदीप कुमावत) <sandeepk@powergrid.in>, Yatin Sharma (यतिन शर्मा) <yatinsharma@powergrid.in>

आर. पी.एस. निदेशिका (क्र.प्रा.नि. 21/02/2022)

1595/GCM/22  
20.2.22

Dear Sir

In reference to UPPCL letter dated 08.11.21 & 27.12.21 as well as discussion held in 44<sup>th</sup> Commercial Subcommittee meeting of NRPC held on 14.02.2022, please find enclosed letter from CTUIL on the subject matter.

Regards

Kashish Bhambhani

CTUIL

MD, PCL

18/02/2022  
(M. Devaraj)  
Chairman

दावात्याग: यह ईमेल पावरग्रिड के दावात्याग नियम व शर्तों द्वारा शासित है जिसे <http://apps.powergrid.in/Disclaimer.htm> पर देखा जा सकता है।  
Disclaimer: This e-mail is governed by the Disclaimer Terms & Conditions of POWERGRID which may be viewed at <http://apps.powergrid.in/Disclaimer.htm>

Letter-UPPCL\_17.01.22.pdf  
68K

677/MOST/2022  
21/02/2022

Dir (CP)  
21.2.22

CE (PPA)

(अश्वनी कुमार)  
अध्यक्ष निदेशिका  
उत्तर प्रदेश पावर कॉर्पोरेशन लि.

(Ashwani Kumar Brivastava)  
Executive (Corporate Planning)

Eo R.N. Kushwaha  
AM  
22/02/22

924 22/02/22  
उत्तरी सं. दे. वि.अ.नि.पू.सं.

22/02/22  
SF-SPATC/EL/ED

CE (PPA)

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड  
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)  
(भारत सरकार का उदयम)

**CENTRAL TRANSMISSION UTILITY OF INDIA LTD.**  
(A wholly owned subsidiary of Power Grid Corporation of India Limited)  
(A Government of India Enterprise)

Ref. No.: CTU/N/07/UPPCL

Date: 17.02.2022

**Chief Engineer**

Power Purchase Agreement Directorate,  
Uttar Pradesh Power Corporation Ltd. (UPPCL)  
14<sup>th</sup> floor, Shakti Bhawan Extn.,  
14- Ashok Marg, Lucknow – 226001

**Sub: Exemption/Non-exemption of LTA quantum (deemed) from Central Generating Stations in UP of Northern Region- reg.**

Dear Sir,

This is with reference to UPPCL letter dated 08/11/21 & 27/12/21 regarding deduction of ISTS transmission charges for UPPCL share out of Unchahar-I, II, III, NAPP, Tanda-II and Rosa-II generation projects in UP.

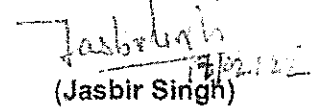
The matter was examined and it was observed that evacuation of power from generation projects with UP share, which were planned with Intra state transmission system (UPPTCL) at the time of commissioning of the respective generation projects, should be exempted Inter state transmission charges corresponding to state share. Above methodology/Philosophy was also adopted by SRPC vide letter dated 16.12.21 which has communicated the recommendations of the Sub-Group which was deliberated in 39<sup>th</sup> SRPC/TCC meeting.

Based on above, CTU vide letter dated 08/02/22 to NLDC recommended exemption of deemed LTA quantum of UP from the computation of monthly transmission charges in respect of Unchahar-I (420 MW), NAPP (440 MW) and Tanda-II (1320 MW) projects.

Further, as other generation projects viz. Unchahar-II (420 MW), Unchahar-III (210 MW) and Rosa-II (2x300 MW with LTA for 300 MW) were planned along with Inter state transmission system, therefore transmission charges w.r.t LTA/deemed LTA quantum for UPPCL has not been recommended for exemption.

Thanking you,

Yours faithfully,

  
(Jasbir Singh)

Chief General Manager

Copy to :

**Member Secretary**  
Northern Regional Power Committee  
18A, Shaheed Jeet Singh  
Sansanwal Marg, Katwaria Sarai,  
New Delhi – 110 01636.

**सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड**  
**CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED**  
 (Wholly Owned Subsidiary of Power Grid Corporation of India Limited)  
 (A Government of India Enterprise)

Ref. No. C/CTU/COMM/NRPC/01

Date: 22-03-2022

To  
 Member Secretary,  
 Northern Regional Power Committee  
 18-A, Qutab Institutional Area, Shaheed Jeet Singh Marg,  
 Katwaria Sarai, New Delhi-110 016

**Kind Attn: Shri Naresh Bhandari**

**Sub: OPGW installation on two no. of existing lines which are to be LILoed at new Dausa Substations under TBCB project**

Dear Sir,

This is with reference to upcoming TBCB project that is under bidding "Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under phase III –Part H"

Under the said transmission system, a new substation Dausa is proposed to be established by LILoing the following two existing lines:

- A. 765kV D/c (2x S/c) Jaipur (Phagi)(RVPNL) – Gwalior line (312 kms.)
- B. 400kV D/c Agra – Jaipur (South)(PG) line (254 kms.)

As OPGW is not available on both of above two nos. existing lines, CTU has proposed a scheme for OPGW installation by replacing one no. of earthwire on the following lines alongwith terminal equipment to provide data & voice connectivity of New Dausa S/s:

- A. 765kV S/c Jaipur (Phagi) (RVPNL) – Gwalior line (312 kms.) (One 765 S/c is proposed)
- B. 400kV D/c Agra – Jaipur (South)(PG) line (254 kms.)

Details of the scheme are given at **Annexure-I**.

In line with MoP office order no. 15/03/2017-Trans-Pt (1) dated 09.03.2022 regarding "Guidelines on Planning of Communication System for Inter-State Transmission System (ISTS)- reg", as per clause 5 for Category (B) Communication Schemes/Packages proposed by CTUIL for upgradation/modification of existing ISTS Communication System shall be put up to RPC for their views. RPC to provide their views on the Schemes/Packages proposed by CTUIL within 45 days of receipt of the proposal from CTUIL.

Clause 5 for category (B) is stipulated below:

*"Communication Schemes/Packages proposed by CTUIL for upgradation/modification of existing ISTS Communication System, standalone projects, adoption of new technologies*

सेंद्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड  
CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED  
(Wholly Owned Subsidiary of Power Grid Corporation of India Limited)  
(A Government of India Enterprise)

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*shall be put up to RPC for their views. RPC to provide their views on the Schemes/Packages proposed by CTUIL within 45 days of receipt of the proposal from CTUIL”.*

In consideration of above, it is requested that NRPC may forward their views in respect of the scheme attached at **Annexure-I** at the earliest, so that the scheme may be taken up promptly for consideration in the NCT meeting along with the views of NRPC.

Thanking you,

Yours faithfully,

काशाल

H S Kaushal  
Sr. General Manager (CTUIL)

