



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत संचार विकास प्रभाग

Power Communication Development Division



No. CEA/PCD/110th CLPTCC/

Date: 23.11.2020

**All Members Central PTCC
(As per attached list)**

Subject: 110th Central Level Power and Telecommunication Coordination Committee (CLPTCC) Meeting - Regarding

Sir,

In continuation to our letter of even number dated 31.08.2020, please find attached herewith agenda of the 110th CLPTCC meeting (also available at https://cea.nic.in/ptcc_meetings.html).

The meeting is scheduled to be held on 15.12.2020 at 11:00 HRS over video conferencing. The link for the online meeting will be shared in due time. You are requested to kindly communicate the nomination of a participant well conversant with the PTCC process, along with email and contact, for the meeting through email at prateek.sri@gov.in and cc to celdntcea@gmail.com latest by 08.11.2020.

This issues with the approval of Chairman, CLPTCC.

**(Prateek Srivastava)
Assistant Director-II**

Copy for kind information to:

Co-Chairman, CLPTCC - Chief General Manager, Inspection and QA Circle, BSNL, Sanchar Vikas Bhawan, Residency Road, Jabalpur-482001

**Central Electricity Authority
Power Communication Development Division**

THE 110TH CENTRAL LEVEL PTCC MEETING

Date: 15.12.2020 Time: 11:00 HRS

Via Video Conferencing

A. Confirmation of minutes of the 109th CLPTCC meeting

The Minutes of the 109th Central PTCC meeting held on 24th January, 2020 at Jaisalmer were prepared and circulated by CEA. The same were also uploaded on the website at http://cea.nic.in/reports/committee/ptcc/minutes_meeting/minutes_109.pdf

Members may deliberate and confirm the minutes.

B. Follow-up action on decisions taken in the 109th CLPTCC meeting

B.1 Computerization of PTCC Route Approval Process and authorization to private power utilities for online submission of PTCC proposals

In the 108th CLPTCC meeting, BSNL stated that creation of user id for private power utilities in the PTCC portal will be considered during the development of V.2 of the application. In the 109th CLPTCC meeting, BSNL informed that migration of PTCC web portal to high capacity servers installed at data center, Bengaluru has been completed on 12.07.2019 and flowcharts for PTCC process for all categories of electric lines have been prepared and comments from CEA side were awaited. CEA informed that CEA had written mails to BSNL on 23rd September, 2019 and 10th October, 2019 for arranging a meeting to discuss the flowchart and PTCC portal with the personnel involved in the development, however, no reply from BSNL was received till the date of 109th CLPTCC Meeting.

In the 109th CLPTCC Meeting it was decided that a meeting between CEA and BSNL would be held at New Delhi to finalize the flowchart.

Due to prevalent Covid-19 pandemic situation, physical meeting could not be convened. A meeting was held between CEA and BSNL over video conferencing on 03.11.2020 to discuss the flowcharts. During discussion, some deviations were observed which are being resolved by officers from CEA and BSNL. Work on Version 2 of PTCC portal will commence after finalization of flowcharts.

B.2 PTCC approval for power Cables

In the 107th CLPTCC meeting it was decided that induction due to power cables of voltage level 33 kV and below on nearby telecom cables will be less due to double screening effect of power cable and telecom cable. Hence, it is sufficient that power utilities forward the self-certification mentioning the name of the power cable with route length, along with Railway NOC, EPR values of the new substations and topo map to the concerned zonal DE (PTCC)/SDE (PTCC) and BSNL SSAs. If no objection or report is received from the concerned BSNL SSAs within a month's time, the power

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utilities can charge the power cable. The date of charging of power cable may be intimated to the concerned zonal DE (PTCC)/SDE (PTCC) and BSNL SSAs by the Power Authority.

Accordingly, BSNL has issued the guidelines vide letter dated 13.03.2019 [**Annexure-B.2(1)**]. CEA had following suggestions/comments on the guidelines:

(1): IV on Railway telecom circuits are much less (about 20 %) than IV on BSNL telecom circuits. Hence, IV calculation may be waived off for Railway telecom circuits as decided for BSNL cables. CEA suggests that Railway & Defense NOC may be waived off for PTCC clearance of UG power cables of 33 kV and less,

(2): (i) Minimum depth of laying for power cables under 33 kV is already given at clause 6.3.2, page 137 of PTCC Manual. CEA opines that this may be considered in the guidelines, and

(ii) Point no. (ii), page 171 of PTCC Manual states: "The value of minimum clearance for UG power cables to be kept as 0.3 meters for 33 kV and less and 0.6 meters for 33 kV and above." CEA opines that separation may be taken as 0.3 meters for 33 kV (both S/C and D/C) and below UG power cables.

Joint Director (Telecom), Railway Board in the last meeting stated that Railway NOC cannot be waived off because safety circuit are also working on Telecom cable.

BSNL had following observations on CEA's comments:

(1) 33 kV D/C carry twice the amount of power than the 33 kV S/C transmission line and comes under EHT category as the voltage is exceeding 36 kV between phases.

(2) 33 kV D/C lines are referred to DE (PTCC) and RAC is being issued by DE (PTCC) as it comes under EHT line category and the effect of induction is 8 km on either side of power line, but for 33 kV S/C line cases are referred to and RAC is being issued by Chairman (SLPTCC) and the effect of induction is only 5 km on either side of power line.

(3) As per PTCC Manual (page 62) the minimum clearance between the power wires and telecommunication wires shall be plus 0.3 meters for every 33 kV or part thereof. Hence for 33 kV D/C power cables, the minimum clearance between the power cables and telecommunication cables is 0.6 meters given in PTCC Manual (page 171).

(4) Also, as per Electrical safety standard for LV/MV/HV (part 3), lying of telecom cables with the power cables greater than 33 kV:

(i) Power cables of voltage exceeding 33 kV shall be laid at Minimum distance of 1.2 meters depth.

(ii) U/G telecom cables shall be with UG power cables of voltage exceeding 33 kV, Minimum 0.6 meters separate from power cables.

Hence for the safety aspect of telecom assets, the value of minimum clearance between 33 kV D/C power cables and telecom cables may be continued as 0.6 meters.

CEA observation on BSNL comments

Point no. (1) made by BSNL above is invalid as voltage rating itself is given between phases and figure of 36 kV between phases is not credible. Page 62 of

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PTCC manual mentions separation of “plus 0.3 meters “for power lines above 245 kV voltage level, hence point no. (3) above irrelevant in this case. Standard mentioned in point no. (4) above pertain to power cables of voltage exceeding 33 kV. For cables under and including 33 kV voltage level, suggestions given above by CEA should be considered.

After detailed deliberations in the last meeting, it is decided that:

- Defense and Railways NOC cannot waived off, and
- BSNL will issue revised guidelines with changes suggested by CEA.

Accordingly, BSNL has issued revised guidelines vide letter dated 23/11/2019 [Annexure-B.2(2)]. However, CEA observed that the revised guidelines are still not aligned with observations.

In the 109th CLPTCC Meeting it was decided that CEA will issue the guidelines for laying the power cables based on the present CEA safety regulations and National/International practices.

While preparing the guidelines, CEA had following observations related to UG power cables of voltage level upto 33 kV:

(a) The number of UG power cables of voltage level upto 33 kV being laid is high and the time taken for laying of these cables is very less. Therefore, their PTCC clearance needs to be expedited.

(b) The induction due to such power cables will be less due to double screening effect of power cable and telecom cable as well as due to low value of fault current.

(c) Waiving off Induced Voltage calculation for BSNL telecom cables alone will not reduce time taken in PTCC clearance.

Considering above and GoI’s resolution of “Ease of Doing Business”, CEA urges Railway and Defense to reconsider waiving–off IV calculation on their respective circuits in this case. If Railway and Defense agree to this proposition, CEA will issue guidelines regarding PTCC clearance of UG power cables of voltage level upto 33 kV on self-certification basis.

B.3 Revision of PTCC Manual – Agenda by CEA

In the last meeting, it was brought up by CEA that last revision of PTCC manual was done 10 years back and many decisions by the CLPTCC have been taken during this period. Further, there has been adoption of new technologies in generation, transmission, distribution and use of electricity resulting in faster clearance of the faults. Therefore, there is a need to revise the PTCC manual. CEA suggested to form a committee for revising the manual.

