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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/111th CLPTCC/

Date: 08.07.2022

All Members Central PTCC
(As per attached list)

Subject: - 111th Central Level Power and Telecommunication Coordination Committee (CLPTCC) Meeting - Regarding

The minutes of the 111th Central Level Power and Telecommunication Coordination Committee (CLPTCC) meeting held on 28th June, 2022 is enclosed herewith for kind information and necessary actions by all concerned. The minutes of the meeting are also available at <https://cea.nic.in/ptcc/?lang=en>.

The next CLPTCC meeting is to be organized by BSNL. Therefore, BSNL is requested to take necessary action in this regard.

Encl.: as above.

Sd/-

Director &
Secretary, CLPTCC

Copy for kind information to:

1. Member (Power System), CEA.
2. Chief Engineer, PCD Division, CEA.
3. Chief General Manager, Inspection and QA Circle, BSNL.

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सं.के.वि.प्रा./पीसीडी/111वीं सीएलपीटीसीसी/

दिनांक: 08.07.2022

सभी सदस्य केन्द्रीय पीटीसीसी

(संलग्न सूची के अनुसार)

विषय:- 111वीं केन्द्रीय स्तरीय विद्युत एवं दूरसंचार समन्वय समिति (सीएलपीटीसीसी) बैठक के संबंध में।

28 जून 2022 को आयोजित 111वीं केन्द्रीय स्तरीय विद्युत एवं दूरसंचार समन्वय समिति (सीएलपीटीसीसी) बैठक के कार्यवृत्त जानकारी एवं आवश्यक कार्यवाई हेतु संलग्न हैं। बैठक के कार्यवृत्त <https://cea.nic.in/ptcc/?lang=en> पर भी उपलब्ध हैं।

अगली बैठक बीएसएनएल द्वारा आयोजित की जानी है। अतः बीएसएनएल से निवेदन है कि इस सम्बंध में आवश्यक कार्यवाई करें।

संलग्नक: उपरोक्तानुसार।

ह0/-

निदेशक एवं

सचिव, सीएलपीटीसीसी

प्रतिलिपि सूचनार्थ प्रेषित:

1. सदस्य (विद्युत प्रणाली), के.वि.प्रा.।
2. मुख्य अभियंता, पीसीडी प्रभाग, के.वि.प्रा.।
3. मुख्य महाप्रबंधक, निरीक्षण और क्यूए सर्कल, बीएसएनएल।

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Central Level Power and Telecommunication Coordination Committee (CLPTCC)**Minutes of 111th CLPTCC Meeting**

Meeting date:	28 th June, 2022
Mode:	Online platform at Microsoft Team
Chief Guest:	Sh Goutam Roy, Member (Power System), CEA
Committee Chair:	Sh Upendra Kumar, Chief Engineer, PCD Division, CEA
Committee Co-chair:	Sh C. Mohapatra, CGM, QA& Inspection Circle, Bengaluru, BSNL
List of participants:	Enclosed at Annexure - I

GM, BSNL & Secretary (Telecom) PTCC, welcomed all the dignitaries to the 111th CLPTCC meeting and invited CGM, BSNL and CE (PCD), CEA to address the dignitaries and give their opening remarks.

CGM, BSNL, appreciated the importance of CLPTCC meeting for smooth functioning of the PTCC approval process by thanking all the stakeholders like Railway, BSNL and Defense for their coordinated efforts. He informed about status of upgradation activities of existing version of online portal of PTCC approval process currently undertaken by the BSNL. He further appreciated the active role of PTCC for ensuring safe coexistence of Power and Telecom assets in the country.

CE (PCD), CEA, extended a cordial welcome to all the participants and thanked Shri Goutam Roy, Member (Power System), CEA for readily accepting the invitation to be present as Chief Guest for the meeting. He briefed about the agenda of the meeting and shared an insight on the functioning of the PTCC committee. Based on his experience of the previous and ongoing PTCC cases, he emphasized on the pro-active involvement of all the stakeholders regarding the rules and regulations related to PTCC that are under review in CEA and available on CEA website until 28th July 2022 for public comments. He then invited Member (Power System), CEA, for his opening remark and share his aspiration from the Committee based on his vast experience in the power sector.

Member (Power System) emphasized on the importance of PTCC, as coexistence of both electric lines and telecommunication assets require scrutiny and examination of PTCC cases to ensure safety of working personal and telecom assets of Railway, Defense and telecom utilities. He also emphasized on close functioning of all stakeholders to synergize the critical process of PTCC. He informed that India has set an ambitious target of 500 GW of Renewable Energy generation by 2030 and this require us to commission new transmission lines and upscale our existing infrastructure in the power sector. He addressed the upcoming challenges of possible induction in the Railway, Defense and telecom utilities assets, due to this vast network of transmission lines. He informed that during FY 2021-22, 226 cases received in CEA, out of which 209 cases, which is about 11568 ckm of line length, are processed. He appreciated CEA for initiating timely undertaking review of PTCC Manual, 2010 and BSNL for digitizing the PTCC route approval process. He suggested for appointment of Nodal Officer from each department i.e. Railway, Defense and BSNL for close monitoring of all PTCC cases. He wished the forum for resolution of issues flagged for the meeting via effective deliberation.

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Secretary (Telecom), CLPTCC, then invited Defense and Railway representatives for addressing the forum. Shri Suresh Pal Choyal, Lt. Col., Defense, apprised the forum that Defense is extending its full support to the GoI initiatives in direction of RE and is timely clearing all the cases of PTCC in spite of the challenges Defense faces within the country and across the borders. He assured full cooperation from Defense side to discuss the status of cases on one-to-one basis and promptly resolving the issues.

Secretary (Telecom), CLPTCC, then invited Assistant Director (PCD), CEA, to take up the agenda items for deliberations.

A. Confirmation of minutes of the 110th CLPTCC meeting

110th CLPTCC meeting was held on 23rd December 2020. Based on the inputs and status of action furnished by the Defense on draft minutes, the MoM were circulated to the members of the Committee by CEA on 12.03.2021. No comments were received on the MoM from the Committee Members.

The Chair, with the consent of Members, confirmed the Minutes of Meeting.

B. Follow-up action/status on decisions taken in the 110th CLPTCC meeting

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

Background: It was decided in the 109th CLPTCC Meeting that development of V.2 of the PTCC Portal would begin after finalization of the flowcharts depicting the various stages involved in PTCC route clearance. In 110th CLPTCC, meeting it was decided that CEA and BSNL would finalize the flowcharts by resolving deviations pointed out by CEA in the flowcharts vis-à-vis PTCC process in PTCC Manual.

Follow-up action/status: Flowcharts for 220 kV and above lines were revised by CEA and shared with BSNL on 22.02.2021 for their observation *[Annexure-B.1(1)]*. BSNL vide email dated 17.03.2021 confirmed that there is no deviation from their point of view *[Annexure-B.1(2)]*. Therefore, the flowcharts are considered final.

Deliberation & Decision: In the 111th CLPTCC Meeting, CEA requested the Members to furnish their comments, if any, on flowcharts (circulated along with agenda note) through email to cepcd.cea@gov.in. Further, CEA requested BSNL to prepare flowcharts for lines below 220 kV in the same line and furnish to CEA.

Chief Engineer (PCD), CEA, informed the forum about National Single Window System (NSWS) is to be rolled out by the honorable Prime Minister on 15th August, 2022 to foster EoDB. This will help companies to obtain regulatory approvals by completing formalities without hassle. This digital platform is developed by DPIIT along with Invest India of TCS. Under this, three methodologies are being considered. Firstly, in case of already developed portal, it can be interfaced with NSWS. Secondly, in absence of online portal, fresh portal can be developed and interfaced with NSWS. Third method is the hybrid of the first two. In CEA, already three clearances are accorded online which have been interfaced to NSWS. For another clearance from CEA, which was offline, fresh portal has been developed by Invest India and has been interfaced with NSWS.