Encl: As Above

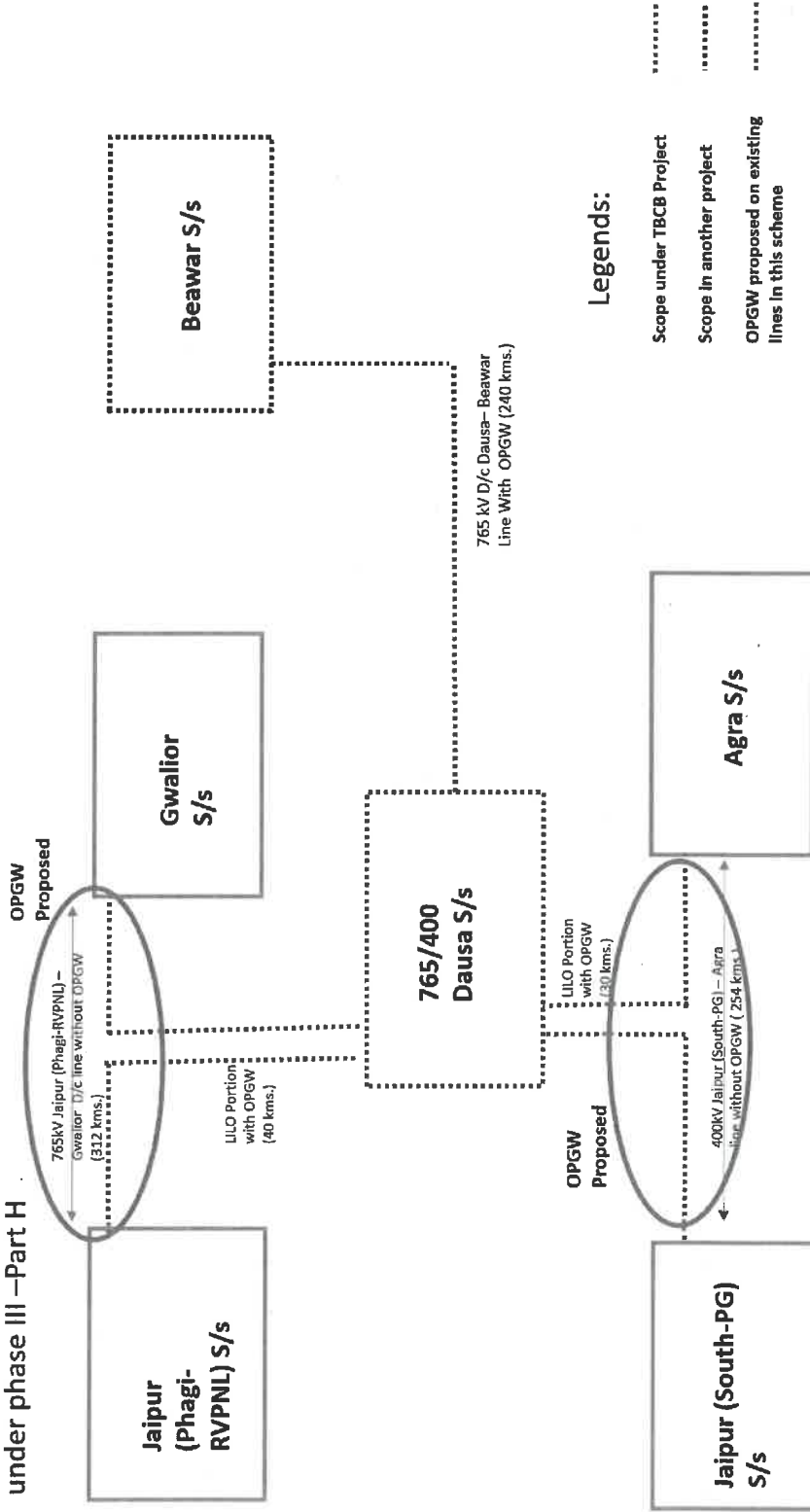
**Annexure-I**

**OPGW installation on two no. of existing lines which are to be LILOed at new Dausa Substations under TBCB project**

<b>S. No.</b>	<b>Items</b>	<b>Details</b>
1.	Name of Scheme	Supply and Installation of OPGW on two no. of existing lines which are to be LILOed at new Dausa Substation under TBCB project namely “ <i>Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under phase III –Part H</i> ”
2.	Scope of the scheme	The OPGW installation on the following two lines by replacing the existing one no. earthwire by Live Line installation alongwith terminal equipment:  A. 765kV S/c Jaipur (Phagi) (RVPNL) – Gwalior line (312 kms.) (One 765 S/c is proposed) B. 400kV D/c Agra – Jaipur (South) (PG) line (254 kms.)
3.	Depiction of the scheme on FO Map	<b>Annexure-II</b>
4.	Objective / Justification	<p>A new substation Dausa is proposed to be established by LILOing the following two existing lines :</p> <p>A. 765kV D/c (2x765 S/c) Jaipur (Phagi) (RVPNL) – Gwalior line (312 kms.) B. 400kV D/c Agra – Jaipur (South)(PG) line (254 kms.)</p> <p>Both the lines are owned by POWERGRID. Further, it is to mention that, OPGW on the LILO portion is envisaged along with the construction of the proposed lines under TBCB project.</p> <p>Connectivity diagram of the scheme is attached at <b>Annexure-II</b>. From the diagram, it is apparent that, there is no OPGW on the abovesaid existing main lines and without OPGW availability on these main lines, redundancy of data communication of the new Dausa substation to RLDC cannot be maintained. Further OPGW installation on above lines shall create one more inter-regional communication paths and one additional connectivity to RVPNL communication network.</p> <p>Thus, OPGW needs to be provided by replacing one earthwire on both the main existing lines and integrating it with OPGW of the upcoming LILO section.</p>
5.	Estimated Cost	Rs. 20 Crore (approx.)
6.	Implementation timeframe	Matching with time frame of “ Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under phase III –Part H ”

8

Proposed Communication for Transmission system for evacuation of power from REZ in Rajasthan (20 GW) under phase III –Part H



*[Handwritten signature]*



# Northern Region (NR) Communication Link

# CTUIL

DELHI

EASTERN REGION

WESTERN REGION

OPGW Proposed for Installation

**LEGEND**

- THERMAL/GAS GENERATION
- HYDRD GENERATION
- EXISTING
- - - UNDER CONSTRUCTION
- TBCB(PVT)
- STM-1
- STM-4
- STM-16
- SLDC
- ☑ RLDC