All members of the forum agreed to review the PTCC manual. It was decided that CEA would form a committee with members from BSNL, Railway, Defence and Power Utilities. Chief Engineer, PCD, CEA suggested to include Distribution division of CEA in the committee for which the forum had accepted.

CEA invited nominations for the Committee (letter enclosed at Annexure B.3) and nominations have been received. Email and contact details from Defense are pending for which CEA has written a letter to Defense. The draft for revised PTCC Manual is being prepared and will be circulated among the Committee members for comments.

Defense may update.

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B.4 Clarification on safe limit of IV for South Western Railway telecom circuits-agenda by KPTCL

In the last meeting, KPTCL requested for clarification on safe limit of induced voltage on South Western Railway network for issuing NOC. South Western Railway vide their letter dated 10.10.2019 had given NOC for the line 220 kV D/C LILO lines on MC Towers from the existing 220 kV Ghataprabha – Chikkodi D/C line to proposed 220/110 kV S/S at Kabbur (Mugalkhod) [Annexure-B.4(1)] and subsequently vide letter dated 18.10.2019 has withdrawn [Annexure-B.4(2)] the NOC. South Western Railway vide letter dated 21.10.2019 has written a letter to Railway board for guidelines for safe limit for IV for working of Universal Fail Safe Block Instruments and Solid State Proving Axle Counter (SSBPAC) and protective devices to protect them. [Annexure-B.4(3)]

It was decided that CEA would take up the matter with Railway Board.

CEA has written a letter to Director (Tele), Railway Board [Annexure B.4(4)].

Railway may update.

C. New Agenda

C.1 New Agenda from BSNL

1. BSNL had sought opinion from CEA on requirement of PTCC clearance for laying of armored OFC cable in BSNL U/G OFC network. CEA has replied that Chapter 3 Section C of PTCC Manual 2010 provides the procedure for the same and therefore, BSNL may submit the PTCC proposal in accordance with the manual [**CEA letter enclosed at Annexure-C.1**]. BSNL requests that PTCC clearance in case of laying of Armoured OFC cable in BSNL U/G OFC network may be waived off since other telecom authorities (Railway for example) are not taking PTCC clearance.

2. **DE (PTCC) NORTH:** The PTCC proposals for transmission lines of 132 KV and below are not being submitted by Uttarakhand State Electricity Board & Delhi Transco Ltd. BSNL requests that a letter to SLDC may be written by Chief Engineer, CEA, New Delhi.

Members may deliberate.

C.2 Agenda by Kerala State Electricity Board Limited (KSEBL)

Calling attention to the reduced level of activity at State Level PTCC

It is more than one year since the State Level PTCC for Kerala had its meeting. The last meeting was hosted by KSEBL on 25.06.2019 and hence the turn to host the next meeting was with BSNL. Despite our repeated reminders, the pending meeting could not be convened yet. The non-conduct of the meeting has its adverse effect on the follow up and timely disposal of a large number of cases seeking PTCC clearance, which has attained a worrying proportion for KSEBL by now. It may be noted that the situation has been prevailing prior to the COVID 19 outbreak, and the latter obviously worsened the scene. Committee may intervene in the matter so that the state level PTCC resumes its normal functioning.

Members may deliberate.

C.3 Agenda by Rajasthan Rajya Vidyut Prasaran Nigam Ltd (RRVPL)

Online submission of PTCC route Approval cases

PTCC cases are uploaded online on the web portal of BSNL. However, after uploading there is no facility of tracing the pendency status. The online process should facilitate transparency & expeditious disposal of pending applications of PTCC route approvals. For tracking at every stage, the agency at which application is pending along with date/time period of pendency should be displayed. Also the details of Route Approval Certificate and Energisation Certificate should also be displayed.

Non submission of telecommunication details from defence

Provisional Route approval certificates are being issued by the DET (PTCC), BSNL, New Delhi, in cases where Defence NoC/details are pending since long. The provisional RAC has a validity of 60 days but after lapse of further 60 days if the Defence details are not received, the applicant has to re-apply for provisional RAC. One such case was of JMRC (Jaipur Metro Rail Corporation) for 33 KV D/C line from Chandpole to Badi Chaupar. The requirement of re-applying after 60 days for works of Government agencies like Railways, Metro, National Highways, Power utilities should be waived.

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It is further requested that after time limit allotted to each department for providing Telecom details, as per PTCC Manual 2010 and further grace period of one or two months RAC should be issued and damages occurred if any should be chargeable on delaying agency.

Members may deliberate.

C.4 Agenda by Karnataka Power Transmission Corporation Limited (KPTCL)

KPTCL is requesting the CLPTCC forum for directing the BSNL authorities ie. DET (PTCC) Chennai to release RAC as deemed EA if,

- a) No assets exist in EPR zone
- b) No GD tube protection is recommended.

The EPR zone details were communicated to the concerned BSNL SSA/District Telecom Officer along with the PTCC proposal with request to ensure the nonexistence of assets in EPR zone for the proposed SS and requesting to release the assets clearance along with topo map. The concerned SSA's/District Telecom Officers are marking the Telecom Details on the topo map and forwarding this marked topo map to DET (PTCC) Chennai for further processing the case for issue of RAC. But here Assets in EPR zone is not taken care while issuing of RAC, again BSNL authorities of Karnataka are taking concurrence from respective SSA's/District Telecom Officer regarding the Assets in EPR zone and then releasing EA.

Hence it is proposed that,

While forwarding the marked topo map, the concerned SSA/District Telecom Officer should communicate the assets in EPR zone and if there are no assets in the EPR zone while processing the RAC by DET (PTCC) Chennai, by mentioning in the letter number regarding no assets in EPR zone, instructions should be written in RAC stating that this is to be treated as "DEEMED EA".

In this regard it is requested to consider the said concept for fulfilling the conditions of PTCC.

Members may deliberate.

C.5 Agenda by SRTS-II, PGCIL Bangalore

1. Request, for kind support from BSNL in expediting the field marking and confirming the details of assets in EPR zone along with the field report to avoid the same after Route Approval. This will enable the power utilities to take necessary action to improve EPR if any asset is within the range or shift the asset, instead of waiting for RAC.
2. As per 105th CLPTCC meeting minutes para D.2 it is decided that "the PTCC route approval certificate, where there is no requirement of protection, would be considered as "Deemed EA", accordingly this condition was being included by BSNL after the 108th meeting minutes para C.1. in the RAC [Annexure C.5]. However, vide 109th CLPTCC meeting minutes this condition was nullified. In view of this the RAC is being issued without the deemed EA and power utilities are devoid of EA inspite of no requirement of protection & IV less than 430V. It is requested to reinstate the "DEEMED EA" condition in RAC, with no requirement of protection.

Members may deliberate

D. Pending follow-up action on decisions taken in 109th CLPTCC meeting

D.1 Charging of transmission lines without PTCC Route Approval by PTCUL

In the 108th CLPTCC meeting DE (PTCC), NZ, BSNL informed that PTCUL has submitted 12 cases for post facto PTCC approval. Out of 12 nos. of cases of PTCUL, RAC for 5 cases have been issued. IV calculation has been received (up to 132 kV) for 6 cases, but RAC is pending due to want of NOC from Defense and Railways. IV calculation (Above 132 kV) is awaited from CEA for 1 case.

Joint Director, Railway Board (Telecom), New Delhi informed that no such case is pending at Railway side for NOC. PTCUL may submit such cases for which NOC are pending, to GM (S&T), Northern region, Baroda House, New Delhi. CE (PCD), CEA informed that no case received from PTCUL side.

After detailed deliberations, it was decided that PTCUL may take up the matter with Railways and CEA.

BSNL in its agenda informed that out of 12 cases of PTCUL for post facto PTCC approval, RAC for 9 cases have been issued, 2 cases (Below 132 KV) are pending due to want of NOC from Railways, and 1 case (Above 132KV) is pending at CEA for IV calculation.

PTCUL was supposed to apprise regarding the follow-up with Railway and CEA, however, due to no representation from Railway and PTCUL the item was not discussed.

Comment from BSNL DE (PTCC, North)

Two cases (132 KV) and 1 case (220 KV) is still pending due to Railway NOC. PTCUL has not taken any initiative.

No follow-up/action taken report received from PTCUL.