CGM, BSNL informed that existing portals of DoT are being upgraded and fresh portals are being developed for clearances to telecom companies. However, BSNL is not directly involved in the process. He further informed that BSNL is in the process of

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development of V.2 of the portal which expected to be ready in 2 months i.e. by the end of August, 2022 and all issues in the existing portal will addressed in V.2.

Chief Engineer (PCD) requested BSNL to explore possibilities of interfacing PTCC portal with NSWS and take up the matter with DoT for interfacing of PTCC portal with NSWS.

Member (PS), CEA emphasized the importance of NSWS and suggested that CEA and BSNL should deliberate and decide for inclusion of PTCC portal into NSWS.

CE (PCD), CEA and CGM, BSNL agreed with the suggestion of Member (PS), CEA.

It was decided that:

- (1) Members will furnish their comments on shared flowcharts for PTCC process through email within three weeks from the date of issuance of the minutes of meeting.
- (2) BSNL will prepare flowcharts for lines below 220 kV in the same line as prepared by CEA and share with CEA within three weeks from the date of issuance of the minutes of meeting.
- (3) CEA and BSNL will deliberate with Invest India regarding interfacing of PTCC portal with NSWS along with the launch of V.2 of the PTCC portal.

[Action: CEA, BSNL & Other Members]

B.2. PTCC approval for power Cables

Background: The proposal for waiving off IV calculation of 33 kV and below UG cables was raised by Tata Power in 106th CLPTCC meeting. A brief summary of the proceedings is given in *Appendix*.

In 110th CLPTCC Meeting, it was decided that CEA will send a formal proposal to Defense and Railway regarding waiving off of IV calculations for their telecom circuits in case of 33 kV and below UG power cables. In case there are further reservations, a separate meeting between Defense, Railway, CEA and BSNL will be convened to deliberate on the matter.

Follow-up action/status: A letter was written to Tata Power by CEA *[Annexure-B.2(1)]* to submit a detailed study regarding induction effects on telecom cables under SLG fault in UG power cables.

Tata Power has informed that they along with DTU are carrying out studies on this matter and the final theoretical and experimental results will be shared with CEA in due time *[Annexure-B.2(2)]*.

Deliberation & Decision: On receipt of study report from Tata Power, the formal proposal will be deliberated with the Defense and Railway.

[Action: CEA]

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B.3. Revision of PTCC Manual

Background: As per the decision of the 109th CLPTCC Meeting, a committee was constituted for revision of PTCC Manual with members from CEA, BSNL, Railway, Defense and Power Utilities.

In the 110th Meeting, CEA informed the forum that the draft for revised PTCC Manual is being prepared and requested Railway to provide inputs on Appendix XVII of Chapter-1 (Pages 167-169) of PTCC Manual 2010 which has details of different types of block instruments, so that the same can be updated in revised draft Manual. It was decided that Railway will provide inputs on Appendix XVII of Chapter-1 (Pages 167-169) of PTCC Manual 2010 and CEA will share the draft revised PTCC Manual with Committee members for deliberations and finalization.

Follow-up action/status: Details from Railway are awaited. In this regard, a letter has been written to Director (Tele), Railway Board *[Annexure B.3]*.

Deliberation & Decision: CE (PCD) apprised the members that Director (Tele), Railway Board has informed that the matter has been referred to Research, Designs and Standards Organization (RDSO). He requested Railway to share the information at the earliest so that the same can be incorporated in the revised draft PTCC Manual.

CCE, South Western Railway informed that the information received from RDSO will be shared with CEA.

[Action: Railway]

B.4. Login credential for PTCC Portal and PRAC format

Background: In 110th CLPTCC Meeting, MSETCL informed that following agenda items from 109th Meeting MoM were pending:

- 1. Login credentials for online PTCC portal**
- 2. Provisional PTCC RAC format in line with final PTCC RAC**

MSETCL informed that Provisional RAC issued by BSNL for “220kV D/C line from Shirsuphal to proposed 220 kV Shirsai TSS” is not in accordance with Committee's decision as per MoM of 109th CLPTCC meeting wherein it was decided that provisional RAC shall have same format as final RAC. CEA advised BSNL to instruct its zonal offices to issue provisional RAC in same format as the final RAC.

It was decided that BSNL will provide login credentials to MSETCL and will ensure that provisional RAC is issued in same format as final RAC.

Follow-up action/status: BSNL has informed that they have complied with the same.

Deliberation & Decision: In the 111th CLPTCC Meeting, BSNL and MSETCL confirmed that items have been resolved. Therefore, this agenda item is being closed.

[Item Closed]

B.5. Waiving off PTCC clearance for armored OFC cable for BSNL

Background: BSNL had sought opinion from CEA on requirement of PTCC clearance for laying of armored OFC cable in BSNL U/G OFC network *[Annexure B.5(1)]*. CEA had replied that Chapter 3 Section C of PTCC Manual 2010 provides procedure for the same

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and, therefore, BSNL may submit the PTCC proposal in accordance with the manual *[CEA letter enclosed at Annexure B.5(2)]*.

In 110th CLPTCC Meeting, BSNL requested that PTCC clearance in case of laying of armored OFC cable in BSNL U/G OFC network may be waived off since other telecom authorities (Railways for example) are not taking PTCC clearance. Chairman, CLPTCC replied that the armor of OFC has high resistivity and in case of close proximity with power lines and substations, there may be cases of IV crossing safe limits. He suggested that present PTCC Manual guidelines should prevail until some conclusive study is conducted to ascertain safety of armored OFC from induction. Co-Chairman, CLPTCC, agreed with the suggestion.

It was decided that telecom authorities will submit PTCC proposals for laying/establishment of telecom line/Assets in accordance with Chapter 3 Section C of PTCC Manual 2010. Telecom authorities were also asked to provide details of appropriate authorities that give commissioning permission for their telecom lines, in the same line as SLDCs give charging permission for transmission lines.

Follow-up action/status: Neither any proposal nor details of appropriate authorities that give commissioning permission for telecom lines has been received in this regard. However, BSNL has again submitted that as no private/PSUs/Government department providing telecom/data services are taking PTCC approval as on date, the same may be waived off for BSNL.

Deliberation & Decision: In the 111th CLPTCC Meeting, CE (PCD), CEA clarified that as per regulation 69 of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010, later entrant has the responsibility to ensure protection. Therefore, exemption cannot be provided in this forum. However, the said regulations are being amended and comments are being sought from stakeholders. The details are available on CEA website. BSNL may furnish their comments on the same. BSNL agreed with the same. It was decided that status quo will be maintained and this agenda item will be closed.

[Item closed]

B.6. Conducting SLPTCC Meetings

Background: In the 110th CLPTCC Meeting, RVPNL submitted that it did not have SLPTCC meeting in Rajasthan in the past one year. CLPTCC requested BSNL and STUs to convene the SLPTCC meetings regularly. Further, CLPTCC requested States to constitute SLPTCC at the earliest, where SLPTCC is not functional, on the lines of the State of Gujarat.

It was decided that BSNL and STUs will convene the SLPTCC meetings regularly and States, where SLPTCC is not functional, will constitute SLPTCC at the earliest with intimation to CEA.

RRVNL has again submitted in their current agenda that the last SLPTCC meeting was held on 18.03.2019. SLPTCC meeting need to be convened by BSNL Rajasthan on regular basis either physically or by video conferencing, so that the PTCC approval and other issues may be expedited.

CEA has observed that no references (meeting notice, agenda, minutes etc.) related to SLPTCC are being received since last 2-3 years which implies that SLPTCC meetings

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are not being conducted. CEA emphasized the importance of SLPTCC and requested BSNL to furnish the region-wise status of SLPTCC.