D.2 Details of Nodal officers of Defense for disposal of PTCC cases at nodal level

In the 106th meeting Defense representative informed that seven zones have been identified. Each zone will have a nodal officer. He informed that Defense has undertaken a project of "Network for Spectrum (NFS)" being implemented by BSNL. This project would realign the existing communication system in Defense sector. He also assured that once this project is completed, nodal officer will have the data of communication system in their respective zone and PTCC cases would be disposed of at nodal level without any requirement to go to ground level for marking of Defense telecom details. Defense representative informed that details of nodal officer will be communicated after completion of NFS project.

Due to no representation from Defence side, the item was not discussed.

No follow-up/action taken report received from Defense.

D.3 Long Pending PTCC case of 132 kV from OPTCL Odisha

In the 107th CLPTCC meeting, BSNL informed that 23 nos. of PTCC case of 132 kV are pending due to non-receipt of IV calculation from OPTCL, Odisha since long time. Out of these 23 cases, 1 case is pending since 2012, 2 cases since 2013, 2 cases since 2014, 2 cases since 2015, 5 cases since 2017, 9 cases since 2018 and 2 cases of current year. In the 107th CLPTCC meeting, DGM EHT(C), OPTCL was

informed that cases are pending due to non-receipt of NOC from Railway (ECR). In the 108th CLPTCC, Joint Director(Telecom), Railway Board, New Delhi stated that long pending cases will be resolved at the earliest.

There was no representation from Railway. OPTCL informed that Railway (ECR) is yet to issue NOC. It was decided that OPTCL would furnish the details of the pending cases for want of railway NOC to CEA and CEA would take up the matter with Railway Board.

CEA: OPTCL has not furnished the details of pending cases to CEA to this date.

BSNL: DE (PTCC), East has written to Sr. GM, OPTCL Bhubaneswar regarding this issue on 02.09.2020 (**letter enclosed at Annexure D.3**).

No follow-up/action taken report received from OPTCL.

D.4 Charging of transmission lines without PTCC Route Approval by PSTCL, Punjab- agenda by BSNL

In the last meeting, BSNL informed that PSTCL, Punjab has charged its transmission lines without PTCC approval.

Till the commencement of last meeting, 11 cases of 220 kV & above of PSTCL and 8 cases of 66KV of PSPCL were pending with DE (PTCC), north zone, BSNL, Delhi since a long time. During the discussion between DE (PTCC), North and PSTCL authority regarding long pendency, it had come to the notice that all lines already charged without issuance of RAC.

The forum had suggested PSTCL to apply for post facto PTCC approval

No follow-up/action taken report received from PSTCL.

D.5 Agenda items from MSETCL:

- 1. Clearance time limit-**For PTCC proposals of Power lines/ cables for which total PTCC clearance exceeds the stipulated time period i.e 17 weeks for 132 kV & below, 19 weeks for 220 kV & above and further reduced (10 weeks & 13 weeks) for Renewables / Traction circuits. CEA should take cognizance of above and thus direct DE (PTCC), Mumbai for issuance of final PTCC RACs. (List 1 & 2 for 400/220kV & 132kV PTCC cases attached [**Annexure-D.5(1) & (2)**])
- 2. Provisional PTCC RAC format in line with Final PTCC RAC-** In 107th CLPTCC meeting, this issue was raised by MSETCL as additional agenda but was not covered in the MoM. Again, MSETCL insists upon the fact that the format for Provisional as well Final PTCC RAC should be in same tuning.
- 3. RAC of Short Length Power lines (less than 5 km)-** For PTCC proposals of Power lines/ cables having short length, PTCC RAC should be directly issued by DET (PTCC) since construction work gets completed in very short period as compare to RAC issuing time limits. Though a copy of complete set of PTCC proposal will be sent to concerned authorities i.e. CEA, DET, Railways, BSNL field and Defense for intimation. Though in 107th CLPTCC meeting, the time limit for issuance of PTCC RAC for all power lines / cables having length less than 5 km was revised as 10 weeks for 132 kV & below, 13 weeks for 220 kV & above. But the same was not adhered to as MSETCL's PTCC cases are pending for want of BSNL TD from DET (PTCC), Mumbai.

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4. **TD details by DET-** Of late, it is observed that PTCC cases are pending mostly for want of TD by DET (PTCC) Mumbai. At present the practice is that SDE from DET (PTCC) office visits field for each and every individual case for telecom marking causing delay in forwarding TD to CEA/MSETCL for IV computation. Rather, BSNL field offices should mark telecom details and send it to DET office for compilation and further processing as rightly depicted in PTCC Manual 2010. It is therefore requested that DET-PTCC, Mumbai should impart a training session for BSNL field offices for 'How to mark telecom cables in topo sheet as per the guidelines given in PTCC Manual 2010' i.e. considering the soil resistivity, length of telecom cable, separation distance etc. In 107th CLPTCC meeting also, this issue was raised by MSETCL without any positive outcome.
5. **Charging of power line-** Of late, it is observed that though time limit is fixed for PTCC clearance, the process gets delayed inordinately (because of non-adherence of time limits by various authorities) putting Power Authorities at receiving end. It is to be noted by concerns that Power Authorities cannot afford to wait indefinitely for charging the lines for want of PTCC RAC since works undertaken are completed in time bound manner mainly for economic factor involved.
6. **Online Registration-**MSETCL is trying to get registered online for the last 4 years or so, for online processing of PTCC cases for better transparency. In the last CLPTCC (108th) meeting, this issue was also raised by MSETCL without any outcome.

The committee discussed the issues pertaining to MSETCL and following were decided.

- 1) BSNL and MSETCL may coordinate for the fast issuance of BSNL telecom Details.
- 2) Provisional RAC shall have the same format as Final RAC.
- 3) Provisional RAC shall be issued for a period of 60 days at a time.
- 4) Power Authorities shall give proper justification for urgency of charging of transmission line and same will be verified by CEA.
- 5) Regarding, online registration, MSETCL had an account but the credential of the account was not passed within MSETCL. BSNL has shared the online login credentials with MSETCL representative.
- 6) All DETs shall send a copy of RAC to CEA by Email.

No follow-up/action taken report received from MSETCL.

In case the follow-up/ATR of the agenda under this section is not received by the next meeting, it may be presumed that the matter has been resolved and the concerned agenda may be dropped.

कार्यालय मुख्य महाप्रबंधक
गुणवत्ता आश्वासन एवं निरीक्षण परिमंडल
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भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

BSNL 3G))) BSNL LIVE
Faster than your thoughts 2018

No. CGM/QA & I/LP-2015/107TH CLPTCC MEETING/41, Dated at Jabalpur, the 13/03/2019

To

All CGM BSNL Telecom circle,

All Power authority,

Subject: PTCC approval of Power cables of 33KV DC (Double circuit) and below –
Guidelines for processing such proposals.

Ref No: Minutes of 107th CLPTCC meeting, held at Hyderabad on 14/12/2018.

Kindly refer to the Minutes of 107th CLPTCC meeting, held at Hyderabad on 14/12/2018. The decision under item no B.12 (Whether PTCC approval is needed for power cables) is reproduced below:

CLPTCC decided that "Power cables are having double shielding. Considering this fact and capacity of the power cable, for all 33KV (Double circuit) and below capacity, Underground power cable proposals, it is sufficient that the Power utilities will forward the self certificate mentioning the name of power cable with route length, along with Railway NoC, EPR values of the new substation and topo map to the concerned Zonal DE (PTCC)/SDE (PTCC) and BSNL SSAs. If no objection or report received from the concerned BSNL SSAs within a month's time, the power utilities can charge the power cable. The date of charging of power cable may be intimated to concerned Zonal DE (PTCC)/SDE (PTCC) and BSNL SSAs by the Power authority".

Keeping in view of above decision, the following guidelines should be followed during processing the PTCC approval of Power cables of 33KV DC (Double circuit) and less capacity:

- (1) Concerned Zonal DE (PTCC)/SDE (PTCC) and BSNL SSAs are to be intimated about the laying of any conversion/proposed UG power cable of capacity 33KV DC (Double circuit) and below along with the name of power cable, route length, Railway NoC, EPR values of the new substations and topomap so that telecom authorities can depute their representatives during digging and laying of power cables.
- (2) Also a self certificate as given below should be submitted by the concerned Power authority:
 - I. The Power cables of capacity 33KV DC and less will be laid at a minimum depth of 1.2 meters below the earth surface.

पंजीकृत एवं निगम कार्यालय: भारत संचार भवन, हरीशचंद्र माथुर लेन, जनपथ, नई दिल्ली-110001: निगम पहचान क्रमांक-
(CIN):U74899DL2000GOI107739; www.bsnl.co.in

1/2

- II. The minimum separation between the bottom of telecom cables and power cable will be maintained as 0.6 meter for 33KV Double circuit/ 0.3 meter for 33KV SC (Single circuit) and less as case may be.
- III. Power cable will be painted in RED or a mark of spark in "red" will be made available on sheath of the cable for identification similar to the marking of the telephone handset emblem on outer sheath of telecom cable.
- IV. For identification of UG power cable, route markers will be provided.
- V. Non existence of any BSNL assets within the EPR zone of the proposed Substation will be ensured before energisation of the power cable in co-ordination with BSNL Authorities.
- VI. In case of occurrence of any damages to BSNL Personal or assets, after due energisation of the power cable, power authorities are liable to the charged for the compensation towards such damages to BSNL assets.

This is issued with approval of competent authority.

Ram K. Jain
Asstt. General Manager (Technical) 13/3/19
Mobile No. 9425803008

Copy to :

- (1) All PGMs / GM , QA & Inspection circle for information pl ,
- (2) Chief Engineer, PCD Division & Co-chairman of 107th CLPTCC meeting, Central Electricity Authority, New Delhi for information pl ,
- (3) Director, PCD Division & Secretary (Power side) CLPTCC, Central Electricity Authority, New Delhi for information & with request to circulate this letter to all power utilities, and
- (4) All Zonal DE (PTCC), BSNL QA & Inspection circle for information & for circulation to all BSNL telecom circle and all State power company (Transmission & DISCOM) and Power Grid corporation, under their jurisdiction.

यालय मुख्य महाप्रबंधक
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(भारत सरकार का उपनिगम)
BHARAT SANCHAR NIGAM LIMITED
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Factor with your response 2019

No. CGM/QA & I/LP-2015/109TH CLPTCC MEETING/4, Dated at Jabalpur, the 23/11/2019

To

All CGM BSNL Telecom circle,

All Power authority,

Subject: PTCC approval of Power cables of 33KV DC (Double circuit) and below -
Guidelines for processing such proposals.

Ref No: (1) Minutes of 107th CLPTCC meeting, held at Hyderabad on 14/12/2018,
(2) Minutes of 108th CLPTCC meeting, held at Guwahati on 10/06/2019.

Kindly refer to the Minutes of 107th CLPTCC meeting, held at Hyderabad on 14/12/2018. The decision under item no B.12 (Whether PTCC approval is needed for power cables) is reproduced below:

CLPTCC decided that "Power cables are having double shielding. Considering this fact and capacity of the power cable, for all 33KV (Double circuit) and below capacity, Underground power cable proposals, it is sufficient that the Power utilities will forward the self certificate mentioning the name of power cable with route length, along with Railway NoC, EPR values of the new substation and topo map to the concerned Zonal DE (PTCC)/SDE (PTCC) and BSNL SSAs. If no objection or report received from the concerned BSNL SSAs within a month's time, the power utilities can charge the power cable. The date of charging of power cable may be intimated to concerned Zonal DE (PTCC)/SDE (PTCC) and BSNL SSAs by the Power authority".

Kindly refer to the Minutes of 108th CLPTCC meeting, held at Guwahati on 10/06/2019. The decision under item no B.6 (Whether PTCC approval is needed for power cables) is reproduced below:

- Defence and Railways NoC cannot waived off, and
- BSNL will issue revised guidelines with changes suggested by CEA.

Keeping in view of above both decision, the following guidelines should be followed during processing the PTCC approval of Power cables of 33KV DC (Double circuit) and less capacity:

- Concerned Zonal DE (PTCC)/SDE (PTCC) and BSNL SSAs are to be intimated about the laying of any conversion/proposed UC power cable of capacity 33KV DC (Double circuit) and below along with the name of power cable, route length, Railway NoC, EPR values of the new substations and topomap so that telecom

पंजीकृत एवं नियम कार्यालय: भारत संचार निगम, हरिश्चंद्र मार्ग, जबलपुर, मध्य प्रदेश, पिन कोड-482001; निगम पताकार क्रमांक:
(CIN):U74899DL2000GOI07739 ; www.bsnl.co.in

Page 1 of 2

authorities can depute their representatives during digging and laying of power cables.

(2) Also a self certificate as given below should be submitted by the concerned Power authority:

- (I) The Power cables of capacity 33KV DC and less will be laid at a minimum depth of 1.2 meters below the earth surface.
- (II) The minimum separation between the telecom cables and power cable will be maintained as 0.3 meter for 33KV Double circuit/33KV SC (Single circuit) and less.
- (III) Power cable will be painted in RED or a mark of spark in "red" will be made available on sheath of the cable for identification similar to the marking of the telephone handset emblem on outer sheath of telecom cable.
- (IV) For identification of UG power cable, route markers will be provided.
- (V) Non existence of any BSNL assets within the EPR zone of the proposed Substation will be ensured before energisation of the power cable in co-ordination with BSNL Authorities.
- (VI) In case of occurrence of any damages to BSNL Personal or assets, after due energisation of the power cable, power authorities are liable to the charged for the compensation towards such damages to BSNL assets.

This letter supersedes this office earlier in no.CGM/QA&I/LP-2015/107TH CLPTCC meeting/41, Dated at Jabalpur, the 13/03/2019, regarding "PTCC approval of Power cables of 33KV DC (Double circuit) and below - Guidelines for processing such proposals.

This is issued with approval of competent authority.

P. K. Jaiswal
Asst. General Manager (Technical)
Mobile No. 9425803036

Copy to:

- (1) All PGMs / GM, QA & Inspection circle for information pl.
- (2) Chief Engineer, PCD Division, Central Electricity Authority, New Delhi for information pl.
- (3) The Director (Telecommunications), Railway Board, Rail Bhawan, Raisinha hills, New Delhi - 110001 for information and necessary action pl.
- (4) Director, PCD Division & Secretary (Power side) CLPTCC, Central Electricity Authority, New Delhi for information & with request to circulate this letter to all power utilities, and
- (5) All Zonal DE (PTCC), BSNL QA & Inspection circle for information & for circulation to all BSNL telecom circle and all State power company (Transmission & DISCOM) and Power Grid corporation, under their jurisdiction.
- (6) The Directorate General of signals, Signal-7, General staff branch, Integrated HQ of MoD (Army) DHQ PO, New Delhi-110011.

File No CEA/PCD/CLPTCC/376-389



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

Dated: 10.08.2020

To,
 As per attached list.

Subject – Revision of PTCC Manual 2010 – Constitution of Committee regarding.

Reference: Minutes of the 109th CLPTCC Meeting (circulated on 01.06.2020 and also available at http://cea.nic.in/ptcc_meetings.html)

Sir/Madam,

As you may be aware that a Central Standing Committee, namely Power & Telecommunication Co-ordination Committee (PTCC), comprising members from Power Utilities, Telecommunication, Railways and Defense, was constituted by Government of India resolution for resolving technical issues and ensuring safe co-existence of power and telecommunication assets as well as safety of personnel of concerned organizations working in close vicinity of power transmission lines. Central level PTCC (CLPTCC) has been involved in improving safety standards and evolving PTCC norms in line with the continuous advancements in power and telecommunication sectors.

For smooth implementation of PTCC clearance process, PTCC Manual was prepared by the committee, which serves as a reference for processing PTCC cases, procedure for calculation of mutual coupling, recommended safety norms and protection from EPR, LF induction test etc.

The Manual was last revised in 2010. Since then, there have been numerous meetings of CLPTCC wherein several key issues in view of the latest developments

in power and telecom fields were discussed and resolved/finalized. In view of these developments, a need for reviewing the PTCC Manual was felt. The issue of revision of PTCC manual 2010 was raised in 108th and then in 109th CLPTCC Meeting wherein Members of the Forum agreed for review of the Manual.