Deliberation & Decision: In the 111th CLPTCC Meeting, BSNL informed that SLPTCC meetings are being organized in MP, Maharashtra and Punjab. For Rajasthan, SLPTCC meeting is planned to be held in July, 2022. It was decided that BSNL and STUs will coordinate for organizing SLPTCC meetings regularly and BSNL will furnish the region-wise status of SLPTCC to CEA within three weeks from the date of issuance of the minutes of meeting.

[Action: BSNL and STUs]

B.7. PRAC due to non-submission of telecommunication details from Defense –

Background: In 110th CLPTCC Meeting, RRVPNL requested that requirement of re-applying for Provisional PTCC Approval after exhaustion of its validity (i.e. after 60 days) for works of Government agencies like Railways, Metro, National Highways, Power utilities should be waived off.

CEA recommended that the request for extension of provisional RAC may be sent to CEA. If CEA ascertains the requirement as urgent, it would recommend BSNL to issue PRAC immediately.

It was decided that power utilities will send request for extension of provisional RAC to BSNL through CEA and BSNL will issue extension within time limit as prescribed by CEA.

Deliberation & Decision: This issue is resolved and therefore this agenda item is being closed.

[Item Closed]

B.8. RAC to be treated as deemed EA in case no assets exist in EPR zone and no protection is required for the circuits –

Background: In the 110th CLPTCC Meeting, KPTCL and POWERGRID requested the CLPTCC forum for directing the BSNL authorities i.e. DET (PTCC) Chennai to release RAC as deemed EA, if;

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

After discussion in the 110th CLPTCC meeting, it was decided that while forwarding the marked topo map, BSNL shall mark the telecom assets also including BSNL exchanges within 8 km vicinity of proposed transmission line along with the telecom details. CEA shall verify the EPR zone and intimate to BSNL in case any assets are falling within the EPR zone. In case, there are no assets in EPR zone and no protection is recommended, instructions shall be written in RAC stating that this is to be treated as “Deemed EA”.

Follow-up action/status: BSNL has informed that they have complied with the decision.

Deliberation & Decision: In the 111th CLPTCC Meeting, CEA informed that BSNL TDs received in CEA from different regions do not have same format and sometimes vital information are also missing. CEA asked for the following from BSNL:

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1. DETs to send complete TDs in original as received from field offices/CFAs along with consolidated list of cable details (compiled by DET),
2. details and marking of telecom assets in topo-maps for verification of EPR,
3. TDs in topo-maps should be verified & signed by field offices/CFAs.

CEA requested GM, BSNL to issue suitable instructions to DETs that this practice be followed uniformly across regions. BSNL agreed with the same.

[Action: BSNL]

B.9. Details of Nodal officers of Defense for PTCC cases –

Background: In the 106th meeting Defense representative informed that seven zones have been identified. Each zone will have a nodal officer. It was 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. It was also assured that after completion of this project, 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.

In the 110th CLPTCC meeting, the Defense representative informed that the details of Nodal Officers will be shared with the Committee by June, 2021. Meanwhile, for expeditious disposal of the cases, contact details of concerned civilian officer will be shared. It was decided that CEA will share the contact details received from Defense with the Members of the Committee.

Follow-up action/status: MoD vide their letter dated 19.03.2021 informed that present practice in vogue i.e. centralized agency and not separate agencies must be followed and has shared the contact details of the centralized agency.

Deliberation & Decision: The contact details of the centralized agency provided by Defense has been shared with the Members. The same is also attached at *Annexure B.9*. This item is being closed.

[Item Closed]

C. New Agenda Items

C.1. Agenda from MSETCL

(1) Denial of charging permission on Provisional RAC by RLDCs

MSETCL informed that PRAC for 220 kV Solapur-Narangwadi D/C line was issued by BSNL on 24.06.2021 but charging of the line was denied by WRLDC, which kept insisting for final RAC despite regular pursuance from MSETCL. Finally, on 25.07.2021, WRLDC allowed the charging of the said line after a month delay on the basis of PRAC.

MSETCL has requested that a suitable guideline in this regard may be issued by CEA.

Deliberation & Decision: CE (PCD), CEA stated that there is no requirement of issuing any specific guidelines as such. However, such cases may be referred to CEA for resolution at the earliest.

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Member (PS), CEA sought clarification on difference between PRAC and Final RAC.

CE (PCD) CEA informed that in case some details are pending and charging of line is urgent from system point of view, then CEA considers the request of power utility based on the inputs from RPCs/monitoring division. Accordingly, CEA recommends for PRAC which is valid for 2 months. The format of PRAC is same as that of Final RAC.

Member (PS), CEA enquired about the criteria which Defense considers while issuing NOC and if undertaking of power utility regarding no Defense establishment in the vicinity would be sufficient. Defense representative informed that NOC is furnished based on the inputs from local Defense units about telecom assets present in 8 km vicinity of proposed power line route.

Member (PS), CEA further enquired whether Defense clearance will be required if the line is passing beyond 8 km from the Defense establishment. Defense representative stated that same cannot be allowed as there may be some Defense establishments which are not disclosed for civil authorities and therefore, examination of route map by field Defense units and endorsement by higher authorities is required.

Member (PS), CEA agreed with the view of Defense representative and advised the forum that in such cases as raised by MSETCL, utilities may follow-up with CE (PCD), CEA for resolution.

Members agreed with the suggestion of Member (PS), CEA.

GM, North, BSNL raised the concern that provisional RAC are becoming more frequent and should be discouraged as safety of telecom circuits may be compromised. Cases may be recommended for PRAC only in exceptional cases. CE (PCD), CEA agreed that the practice of PRAC should be done in exceptional cases where charging of line is urgent but clarified that CEA, being the apex technical body under Ministry of Power, has the onus to ascertain the urgency of charging the lines considering system requirement. He further added that PRAC is generally recommended after ascertaining the urgency of charging the line and due process is followed. He further explained that post PTCC RAC, transmission licensee has to obtain charging approval from Electrical Inspector of concerned State/GoI in compliance to CEA (Measures relating to Safety and Electric Supply) Regulations, 2010.

Member (PS), CEA stated that transmission licensee faces penalties for not charging the line timely as they have certain commitments towards generators (including RE Generators) and consumers. Therefore, there should be strict timeline for all concerned organizations to furnish their details, reports and NOCs. If this timeline is exceeded, concerned agency may give in writing the issues in furnishing clearance and resolution thereof, failing which, CEA may recommend for PRAC considering urgency of charging the line.

CGM, BSNL added that in addition to this, timelines for regularizing PRAC should also be finalized.

CE (PCD), CEA agreed with suggestions and confirmed that timelines will be framed in consultation with BSNL, Railway and Defense. It was decided that:

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- (1) Utilities may follow-up with CEA on issues (if any) related to charging of power line based on PRAC.
- (2) Timelines for furnishing of information and regularization of PRAC will be framed by CEA in consultation with BSNL, Railway and Defense.

[Action: CEA, BSNL, Railway, Defense]

(2) BSNL TDs by DET PTCC Mumbai

MSETCL has informed that BSNL field persons are not well versed with marking of telecom details on the Topo-sheet that leads to delay in PTCC approval. MSETCL requested BSNL for imparting training to BSNL field persons regarding ***'How to mark TDs in topo sheet as per the guidelines given in PTCC Manual 2010'***.

Deliberation & Decision: GM, BSNL, Jabalpur informed that concerned JTO from Mumbai can be approached for the same. CGM, BSNL suggested that a guidance session can be conducted online for new staffs. GM, BSNL, Jabalpur confirmed that the same will be taken care of.

It was decided that BSNL will impart training/guidance to its field officers on marking of TDs in topo sheet as per the guidelines given in PTCC Manual.

[Action: BSNL]

(3) Condition put by Defense for Joint Survey by local Defense and Pune Metro officials

MSETCL has informed that in case of 4 nos. of Pune Metro PTCC proposals (132 kV u/g cable work), Defense intimated that the 'alignment of the proposed 132 kV u/g cable lies along important Army OFC routes. Hence, no permission for digging/trenching to any civil Agencies on the sub stretches can be granted to safeguard the above-mentioned critical communication links. However, manual digging (No JCB/machine based trenching) may be considered consequent to a joint survey of PMRP representatives along with representative of Southern Comd. Sig. Regt.'

MSETCL has clarified to Defense through this platform that PTCC clearance estimates electrical parameters viz.

- IV by low frequency power signals during SLG fault to nearby high frequency telecom signal; and
- EPR contour (430V) due to proposed EHV S/S.

PTCC clearance has nothing to do with project execution methodology. Such joint survey condition unnecessary delays NOC to be received from Defense New Delhi HQ for RAC.

Deliberation & Decision: Defense representative responded that for furnishing NOC, Defense relies of the information received from its field units that take all due precautions considering that Defense establishments are sensitive in nature. Defense tries to clear all cases in timely manner. However, there may be some exceptional instances where joint survey may be required to ascertain safety of Defense telecom assets. He added that for the referred PTCC cases, NOCs have been accorded in April and June 2022.

CE (PCD) explained PTCC clearance requires only marking of TDs on topo-map and is therefore independent of joint survey and requested Defense that the PTCC cases may not be held for joint-survey. Defense representative responded that he has taken a note

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of the issue and requested that the issue may be communicated to Defense in writing for consideration at higher level.

[Action: MSETCL]

(4) Improvement in BSNL PTCC portal and its use by Railways/Defense/DET PTCC/CEA

MSETCL has pointed out that subsequent to registering of PTCC cases on BSNL PTCC portal, applicants (Power utilities) do not have access to view or download what they have uploaded. In addition, status of cases cannot be traced through portal. Also, the portal i.e. <http://ptcc.bsnl.co.in> is non accessible for on-line registration of new PTCC proposals and RAC download for almost over a month.

MSETCL has requested for improvement in the portal and uploading of reports/details on the portal by all concerned organizations viz. CEA/BSNL/Railway/Defense for status update.

In addition to agenda of MSETCL on BSNL PTCC Portal, RRVPNL, BSNL and CEA have also raised following issues:

RVPNL: RVPNL has informed that at the time of uploading PTCC cases online, the details are entered but sometimes due to server error, pdf files are not uploaded and some applications get rejected on this basis. Also, after rejection there is no link for uploading documents.

BSNL: None of the stakeholders (SEB/CEA, Railway, BSNL CFA of territorial Circle, Defense) update status in portal. As a result, RAC cannot be uploaded. Survey Reports should be filled online by concerned Telecom authorities so as to facilitate digitization of PTCC process and for generation of system generated RAC from portal.

CEA: Under EoDB, it is opined by CEA that for new users, automated User Registration facility should be provided on PTCC portal. This will ensure submission of PTCC proposal on the portal by concerned licensees.

Deliberation & Decision: MSETCL explained the difficulties being faced with the PTCC portal. GM, BSNL, Jabalpur informed the forum that there are some issues in the existing portal, which will be taken care of in V.2 which is under development. TSTransco suggested that there may be facility to review the application before submission. He further added that suggestions on improvement of portal were given in earlier PTCC Meetings as well for consideration in upgraded version. However, seeing that there is still some time in upgradation, he suggested that minor modifications, like provision for review and tracking of application, in the current version may be done so as to make the portal more accessible. CE (PCD), CEA stated that there is no provision for uploading of documents for CEA, Railway and Defense side and the same may be enabled. He enquired whether development is outsourced or being done in-house and insisted that definite timeline for roll-out of V.2 should be given. GM, BSNL, Jabalpur informed that tracking facility is already available in the portal and some modification is under process in V.2 which may be rolled out in 2 months time. He suggested that, in the meantime, agencies may reach out to concerned SDE Mr. Srinivas (Mob.), associated with portal development, in case of difficulties in uploading the documents.

Member (PS), CEA stated that as GoI has mandated NSWS, decision should be quickly taken to interface the online portal with NSWS in consultation with DPIIT and

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TCS as they are in the process of finalizing the system. CE (PCD), CEA assured that necessary action will be taken in consultation with BSNL/DPIIT/TCS.

Meanwhile, CEA requested BSNL to depute an officer to give full demonstration of the portal in Office of Chief Engineer (PCD Division), CEA.

It was decided that

- (1) BSNL will resolve the issues raised by stakeholders in the PTCC portal and depute an officer to give full demonstration of the portal in Office of Chief Engineer (PCD Division), CEA.
- (2) CEA and BSNL will coordinate for inclusion of PTCC portal in NSW.
- (3) BSNL to make efforts for roll-out of V.2 of the portal in two months as mentioned by them.

[Action: BSNL & CEA]

(5) Agenda with the permission of the Chair

Issue regarding screening factor for Railway circuits was raised by MSETCL with the permission of the Chair. MSETCL informed that in one particular case, IV calculated by them for Central Railway circuits without considering screening factor, was in the range of 1900 V and therefore, Central Railway has denied NOC and asked MSETCL to divert the line.

CE (PCD), CEA informed that a letter has already been written to Central Railway regarding the screening factor considered by CEA for Railway telecom circuits and asked the Central Railway to intimate in case of deviation from practice being followed at CEA. He advised MSETCL to wait for response from Railway. APTransco requested to share a copy of CEA letter with STUs.

As decided, a copy CEA letter is attached herewith at **Annexure C.5** for information of all concerned.

[Action: Railway]

C.2. Agenda by GETCO

GETCO has proposed that charging of the line, from PTCC point of view, should be allowed by RLDCs/SLDCs on the basis of IV computation letter of CEA/STU, for cases where protections are not required.

Deliberation & Decision: At the time of agenda take up, GETCO did not respond. However, GM, North, BSNL has expressed reservations on the GETCO proposal and requested that the existing practice should continue.

It was decided to close this agenda item.

[Item Closed]

C.3. Agenda by BSNL

1. Most of the letters from CEA (Scrutiny letters, IV calculations etc.) are not being received by DET PTCC, North, directly either on mail/by post. The letters from CEA may be sent preferably on mail to concerned DET PTCC to avoid delay in issuance of RAC.

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Deliberation & Decision: CEA responded that letters are being sent on mail to the respective DET.

DET PTCC North, BSNL mentioned that recently letters from CEA are being received with “Sd/-” and are not physically signed. CEA responded that all file works have been migrated to e-office. However, at present there are some issues in e-sign facility of e-office, due to which letters are being sent with “Sd/-” which means the document is signed without having the physical signature. The letters are approved in e-office with file no. stamped on them and sent to all concerned from official e-mail id.

CGM, BSNL, stated that such issues are related to office procedures and should not be raised at this forum. He instructed DETs to treat such correspondences as legitimate.

[Item closed]

2. The IV calculation sheet of railway lines may also be attached in the copy of DET PTCC.

Deliberation & Decision: CEA informed that IV calculation are being sent to concerned organizations. DET BSNL stated that IV calculation are required by them for uploading on the PTCC Portal. CEA replied that as decided in Item C.1 (4), BSNL will depute an officer to give full demonstration of PTCC Portal so that CEA can upload the IV calculation from its end. Accordingly, same practice can be followed by other organizations.

[Action: BSNL]

3. From the last one year it has been observed that exceptional practice has become general practice that CEA recommends to issue provisional PTCC approvals without NOC of BSNL and Railway whereas in the 108th CLPTCC meeting Joint Director (Telecom), Railway Board, New Delhi, stated that the IV Value or RAC should not be issued without submission of Railway details or NOC from Railway side because safety circuits also are working on Telecom cable.

Already discussed in C.1 (1).

[Item closed]

4. NOC issued by Defense for PTCC routes offered in Eastern Zone not submitted/sent to DET PTCC(ER), Kolkata.

Deliberation & Decision: Defense representative responded that it is difficult for them to segregate cases region-wise. However, in future, reference/NOCs will be marked to the addresses present in the proposal letter. CEA responded that NOCs/references may be sent to CEA/STUs and applicant only.