In view of the above, a Committee to review the PTCC Manual 2010 with following members is hereby constituted:

1. Chief Engineer, PCD Division, CEA – Chairperson
2. CGM, Inspection Circle, Jabalpur, BSNL – Member
3. Chief Engineer, DP&T Division, CEA – Member
4. Secretary (Power), CLPTCC – Member
5. Secretary (Telecom), CLPTCC – Member
6. A Director level representative from Ministry of Defense – Member
7. A Director representative from Ministry of Railways – Member
8. Joint Secretary (Power), CLPTCC – Member
9. Joint Secretary (Telecom), CLPTCC – Member
10. A representative from GETCO – Member
11. A representative from MSETCL – Member
12. A representative from KPTCL – Member
13. A representative from TANTRANSCO – Member
14. A representative from RRVPNL – Member
15. A representative from PSTCL – Member
16. A representative from WBSETCL – Member
17. A representative from AEGCL – Member

You are requested to kindly communicate the nomination of a Member for the above Committee, well conversant with the Manual and procedures/theories contained therein, latest by 25.08.2020.

Sincerely,



(R. P. Singh)
Director &
Secretary (Power), CLPTCC

Copy for kind information to:

1. Chairperson, CEA
2. Principal Chief Engineer-I (Incharge), CEA



S. No.	Address
1.	Directorate General of Signals, Signals 7, General Staff Branch, Integrated HQ of MoD (Army), DHQ PO, New Delhi - 110011 Email:
2.	Director(Tele), Railway Board, 256-A, Raisina Road, Rajpath Area, Central Secretariat, New Delhi, Delhi 110001 Email: dtele@rb.railnet.gov.in
3.	Chief Engineer (DP&T Division), CEA Room No. 611(N), Central Electricity Authority, Sewa Bhawan, R. K. Puram, Sector-1, New Delhi - 110 066 Email: vivek.goel.cea@nic.in
4.	CGM, Inspection Circle, Jabalpur, BSNL, Sanchar Vikas Bhavan, Residency Road, Jabalpur-482001 Email: cgm_tnd@bsnl.co.in
5.	Chairman and Managing Director Gujarat Energy Transmission Corporation Ltd. Sardar Patel Vidyut Bhawan, Race Course , Vadodara- 390 007 Email: md.getco@gebmil.com
6.	Chairman & Managing Director Maharashtra State Electricity Transmission Company Ltd., C-19, E-Block, Prakashganga, Bandra-Kurla Complex Bandra(E), Mumbai 400 051 Email: md@mahatransco.in
7.	Managing Director Karnataka Power Transmission Corporation Ltd., Kaveri Bhawan Bangalore -560009 Email: md@kptcl.com
8.	Managing Director TANTRANSCO 10 th Floor/NPKRR Malikai, No. 144 Anna Salai, Chennai-600002 Email: mdtantransco@tnebnnet.org
9.	Chairman and Managing Director, Punjab State Transmission Corp. Ltd. Regd. Office, PSEB Head Office, The Mall, Patiala Pin:147001 Email: cmd@pstcl.org
10.	Chairman & Managing Director Rajasthan Rajya Vidyut Prasaran Nigam Ltd. Vidyut Bhawan, Janpath Jaipur (Rajasthan) - 302005

	Email: cmd.rvpn@gmail.com
11.	Managing Director West Bengal State Electricity Transmission Corporation Ltd, Vidyut Bhavan, Bidhannagar, Block - DJ, Sector - II, Kolkata - 700 091
12.	Managing Director Assam Electricity Grid Corporation Ltd Bijulee Bhawan (First Floor) Panltanbazar, Guwahati – 781001 Email: managing.director@aegcl.co.in



दक्षिण पश्चिम रेलवे / SOUTH WESTERN RAILWAY

प्रधान मुख्य संकेत व दूरसंचार अभियंता का कार्यालय, हुबली, गदग सड़क, रेल सौदा,

Principal Chief Signal & Telecom Engineer, Rail Soudha, Gadag Road, Hubli

सं. SG/SWR/PTCC/F-2915/1905

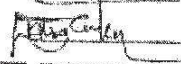
दिनांक: 14.10.2019

**The DIRECTOR (PTCC)
CENTRAL ELECTRICITY AUTHORITY,
Load Dispatch & Telecommunication Division,
PTCC Directorate, NREB Complex, 18-A,
Shaheed Jeet Singh's Marg, Katwaria Sarai,
NEW DELHI - 110 016.**

विषय: Proposed 220KV Double circuit LILO lines on MC Towers from the existing 220KV Ghataprabha-Chikkodi DC line to the proposed 220/110KV SS at Kabbur (Mugalkhod) in Chikkodi Taluk Belagavi District.

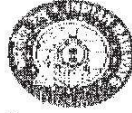
- संदर्भ:** 1) CEE/KPTCL letter No. CEE/SLDC/PTCC/F-2915/2339/47 99 dated 21.05.2019.
2) CEA/NDLS letter No. CEA/PCD/PTCC/KNK-921/954 dated 17.09.2019.

ऊपर लिखित पत्र के संदर्भ में, पीटीसीसी सीमा के संदर्भाधीन पत्र दो के अंतर्गत निहित प्रेरित ओल्टेज के संगणना के अनुसार उपर्युक्त प्रस्ताव के संबंध में रेलवे दूरसंचार सर्क्यूट पर अब तक की प्रेरित ओल्टेज गणांक के लिए कथित पीटीसीसी प्रस्ताव को इस रेलवे द्वारा अनापत्ति पत्र जारी की जाती है।
With reference to the above cited letter, since the Induced Voltage calculated on the Railway Telecom Circuits of the above said proposal are within PTCC limits as per IV calculation given vide letter under reference 2. This Railway has NO OBJECTION in clearing the said PTCC proposal.


(पि.आर. सुधाकर/P.R. Sudhakar)
उप.मु. सं.व.दूरसं. अभि/यो/Dy. CSTE/Plg/HQ
कृते प्र.मु.सं. एवं. दूरसं.अभी/दपरे/For PCSTE/SWR

- Copy to:
1. **Sr. DSTE/UBL** - for information please.
 2. Divisional Engineer (Telecom), PTCC, T&D Circle, BSNL, # 26, 1st Floor, Raj Bhavan Telephone Exchange, Sardar Patel Road, Guindy, CHENNAI - 500 032.
 3. **The Chief Engineer Electricity**, State Load Dispatch Centre, #28, Race Course Cross Road, BENGALURU - 560009.

(1/1)



दक्षिण पश्चिम रेलवे / SOUTH WESTERN RAILWAY

प्रधान मुख्य संकेत व दूरसंचार अभियंता का कार्यालय, हुबली, गदग सड़क, रेल सौधा,

Principal Chief Signal & Telecom-Engineer, Rail Soudha, Gadag Road, Hubli

सं. SG/SWR/PTCC/F-2915/1905

दिनांक: 18.10.2019

The DIRECTOR (PTCC)
CENTRAL ELECTRICITY AUTHORITY,
 Load Dispatch & Telecommunication Division,
 PTCC Directorate, NREB Complex, 18-A,
 Shaheed Jeet Singh's Marg, Katwaria Sarai,
 NEW DELHI - 110 016.

विषय: Proposed 220KV Double circuit LILO lines on MC Towers from the existing 220KV Ghataprabha-Chikkodi DC line to the proposed 220/110KV SS at Kabbur (Mugaikhod) in Chikkodi Taluk Belagavi District.

संदर्भ: This Office letter of even No. dated 14.10.2019.

With reference to the above, NOC for the said PTCC proposal issued vide this Office letter of even No. dated 14.10.2019 may be **WITHDRAWN** till further advise from this end.

[Handwritten Signature] 18/10/2019

(पि.आर. सुधाकर/P.R. Sudhakar)

उप.मु. सं.व.दूसं. अभि/यो/Dy. CSTE/Plg/HQ

कृते प्र.मु.सं. एवं दूसं.अभी/दपरे/For PCSTE/SWR

- Copy to:
1. **Sr. DSTE/UBL** - for information please.
 2. Divisional Engineer (Telecom), PTCC, T&D Circle, BSNL, # 26, 1st Floor, Raj Bhavan Telephone Exchange, Sardar Patel Road, Guindy, CHENNAI - 600 032.
 3. **The Chief Engineer Electricity**, State Load Dispatch Centre, #28, Race Course Cross Road, BENGALURU - 560009.