[Item closed]

5. Recently, North East Frontier Railways have communicated vide letter no. N/146/2/10Pt.V (TC) dated 29.04.22 that they will not issue NOC but will only issue recommendation mentioning the Railway circuits in the range of proposed lines and forward to DET PTCC. Guidelines may be drafted for such cases as to how to issue RAC in the absence of NOC from Railways or the procedure for calculation of IV for railway circuits by concerned SEB.

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Deliberation & Decision: No representation from North East Frontier Railway in the meeting. CE (PCD), CEA stated that furnishing of NOC is a must as per PTCC norms and requested Railway to follow due process. CEA will follow-up the matter with Railway.

[Action: Railway]

6. For PRAC above 132 kV, CEA communicates by letter for issuing PRAC, but no guidelines available for lines upto 132 KV for issuing letter to DET PTCC for issuing PRAC.

Deliberation & Decision: CEA clarified that concerned STU may recommend for PRAC for cases where line charging is urgent by ascertaining the urgency.

[Item closed]

C.4. Agenda by CEA

1. TDs/NOCs of Railway and Defense

TDs/NOCs of Railway and Defense should be sent to CEA/STUs instead of forwarding to BSNL. After issuance of IV calculations, NOCs should be sent to BSNL with a copy to CEA/STUs. All Railway zones are also requested to mention safe voltage limit for block instrument in the NOC.

[Action: Railway and Defense]

2. Email details of nodal officer/division – All Railway Zones

Email details of concerned nodal officers for PTCC of all Railway Zones are required for successful implementation of e-office and efficient utilization of resources.

[Action: Railway]

3. Details of block instruments – All Railway Zones

Details of block instruments viz. type of block instruments, safe voltage limit of IV etc. and details of telecom cables i.e. type and size of cable and its corresponding screening factor should be mentioned in TDs.

[Action: Railway]

4. Non-receipt of PTCC RAC

In 109th CLPTCC meeting it was decided that all DETs shall send a copy of RAC to CEA by e-mail. However, it has been noticed that this decision is not being fully complied by the DETs. CGM, BSNL (QA & Inspection Circle) should issue directions to all concerned GMs/DETs in this regard.

[Action: BSNL]

5. Updating of e-mail id

This is to inform that as per e-mail policy of GoI, all official communications are to be done using e-mail services provided by NIC by all organizations except those exempted under clause no. 14 of the policy. The e-mail services provided by other service providers shall not be used for any official communication.

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In view of the above, a new e-mail id **cepcd.cea@gov.in** was created for PCD Division, CEA, office in July, 2021. Therefore, all official communication to Chief Engineer office should be made to **cepcd.cea@gov.in** mail id only. Committee members are also requested to share their e-mail ids for official communication with CEA as per applicability of above policy.

[For information]

D. Status of PTCC cases

Utility wise status from CEA is given in Annexures. Utilities and Organizations are requested to take necessary action for disposal of cases.

KSEBL: Annexure D.1.

KPTCL: Annexure D.2.

BSPTCL: Annexure D.3.

PSTCL: Annexure D.4.

APTRANSCO: Annexure D.5.

MPPTCL: Annexure D.6.

GETCO: Annexure D.7.

OPTCL: Annexure D.8.

PTCC Approval for Underground Power Cables

The proposal for waiving off of IV calculation of 33 kV and below UG cables was raised by Tata Power in 106th CLPTCC meeting.

In the 107th CLPTCC meeting, it was proposed to waive-off Induced Voltage (IV) calculations on telecom circuits due to underground power cables of voltage level 33 kV and below due to low induction caused by them. It was decided that power utilities would submit PTCC proposal along with self-certification to telecom authorities and in case of no-objection from telecom authorities within a month, power utilities could charge the power cable. Accordingly, BSNL circulated guidelines vide letter dated 13.03.2019.

In 108th CLPTCC meeting, CEA suggested changes in the guidelines and it was decided that BSNL would issue the revised guidelines. Further, representative from Railway did not agree to waive-off IV calculations for Railway telecom circuits due to safety consideration. Inputs from Defense could not be recorded due to non-representation.

Revised guidelines prepared by BSNL were taken up for discussion in 109th CLPTCC meeting and it was observed that the same were still not aligned with changes suggested by CEA. Thus, it was agreed in 109th CLPTCC meeting that CEA would prepare the guidelines for self-certification of PTCC cases for underground power cable of voltage level 33 kV and below.

In the 110th CLPTCC meeting, CEA informed that while preparing the guidelines, it had following observations:

- 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 comparatively less. Therefore, their PTCC clearance process needs to be completed expeditiously.
- 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 SLG fault current.
- c) Waiving off IV calculation for BSNL telecom cables alone cannot cut down the time taken in PTCC clearance.

Chairman, CLPTCC briefed the Defense and Railway representatives that in 33 kV and below power cables, the protection against IV would be not be required due to the following reasons:

- Lower fault current
- Lesser chances of SLG fault
- Double screening effect
- Better insulation
- Shorter length of such cables
- Absence of auto-reclosing feature

Considering above and GoI resolution for Ease of Doing Business (EoDB), CEA urged Railway and Defense to reconsider waiving off IV calculations 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.

Defense representative replied that the matter will be taken up with the higher authorities. Railway representative requested that a formal proposal may be sent to the Railway Board in this regard. The matter would then be taken up with Signaling Division of Railways.

List of Participants

S. No.	Name	Designation	Organization
Central Electricity Authority			
1	Goutam Roy	Member (Power System)	CEA
2	Upendra Kumar	Chief Engineer	CEA
3	Asit Singh	Member Secretary	Southern Regional Power Committee
4	Prateek Srivastava	Asst. Director	CEA
5	Tanuj	Asst. Director	CEA
6	Arjun Agarwal	Asst. Director	CEA
Railway			
7	DB Singh	CCE, SWR	SWR
Defense			
8	Suresh Pal Choyal	GSO-1 Sigs 7, DG Sigs	Indian Army
BSNL			
9	Chittaranjan Mohapatra	CGM QA & I	BSNL
10	Giriraj Singh	GM HQ BSNL Jabalpur	BSNL
11	Pallavi Tandon	PGM QA & I North, New Delhi	
12	Shailendra Choudhary	DGM QA & Inspection Circle Patna/Kolkata/Guwahati	BSNL
13	Neeta Mehta	DGM QA & INSP Mumbai	BSNL
14	I S S Mishra	DET PTCC, NZ, New Delhi	
15	K Giridhar	AGM CFA, KTK circle	KARNATAKA CIRCLE BSNL
16	Alok Mishra	AGM PTCC Jabalpur	BSNL
17	M.Seshagiri Rao	AGM MIS	BSNL
18	Lokesh Kashyap	OSD	BSNL
19	Vishal Parmar	SDE PTCC Gujarat	BSNL
20	Sudhir	SDE TX Jhunjhunu	BSNL
21	Atul Mahajan	SDE PTCC BSNL Bhopal	BSNL
APTRANSCO			
22		Chief Engineer, Vishakhapatnam	APTRANSCO
23		CE zone Kadapa	APTRANSCO
24		SE/Construction/Kurnool	APTRANSCO
25	Vdbsrinivasarao	SE APTransco	APTRANSCO
26	K.Karunakar	SE/OMC/Tirupati	APTRANSCO
27	Sri N. Anand	SE OMC Anantapur	APTRANSCO
28	M. Madhusudhan	Executive Engineer	APTRANSCO

29	Sreeramachandra Murthy	Executive Engineer 400KV Construction Kadapa	APTRANSCO
30	S. Subramanyam Reddy	EE O&M Division Chittoor	APTRANSCO
31		Executive Engineer	APTRANSCO
32	J Sabita Rose	DEE TC SLDC	APTRANSCO
33	Poornima	DEE	APTRANSCO
34		AEE TC NLR	AP TRANSCO
35	N Siva Narasimha Reddy	AEE	APTRANSCO
36	Jaya Mudu	AEE Telecom Eluru	APTRANSCO
KPTCL			
37	James Philip	Chief Engineer	KPTCL
38		Asst Executive Engineer	KPTCL
BSPTCL			
39	Rakesh Kumar	EEE (ULDC & Telecom)	BSPTCL
40	Priyanshu	AEE Telecom	BSPTCL
DVC			
41	Vinaysheel Ashok	Superintending Engineer (Electrical)	DVC
GETCO			
42	S R Yadav	DE	GETCO
MPPTCL			
43	Archana Tiwari	Executive Engineer	MPPTCL
44	Vinay Kumar Parwar	Executive Engineer	MPPTCL
KSEBL			
45	Sreekumar G	Deputy Chief Engineer	KSEBL
46	Rajesh K	Executive Engineer	KSEBL
47	Abdussalam CV	Assistant Executive Engineer	KSEBL
48	Manojkumar.k	Asst.Executive Engineer	KSEBL
TSTRANSCO			
49	A Surekha	Chief Engineer Construction	TSTRANSCO
50	N S Ravi	Superintending Engineer 400kv	TSTRANSCO
MSETCL			
51	Jagannath P Chude	Superintending Engineer (Projects Schemes Deptt.)	MSETCL
52	Umesh P Lanjawar	Executive Engineer (Projects Schemes Deptt.)	MSETCL
Other Pvt. Utilities			
53	Pankaj Kumar	Vice President	Sterlite Power Transmission Ltd.

54	Narender Kumar Ojha	Associate Manager	Adani Transmission Ltd.
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Flowcharts for PTCC Process - regd

From : Prateek Srivastava <prateek.sri@gov.in>

Mon, Feb 22, 2021 01:30 PM

Subject : Flowcharts for PTCC Process - regd

 2 attachments

To : RAM PRAKASH AHIRWAR <rpahirwar@bsnl.co.in>

Cc : rajireddy in <rajireddy.in@gmail.com>, Celdntcea <Celdntcea@gmail.com>, rp cea <rp_cea@ymail.com>

Sir

Please find attached flowcharts depicting PTCC clearance process for transmission lines of voltage level 220 kV and above. It is requested to go through the same and provide your inputs. If needed, we can have a virtual meeting to discuss the same.

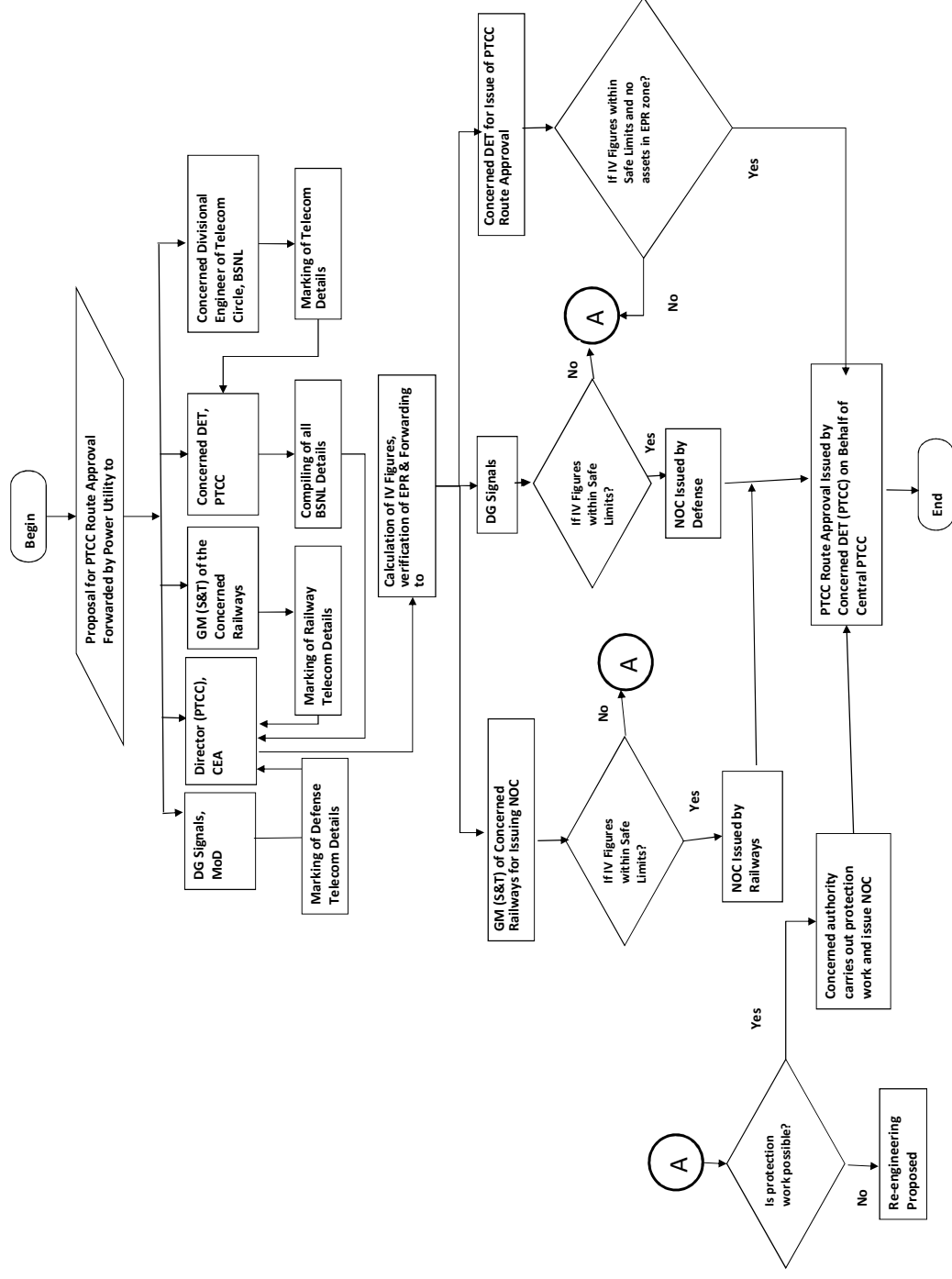
Please note that these flowcharts are for PTCC process and not the workflow of PTCC portal.

Regards
Prateek Srivastava
Assistant Director, PCD Division
Central Electricity Authority
Contact: 8017006309