11



SOUTH WESTERN RAILWAY

Office of PCSTE
 'Rail Soudha' GM's Office
 Gadag Road Hubballi. Fax No. 08362364906

No: SG/SWR/PTCC/317/Vol.IV

Date: 21.10.2019

AM/Tele
 Railway Board

Sub: Clarification regarding dealing with PTCC cases.
Ref: Telecom Manual Chapter II - Role of PTCC.

In connection with the above subject and reference, guidelines are required to deal with PTCC cases and clearance:

- 1) Safe limit for Induced Voltage (I.V) for Working of Universal Fail Safe Block Instrument (UFSBI): Single / Double line in both RE/ Non RE area.
- 2) Safe limit for Induced Voltage (I.V) for Working of Solid State Block Proving Axle Counter (SSBPAC): Single / Double line in both RE/ Non RE area.
- 3) The protective devices to protect the above devices in case of I.V. exceeding safe limit.

Safe limit for I.V for UFSBI & SSBPAC has not been mentioned in Telecom Manual or PTCC manual 2010. Hence, it is requested that, the above issues may please be clarified and amended accordingly in Telecom Manual/PTCC manual:


 (V.K. Goyal)
 CCE/SWR/UBL

Copy to:

- 1) Dir/Tele/Rly Board:
- 2) CE/CEA/NDLS:
- 3) DE/PTCC/Chennai:

} For kind information and necessary action please.

1/1

File No. CEA/PCD/CLPTCC/2020/393



भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत संचार विकास प्रभाग

Power Communication Development Division



To,
Director (Tele)
Railway Board
Rail Bhawan, New Delhi - 110001

Date: 13.08.2020

Subject - Clarification on safe limits for Railway Block Instrument used in South Western Railway telecom circuits against Induced Voltage developed across them - regd.

Sir,

Karnataka Power Transmission Corporation Ltd (KPTCL) informed that South Western Railway (SWR) has withdrawn NOC for LILO lines of 220 kV Ghataprabha-Chikkodi D/C line at 220/110 kV Kabbur (Mugalkhod) S/S due to non-availability of safe limits of induced voltage (IV) for railway block instrument used in SWR. Subsequently, SWR sought details of safe limit of IV for railway block instrument used in SWR telecom circuits, namely; Universal Fail-Safe Block Instrument (UFSBI) and Solid-State Block Proving Axle Counter (SSBPAC) from AM/Tele, Railway Board (copy enclosed).

The matter also was discussed in the 109th CLPTCC meeting wherein it was decided that as no CLPTCC Member from Railways is present in the meeting, therefore, CEA would take up the matter with the Railway Board in this regard.

In view of the above, it is requested to kindly provide necessary details for (1) safe limits of IV on the above block instruments and (2) corresponding protective devices to be installed in case IV exceeds safe limits, for further needful in the matter.

Encl: As above

Sincerely,
राजेंद्र प्रताप सिंह
(R.P. Singh)
Director, PTCC



SOUTH WESTERN RAILWAY

Office of PCSTE
'Rail Soudha' GM's Office
Gadag Road Hubballi. Fax No. 08362364906

No. SG/5WR/PTCC/317/Vol.IV

Date: 21.10.2019


AM/Tele
Railway Board

Sub: Clarification regarding dealing with PTCC cases.
Ref: Telecom Manual Chapter II - Role of PTCC.

In connection with the above subject and reference, guidelines are required to deal with PTCC cases and clearance:

- 1) Safe limit for Induced Voltage (I.V) for Working of Universal Fail Safe Block Instrument (UFSBI): Single / Double line in both RE/ Non RE area.
- 2) Safe limit for Induced Voltage (I.V) for Working of Solid State Block Proving Axle Counter (SSBPAC): Single / Double line in both RE/ Non RE area.
- 3) The protective devices to protect the above devices in case of I.V. exceeding safe limit.

Safe limit for I.V for UFSBI & SSBPAC has not been mentioned in Telecom Manual or PTCC manual 2010. Hence, it is requested that, the above issues may please be clarified and amended accordingly in Telecom Manual/PTCC manual.


(V.K. Goyal)
CCE/SWR/UBL

Copy to:

- 1) Dir/Tele/Rly Board:
- 2) CE/CEA/NDLS:
- 3) DE/PTCC/Chennai:

} For kind information and necessary action please.

1/1



सत्यमेव जयते

भारत सरकार
Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युतसंचार विकास प्रभाग

Power Communication Development Division

Dated: June 08th, 2020

To,
AGM (PTCC),
O/o CGM Inspection & QA Circle,
Sanchar Vikas Bhavan,
Residency Road, Jabalpur – 482001.

Subject: PTCC clearance in case of laying of armoured OFC cable in BSNL U/G OFC network - regarding.

Ref.: BSNL's letter no. CGM/QA & Insp/Tech/EI/20-21/Armoured OFC/14 dated 18.05.2020.

With reference to the above, you may refer to the Chapter-3 Section C of the PTCC manual 2010 which provides for PTCC clearance for telecom lines. Therefore, in view of this, BSNL may submit the PTCC proposal for their proposed telecommunication lines/ Exchange as per PTCC Manual with additional information of distance of earthing on armoured cable to concerned Power authority and Director (PTCC), CEA, New Delhi.

While forwarding marked Topo-map/Questionnaire, BSNL may ask to concerned power utility to submit EPR details of power sub-stations and alignment of power line in the vicinity of 08 kms of proposed telecommunication line to the Director (PTCC), CEA, New Delhi.

This issues with the approval of Chief Engineer(PCD), CEA

राघवेन्द्र प्रताप सिंह
(राघवेन्द्र प्रताप सिंह) 08.06.2020
निदेशक

B.15 PTCC cases having induced voltages greater than 650 Volts:

In the last meeting, it was decided each case involving induced voltages greater than 650 V, where payment for protection through GD tubes is to be made by Power Utility, should be discussed in the SLPTCC meeting.

BSNL: Such cases are discussed in SLPTCC meeting.

After detailed deliberations, it is decided that item has been closed.

ITEM CLOSED.

C. NEW AGENDA:**C.1. Energisation Approval issuing clause in Route Approval Certificate in case of the Induced Voltage range is less than 430 volts:**

In MOM of 105th CLPTCC meeting held at Kochi, on 10th Nov 2017, under item no. D2, it is mentioned that "It was decided that the PTCC Route approval Certificate, where there is no requirement of protection would be considered as Deemed Energisation Certificate.

Based on minutes of 105th CLPTCC meeting, on receipt of Induced Voltage values from SEB/CEA, ND in DE PTCC office, if the value of Induced Voltage is less than 430 volts, RAC is being issued from DEPTCC office with the recommendation of No GD tube protection without mentioning EA clause. In the recently conducted SLPTCC meeting held on 26/04/2019 at Chennai, Member Telecom SLPTCC, Tamilnadu Circle, Chennai insisted to mention about the EA clause i.e. it is to be stated in RAC that "Issuing of Energisation Approval is not required as there is no requirement of protection and hence RAC itself is considered as Deemed EA". Suitable guideline **may be issued**.

After detailed deliberations, Forum has decided that:

- (1) The EA Clause should be mentioned in Annexure-II of RAC ,
- (2) It is to be stated in Annexure-II of RAC that "if Induced voltage is less than 430 volts, then issuing of Energisation Approval is not required as there is no requirement of protection hence RAC itself is considered as Deemed EA".

C.2 Procedure to be followed for Private Power Utilities offering the proposals of capacity 220 K.V & above:

In the MOM of 107th CLPTCC meeting held on 14/12/2018 at Hyderabad, the decision of CLPTCC forum under item no. C.4. para 2 is that " For EHT power proposals of above 220 KV, the present procedure of registering the cases as OFF line case by DEPTCC after getting the scrutiny report from CEA/New Delhi will follow". This procedure is being followed in South Zone.

In South Zone, one EHT power line proposal of 230 KV is submitted by Private Power Utility to the all concerned including RAC & EA issuing Authority. On receipt of RAC, EA issuing authority while scrutinizing proposal with RAC has found that the Route length & EPR zone value mentioned in RAC differs with route length mentioned Questionnaire & topo-map & EPR zone value which was received directly from private party in their office. Hence they have returned the RAC to DE PTCC as they could not process further for EA as the route length and EPR zone value differs.