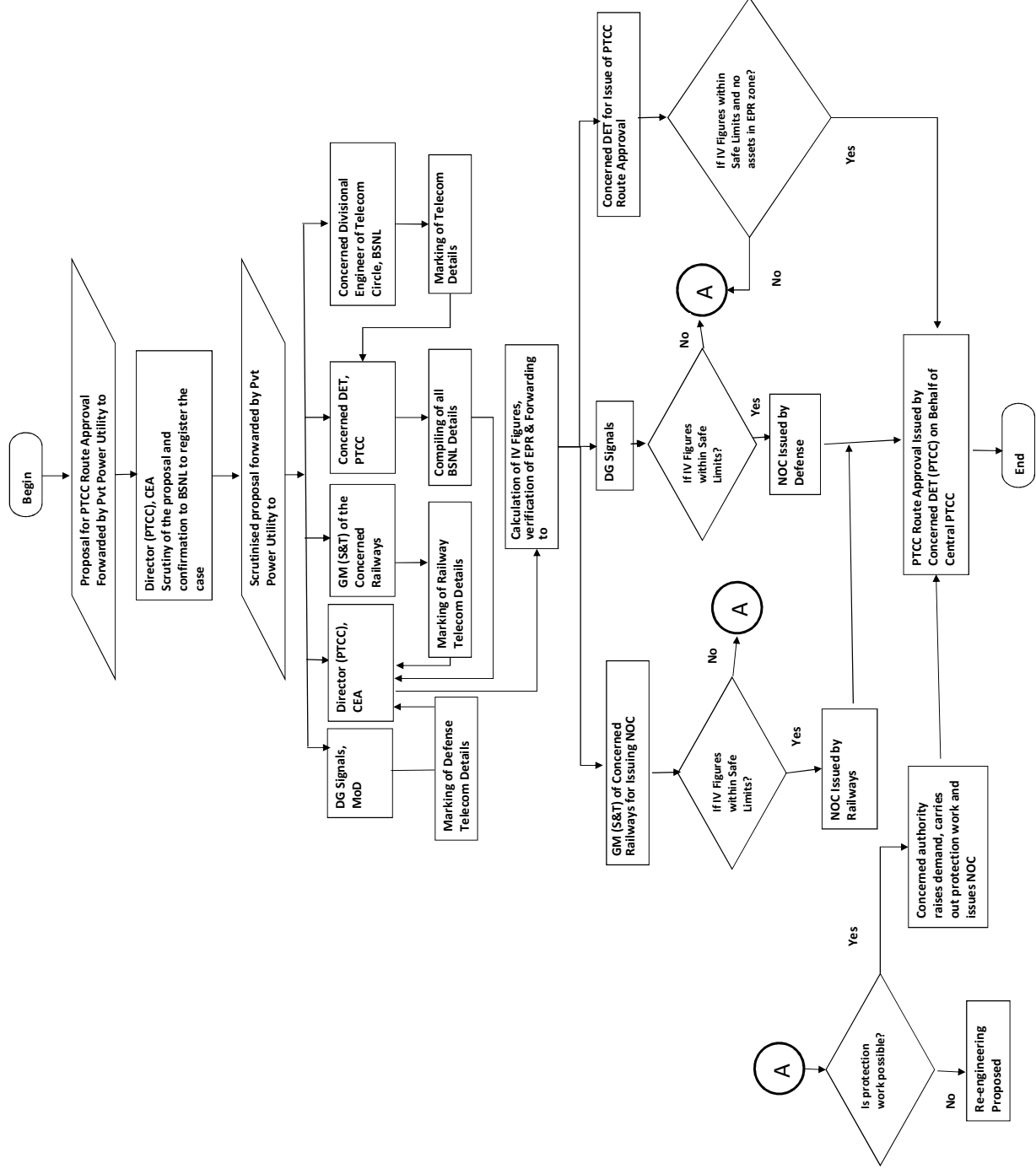
 **Flow chart for 220 kV and above (non-pvt).pdf**
391 KB

 **Flow chart for 220 kV and above (pvt).pdf**
391 KB

Flow-chart of PTCC Process for 220 kV and above transmission lines of Non-Pvt Power Utility



Flow-chart of PTCC Process for 220 kV and above transmission lines of Pvt Power Utility



Fwd: URGENT & TIME BOUND: Flowcharts for PTCC Process - regd

From : RAM PRAKASH AHIRWAR <rpahirwar@bsnl.co.in>
Subject : Fwd: URGENT & TIME BOUND: Flowcharts for PTCC Process - regd
To : Prateek Srivastava <prateek.sri@gov.in>
Cc : GIRIRAJ SINGH <giriraj93@bsnl.co.in>

Wed, Mar 17, 2021 04:57 PM

 2 attachments

Respected sir,

The proposed flow charts by CEA, New Delhi has **no deviation**. However, for discussion on flow charts and other issues, a virtual meeting may be held between BSNL and CEA.

Regards
R P Ahirwar
AGM(PTCC)
QA & Inspection Circle

Please find attached flowcharts depicting PTCC clearance process for transmission lines of voltage level 220 kV and above. It is requested to go through the same and provide your inputs. If needed, we can have a virtual meeting to discuss the same.

Please note that these flowcharts are for PTCC process and not the workflow of PTCC portal.

Regards
Prateek Srivastava
Assistant Director, PCD Division
Central Electricity Authority
Contact: 8017006309

 **Flow chart for 220 kV and above (non-pvt).pdf**
391 KB

 **Flow chart for 220 kV and above (pvt).pdf**
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Annexure B.2(1)



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,
Shri Ganesh Srinivasan,
Chief Executive Officer,
Tata Power Delhi Distribution Limited,
NDPL House, Hudson Lines,
Kingsway Camp, Delhi - 110009

Subject: - Follow-up action on 110th Central Level Power and Telecommunication Coordination Committee (CLPTCC) Meeting – regd.

This is to inform that CLPTCC in its 106th Meeting held on 25.05.2018 deliberated on an agenda item “C1. Whether PTCC approval is needed for Power Cables”. However, due lack of clarity on the issue, it was decided in the meeting that a Sub-Committee comprising representatives from CEA, BSNL, Power utilities, Manufacturers of cables and Discoms may be constituted to study the case further and report to CLPTCC.

1. As per the decision of 106th CLPTCC Meeting, a subcommittee was formed to discuss the requirement of PTCC approval for UG power cables. In the subcommittee meeting held on 12.11.2018, which was attended by officers from CEA, BSNL, KPTCL, DTL, MSETCL and a representative from Tata Power DDL, Tata Power volunteered to explore the possibilities to carry out study regarding induction effects on telecom cables under SLG fault in UG power cables. Tata Power agreed to borne the expenditure incurred for the same. Meanwhile, subcommittee recommended that PTCC clearance of UG power cables of voltage level up to and including 33 kV may be done on self-certification basis and Induced Voltage calculation may be waived off. [Gist of discussion of subcommittee meeting enclosed as Annexure]
2. Report of the Sub-committee was presented before CLPTCC in its 107th meeting and it was proposed that power utilities may submit PTCC proposal for 33 kV and below UG power cables with self-certification. Here, it is mentioned that representative of Railway offered no comments in matter during the meeting as well as on the minutes of the meeting. Further, no representation was there in the meeting from Defense side.
3. While finalizing the procedure for self-certification in 108th & 109th CLPTCC Meeting, Railway did not agree with the proposal and refused waiving off railway

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NoC without IV calculation. Inputs from Defense could not be taken due to non-participation in the meeting.

4. Taking cognizance of Tata Power letter no. TPDDL/CEO/2020-21 dated 25th September 2020, CEA in 110th CLPTCC Meeting, held on 23.12.2020, again urged Railway and Defense to reconsider waiving off Induced Voltage calculation on their respective telecom circuits in case of SLG fault in UG power cables of voltage level up to and including 33 kV. To this representative from Railway submitted that CEA may send a formal proposal to Railway Board in this regard for consideration whereas Defense representative submitted that the matter would be taken up with higher authorities.
5. In pursuance of 110th CLPTCC Meeting decision, CEA communicated with Tata Power over email to provide findings / studies as Tata Power volunteered to explore the possibilities to carry out studies regarding induction effects on telecom cables under SLG fault in UG power cables during the subcommittee meeting held on 12.11.2018. However, CEA has observed that the document provided by Tata Power does not cover scenario of Induced Voltage developed in telecom cables under SLG fault in UG power cable.

(Minutes of CLPTCC Meetings, if required for reference, are available at <https://cea.nic.in/ptcc/?lang=en>)

Therefore, to take up the matter with Railway and Defense appropriately, it is requested that a detailed study regarding ***Induced Voltage developed in telecom cables under SLG fault in UG power cable (up to 33 kV voltage level in particular)*** may be submitted at the earliest.

Encl.: as above

Sincerely,

Signature Not Verified
Digitally signed by RAGHUVENDRA PRATAP SINGH
Date: 2021.04.09 17:09:25 IST

Director, PTCC

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Annexure

Gist of discussions of the meeting of the Sub-Committee to examine induction effects due to Underground Power Cable at Telecom cable circuits, held on 12/11/18 at CEA, New Delhi

To examine the induction effects of UG Power Cable at nearby underground telecom circuits, the meeting of the Sub-Committee under the chairmanship of Chief Engineer, PCD, CEA was held on 12/11/2018 at the Office of CE, PCD Division, CEA, NRPC Building, Katwaria Sarai, New Delhi-110016. The meeting was attended by officers from CEA, BSNL, KPTCL, DTL, MSETCL and Tata Power Discom. A list of participants is enclosed at **Annex**.