The procedure given in MOM of 107th CLPTCC meeting for Private power utility EHT cases of 33 KV and below 220 KV under item no. C.4. para 1 is " For EHT power proposals of 33 KV DC and below 220 KV, the private parties should submit the proposals to SEBs, who in turn will scrutinize, authenticate the documents including topo map and upload the proposal in the PTCC portal online".

Hence it is suggested that the same procedure may be considered for private power utility EHT cases of 220 KV and above also through SEBs so that the dispute in Questionnaire & topo map can be

DIVISIONAL ENGINEER TELECOM (PTCC)
EASTERN ZONE
QA & Inspection Circle
Q.A.Bhawan, EP-GP Block, Sector-V,
Saltlake, Kolkata-700091.
Email-detptccer@gmail.com
Mob: 9433400094



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

No: DE/PTCC/OPTCL/Genl

dated 02.09.2020

To
The Sr. GM,
OPTCL, Bhojpur,
Bhubaneswar

SUB: Pending IV calculation & approval of PTCC Proposals as on Aug'2020

With reference to the above, it is observed that 27 PTCC proposals (all upto 132 KV Lines) for Odisha Circle are pending for RAC(Route Approval Certificate) as IV calculation & NOC from Railways for issuing RAC has not been received by this office till date. Hence it is requested to kindly look into the matter and intimate this office the current status of those proposals. The list of the PTCC proposals are given in Annexure-I for your ready reference. This is issued with approval of competent authority.

This is for your information & n/a please

DET PTCC(ER)
QA & Inspection Circle
BSNL, Kolkata

Copy for information to:

1. The CGM, QA & Inspection Circle, Jabalpur
2. The PGM(East) , QA & Inspection Circle , Kolkata

ANNEXURE-I

Pending IV calculation Report for issuing RAC by DET PTCC(ER),Kolkata (Status as on Aug'2020)

Concerned State Electricity Board : OPTCL

SL No	State	Route Name	Capacity (KV)	Route Length(Km)	PTCC online Job ID	Sent to OPTCL (date)
1	Odisha	BSS Jharsuguda to Action Ispat Power Ltd,Jharsuguda T/L	132	1.645	EOR121220124244	Yes(12.12.2012)
2	Odisha	Kudra to Balugaon T/L	132	1.33	EOR141220144258	Yes(07.07.2013)
3	Odisha	LILO at Kalunga for Budhipadar to Tarkera T/L	132	2.942	EOR220120154230	Yes(08.12.2013)
4	Odisha	Rajgangpur to OCL Iron & Steel Ltd T/L	132	4.236	EOR070120144270	Yes(13.06.2014)
5	Odisha	LILO at Oranda for SC Chainpalchowber to Grid Steel & Alloy Ltd	132	1.2	EOR250620154275	Yes(16.11.2015)
6	Odisha	Nimdada GSS to Konark GSS T/L	132	20.31	EOR201020134263	Yes(21.01.2017)
7	Odisha	Jagatsinghpur to Paradip T/L	132	57	EOR301120134265	Yes(25.01.2017)
8	Odisha	Boudh to Sonepur T/L	132	51.048	EOR200120154274	Yes(10.07.2017)
9	Odisha	Patnagarh SS to Patnagarh New SS T/L	132	44.515	EOR200620144267	Yes(30.10.2017)
10	Odisha	Grid SS Kuchei(PGCIL) to Jaleswar (OPTCL) T/L	132	79.2	EOR020820171768	Yes(30.10.2017)
11	Odisha	LILO for Tentulikhunti to Dabugaon T/L	132	42.165	EOR150220104214	Yes(07.03.2018)
12	Odisha	Rairakhole SS to New Rairakhole RTSS T/L	132	2.7	EOR191220174387	Yes(21.05.2018)
13	Odisha	Boinda SS to New Boinda RTSS T/L	132	3.236	EOR191220174386	Yes(01.09.2018)
14	Odisha	Cheinpai SS to Talcher Road new RTSS T/L	132	0.488	EOR191220174388	Yes(04.09.2018)
15	Odisha	LILO at Aska for Aska to Behrampur T/L	132	6.721	EOR041220171937	Yes(26.09.2018)
16	Odisha	LILO at Aska GSS for Aska to Chhatrapur line T/L	132	6.03	EOR041220171940	Yes(27.09.2018)
17	Odisha	LILO at Jagatsinghpur for Paradip to Tirtol T/L	132	6.2	EOR181020171878	Yes(06.11.2018)
18	Odisha	LILO at Saintala for Tusura Grid SS to Bolangir T/L	132	12.719	EOR040920171812	Yes(16.11.2018)
19	Odisha	LILO at Bhogra(PTCC) for Kuchei to Jaleswar T/L	132	26.717	EOR010920171808	Yes(26.11.2018)
20	Odisha	Salipur Grid SS to Kendrapada Grid SS T/L	132	35	EOR181120171916	Yes(07.01.2019)
21	Odisha	Digopahandi SS to Chikiti GSS T/L	132	29.1	EOR041220171935	Yes(08.03.2019)
22	Odisha	Kamakhyanagar Grid to Kamakhyanagar RTSS T/L	132	5.226	EOR220420192415	Yes(22.04.2019)
23	Odisha	Tusura Grid SS to Deogaon RTSS T/L	132	10.234	EOR300320192402	Yes(31.07.2019)
24	Odisha	Marshaghai Grid SS to Kendrapada RTSS T/L	132	12.5	EOR220420192417	Yes(30.11.2019)
25	Odisha	Bhadrak Anandapur to Agarpada T/L	132	11.697	EOR220420192416	Yes(16.12.2019)
26	Odisha	S/C (2 conductor) Maneswar GSS to Maneswar RTSS T/L	132	5.13	EOR100120202670	Yes(22.06.2020)
27	Odisha	LILO at GSS,Maneswar for Sambalpur to Rairakhol T/L	132	2.786	EOR270620202758	Yes(22.06.2020)

List -1

S. No.	EHV line (MSETCL EHV Project Circle)	PTCC proposal Ref.	BSNL Field office	Railways/ Defense details recvd date
1	2	3	4	5
1	220kV LILO on both ckts. Of 220kV Waluj-Jalna line at 400kV Thaptitanda S/s, 7.6 kms. (Aurangabad)	25-05-2017, 5533 (B-548)	Jalna,	Defense NOC – 06/07/2017 SCR RD – 30/07/2018
2	220kV LILO on Paras – Balapur MC line for 220kV Malkapur DCDC line, 73.81 kms. (Amravati)	02-08-2017, 8620 (B-549)	Akola, Buldhana, Jalgaon,	Defense NOC – 28/08/2017 CR RD - 24/08/2017
3	220kV DC line from 400kV Kumbhargaoon to proposed 220kV Jalkot S/s, 53.4 kms. (Aurangabad)	03-12-2017, 13498 (B-553)	Latur, Nanded,	Defense NOC – 08/02/2018 SCR RD - 30/07/2018
4	220kV MC line, LILO on one ckt. Of 220kV Parli - Hirangui DC line at 400kV Parli (PG) (Aurangabad)	28-11-2018 12362 (B-558)	Beed	Defense NOC – 11/02/2019 SCR RD - 28/05/2018
5	220kV MC line, LILO on one ckt. Of 220kV Parli - Osmanabad DC line at 400kV Parli (PG) S/s (Aurangabad)	6-12-2018 12749 (B-560)	Beed	Defense NOC – 11/02/2019 SCR RD - 28/05/2018
6	REVISED (GMRT Route diversion) 400 kV D/C line from 400 kV Babhaleshwar s/s to proposed 400 kV Kudus s/s, 229.13 kms. (Nashik)	05-06-2018 6371 (A-163)	Ahmednagar, Kalyan, Nashik, Pune	Defense NOC – 08/08/2018 CR RD – Old applicable
7	220kV DC line, LILO on existing 220kV Pedambe - Mahad line for proposed 220kV Kalambani TSS of Konkan Railways Corporation Ltd. (KRCL), 0.116km (Kihapur)	22-01-2019 708 (B-561)	Ratnagiri	Defense NOC – 12/03/2019 KR RD – NOT RECEIVED
8	220kV Malegaon-Manmad DC line, 32 kms. (Nasik)	25-01-2019 823 (B-562)	Nasik	Defense NOC – 12/03/2019 CR RD – 06/02/2019 SCR RD - 31/05/2019
9	220kV DC line, LILO on 220kV Ambazari - Amravati SC line for proposed 220kV Hetikundi (Karanja) S/s, 1.65 kms.(Nagpur)	04-02-2019 1111 (B-563)	Wardha	Defense NOC – 19/03/2019 CR NOC - 13/02/2019
10	220kV DC line, from LILO point (L.No.77) of existing 220kV Karad - KDPH line to LILO point (L.No.130) of 220kV Karad - Pedambhe line (for existing 220kV Dhajgaon Wind Farm S/s), 2.03 kms, (Kihapur)	15-02-2019 1443 (B-564)	Satara	Defense NOC – 02/04/2019 CR NOC - 22/02/2019
11	220kV DC line from 400kV Thaptitanda (MC point onwards) to proposed 220kV Amrapur S/s, 57.42 kms. (Amravati)	15-02-2019 1444 (B-565)	Ahmednagar, Aurangabad,	Defense NOC – 28/03/2019 CR NOC - 22/02/2019
12	220kV DC line, LILO on one ckt. of 220kV Deoli (PG) - Ghatodi DC line for existing 220kV Yavatmal S/s, 10.2 kms. (Amravati)	15-02-2019 1441 (B-566)	Yavatmal	Defense NOC – 28/03/2019 CR NOC - 22/02/2019
13	220kV Vishwind - Bhenda DC line, 42 kms. (Nasik)	7-5-2019 3495 (B-567)	Nasik	Defense NOC – 27/06/2019 CR NOC - 16/05/2019
14	220kV Wani - Pandharkawada (Prop.) DCDC line, 58 kms. (Amravati)	20-6-2019 4583 (B-568)	Amravati	Defense NOC – 28/08/2019 CR RD - 07/07/2019
15	220kV Jamde - Valve DC link line, 13.31 kms (Nashik)	17-9-2019		No details received

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List -2

S. No.	EHV line (MSETCL EHV Project Circle)	PTCC proposal Ref.	BSNL Field office	Railways/ Defense details received
1	132kV SCDC line from proposed 80MW (50+30MW) Solar Park in r/o Solar Edge Energy Pvt. Ltd. at Mhatargaon (Malanathpur) to 132kV Pangari S/s, Tal. Parli, Dist. Beed. 10.47 kms. (Aurangabad)	30-01-2018. 1115 (O-187)	Beed	Defense NOC -06/03/2018 SCR RD - 30/07/2018
2	132kV DC line from proposed 220kV Jalkot S/s to existing 132kV Udgir S/s, 30 kms. (Aurangabad)	13-04-2018. 4145 (C-818)	Latur	Defense NOC -01/08/2018 SCR RD - 30/04/2018
3	132kV DC line from 132kV Gangakhed to 60MW Solar Project of M/s MII Parbhani Power & M/s Flexirural Urja Jalgaon Ltd. at Village - Dhargar Mcha, Tal. - Gangakhed, Dist. Parbhani (JNNSM Ph-II, Batch-IV, Tr. - II, GOI), 10 kms. (Aurangabad)	23-04-2018. 4485 (O-193)	Parbhani	Defense NOC -01/08/2018 SCR RD - 30/05/2018
4	132kV DC line, LHO on existing 132kV Ujani - Naldurg line for existing 220kV Tuljapur S/s, 15.4 kms (Aurangabad)	17-07-2018. 7983 (C-821)	Osmanabad	Defense NOC - 14/09/2018 CR NOC - 28/08/2018
5	132kV DC line, LHO on one ckt. of 132kV Yavatmal - Yavatmal (MIDC) DC line for existing 132kV Darwaha S/s, 33 kms. (Amravati)	15-02-2019. 1440 (C-834)	Yavatmal	Defense NOC - 28/03/2019 CR NOC - 22/02/2019
6	132kV DC line, LHO on 132kV Yavatmal - Pandharkavda line for proposed 132kV Ralegaon S/s, 44kms. (Amravati)	15-02-2019. 1435 (C-835)	Yavatmal	Defense NOC - 28/03/2019 CR NOC - 21/02/2019
7	132kV Ashu - Alapalli DCDC line, 62.77kms. (Nagpur)	28-02-2019. 1761 (C-836)	Chandrapur	Defense NOC - 11/04/2019 SECR RD - 08/07/2019
8	132kV Taloda - Dhadgaon DC line, 30 kms (Nasik)	26-03-2019. 2411 (C-837)	Dhule	Defense NOC - 16/05/2019 WR RD - 02/08/2019
9	132kV DC line, LHO on 132kV Mokhabardi LIS DC line (LHO at Bhandara-Ambhora) at Loc. No.20/0 for proposed 132kV Kolari S/s, 6.77kms (Nagpur)	02-05-2019. 3333 (C-839)	Chandrapur, Nagpur	Defense NOC - 11/04/2019 SECR RD - 08/07/2019
10	132kV DC line, LHO on 132kV Ozar - Chandwad line for existing 220kV Pimpalgaon S/s, 4.9kms (Nasik)	07-05-2019. 3494 (C-840)	Nasik	Defense NOC - 20/06/2019 CR NOC - 16/05/2019
11	132kV DC line, LHO on 132kV Mul - Ashu SCDC line for proposed 132kV Chamoshi S/s, 14 kms. (Nagpur)	13-06-2019. 4395 (C-843)	Chandrapur	Defense NOC - 22/07/2019 SECR RD - Not Revd.
12	132kV DC line, LHO on 132kV Asgaon-Bramhapuri line for proposed 220kV Nagbhid S/s, 17.68 kms. (Nagpur)	12-07-2019. 5128 (C-845)	Chandrapur	Defense NOC - 28/08/2019 SECR RD - Not Revd.
13	132kV DCDC Mudsinghi-Bapat Camp line, 5.65 kms (Kolhapur)	15-07-2019. 5149 (C-846)	Kolhapur	Defense NOC - 01/10/2019 CR RD - 29/07/2019
14	132kV Kekammbhora-Pahur DCDC line, 18.38 kms (Nasik)	26-07-2019. 5606 (C-848)	Jalgaon	Defense NOC - 25/09/2019 CR NOC - 14/08/2019
15	132kV DC line, LHO on 132kV Nilanga - Omega line for proposed 220kV Narangwadi S/s, 13.35 kms. (A'bad)	17-09-2019. 6858 (C-850)	Latur Osmanabad	Defense NOC - Not Revd. CR NOC - 24/10/2019
16	132kV Ahmadnagar - Supa DC link line (GFC), 21.477 kms. (Nasik)	17-09-2019. 6883 (C-851)	Ahmednagar	Defense NOC - Not Revd. CR RD - 24/10/2019
17	132kV DC line, LHO on 132kV Chalisgaon - Pachora line for proposed 132kV Kothali S/s, 1.53 kms. (Nasik)	10-10-2019. 7469 (C-852)	Dhule Jalgaon	Defense NOC - Not Revd. CR RD - 25/10/2019
18	132kV DC line, LHO on 132kV Solapur (MIDC) - Ultratech line for proposed 132kV Hotgi TSS (RVNL), 1.89 kms. (Pune)	17-10-2019. 7999 (C-853)	Solapur	No details recvd.
19	132kV DC line, LHO on 132kV Talebazar-Kankawali line for proposed 132kV Kankawali TSS (KRCL), 0.11 kms. (Kolhapur)	18-10-2019. 8023 (C-854)	Kolhapur	No details recvd.
20	Conversion of SC to DC of 132kV Bableshtwar - Rahuri - Ahmednagar MIDC line, 56.35 kms. (Nasik)	06-11-2019. 8414 (C-855)	Ahmednagar	No details recvd.
21	132kV DC line, LHO on 132kV Nipro-Shirwal line for proposed 132kV Kesurdi Phase-II S/s in r/o HJIN Global India Pvt. Ltd., Dist. Satara, 1.05 kms. (Kolhapur)	06-11-2019. 8415 (O-201)	Satara	No details recvd.
22	132kV DC line, LHO on 132kV Bajaj (Chakan) - Chakan Phase-II line to proposed 132kV Bhamboli S/s in r/o M/s Taiyyo Nippon Pvt. Ltd., Dist. Pune, 2.24 kms. (Pune)	06-11-2019. 8416 (O-200)	Pune	No details recvd.

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