Background

In the last (106th) CLPTCC Meeting held on 25/05/2018 at Mahabaleshwar, requirement of PTCC approval of UG power cables was discussed. It was decided that a Sub-Committee comprising representatives from CEA, BSNL, Power Utilities, Cable Manufacturers and Discoms would study the issue.

Deliberations held in the meeting

Welcoming the participant, CE, CEA stated that CEA's Safety Regulations have provisions for requirement of PTCC clearance of O/H Power line of 11kV and above, but there is no mention of UG power cables in the Regulations. PTCC Manual at page-12, clause-6.4.10 states that route approval for power cables would continue to be issued on the lines similar to those of O/H power lines taking into account the Screening Factors due to power telecom cables in computing the induced voltage. However, PTCC Manual is a guidebook prepared by PTCC forum, and not regulations. He cited the Section-160 of the EA-2003 which states that all reasonable precautions in constructing, laying down and placing the electric lines would be taken so as not injuriously to affect, whether by induction or otherwise, the working of any wire or the line used for the purpose of telegraphic, telephone or electric signaling communication, or the currents in such wire or line.

CE, CEA stated that PTCC clearance is a safety requirement. It is for safety of human lives and communication equipment from hazardous inductions effects at telecom circuits due to fault in high voltage power lines in the vicinity. Leaving aside legal provisions, he requested participants to discuss whether **technically** there would be induction effects at telecom cables due to fault in UG power cables. He stated that Manufacturers of Cables have deliberately not called in the first meeting, if the Sub-Committee members feel they would be called in the next meeting.

After detailed discussions, the Sub-Committee observed that the screened power cables are laid outdoors and touch proof, and as such no voltage induction is perceived during normal operations. However, during fault conditions, there may be abysmal voltage induced on the nearby objects. However, going further as the telecom cables are also screened, there may not be voltage induction below the screens of telecom cables. The Sub-Committee felt that instead of going on perception, a study may be carried out by a third party reputed academic and research institute so that extent of voltage induction and its effects on the telecom cables be worked out.

KPTCL informed that they don't receive PTCC cases of 33kV and below level from Discoms. Tata Discom stated that in cities due to high load density and load growth, the number of 11kV and 33kV power cables laid in a year is very high and may be to the tune of 5000 cables in a year in Delhi itself. Also these cables upto 66kV are 3 core cable and resultant current flowing through the cable is zero. With technological advancement, the fault timing is in m.sec.

Keeping into consideration the large volume of 33kV and below UG cables, Tata Power suggested to have provision of self-certification from the concerned power utility, under the Government's resolution of 'Ease of Doing Business'. He informed that CEA has already allowed self-certification in case of safety inspection of a particular category of electrical installations under 'Ease of Doing Business'. All members of the Sub-Committee agreed with suggestion of Tata Discom, with a caveat that views of some more Discoms may also be sought.

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Decisions

After detailed deliberations, following was decided:

- (i) There may be induction in nearby metallic telecom cables running parallel to UG power cables. However, magnitude of effective Induced Voltage would be quite small due to two layered screening posed by both power cable and telecom cable. Detailed study may reveal out the exact status. Tata Power volunteered to explore possibilities to get the study done. It was clarified that funding for the study is to be done by Tata Power, as CLPTCC forum has no such provisions.
- (ii) Self-certification for PTCC clearance of UG power cables of 33kV and below by the concerned power utilities was agreed in principle, however final decisions would be taken after seeking views from some more Discoms.

The meeting ended with vote of thanks to the Chair.



TATA POWER-DDL

Annexure B.2(2)

TPDDL/EQ/21-22

22.09.2021

To,
The Director PTCC,
Central Electricity Authority,
Katwaria Sarai,
New Delhi-110016

Dear Sir,

With is with reference to your letter no. I/15096/2021(1) File no. CEA-PS-17-11(16)/1/2021-PCD Division. It is very clear that 11kV shielded underground cables do not interfere with any adjoining communication network. However as discussed in 110th meeting of CLPTCC committee held on 23.12.2020, we are conducting the study on effect of shielded power cables on shielded telecom cables. We have conducted few simulated tests in our internal laboratory in normal and faulty conditions on 11kV cables and no interference has been observed.

For further detailed study, we have engaged with Electrical Department of Delhi Technological University. Detailed study and experiments are going on various earth fault currents under the guidance of Professor from Electrical Department of DTU.

We shall arrange to submit the detailed findings shortly. The pandemic restrictions had impacted the study and laboratory experiments to some extent.

Yours Sincerely,

HCS Sharma
22/9/21
H. C. Sharma,
Head (Network Engineering & Quality)
TATA Power Delhi Distribution Limited

TATA POWER DELHI DISTRIBUTION LIMITED

(A Tata Power and Delhi Government Joint Venture)

Corporate Office : NDPL House Hudson Lines Kingsway Camp Delhi - 110 009

Website : www.tatapower-ddl.com CIN No. : U40109DL2001PLC111526



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,
The Director (Telecommunication),
Railway Board,
Rail Bhawan, Raisinha Hills,
New Delhi - 110 001

Subject: - Follow-up action on 110th Central Level Power and Telecommunication Coordination Committee (CLPTCC) Meeting – regd.

Sir,

Reference is invited to items B.3 and B.4 of minutes of 110th CLPTCC meeting (enclosed as Annexure-I) held on 23rd December, 2020. The minutes of the meeting were shared with you on 15th March, 2021 over email at dtele@rb.railnet.gov.in

In this regard, you are requested to kindly provide your inputs, at the earliest, on Recommendations under Appendix-XVII to Chapter-1 (pages 167-169) of PTCC Manual 2010 (enclosed as Annexure-II), regarding Type of Block instruments/Signaling devices currently being used in railway telecommunications and their safe limit for induced voltage along with protection measures thereof. This information needs to be updated in draft revision of PTCC Manual, which is under review and will facilitate for faster clearance of PTCC cases by zonal railways.

Encl.: as above

Sincerely,

Signature Not Verified
Digitally signed by RAGHUVENDRA PRATAP SINGH
Date: 2021.04.05 17:47:32 IST
Director, PTCC

- c) Waiving off IV calculation for BSNL telecom cables alone cannot cut down the time taken in PTCC clearance.

Chairman, CLPTCC briefed the Defense and Railway representatives that in 33 kV and below power cables, the protection against IV would be not be required due to the following reasons:

- Lower fault current
- Lesser chances of SLG fault
- Double screening effect
- Better insulation
- Shorter length of such cables
- Absence of auto-reclosing feature

Considering above and GoI resolution for Ease of Doing Business (EoDB), CEA urged Railway and Defense to reconsider waiving off IV calculations 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.

Defense representative replied that the matter will be taken up with the higher authorities. Railway representative requested that a formal proposal may be sent to the Railway Board in this regard. The matter would then be taken up with Signaling Division of Railways.

It was decided that CEA will send a formal proposal regarding waiving off of IV calculations for Defense and Railway telecom circuits in case of 33 kV and below UG power cables. In case there are further reservations, a separate meeting between Defense, Railway, CEA and BSNL will be convened to deliberate on the matter.

(Action: CEA)

B.3. Revision of PTCC Manual – Agenda by CEA

In the 109th CLPTCC meeting, it was brought up by CEA that last revision of PTCC Manual was done in 2010 and since then many decisions by the CLPTCC have been taken. 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 proposed to form a Committee for revising the Manual. All Members of the forum agreed to the proposal. It was decided that CEA would form a Committee with Members from CEA, BSNL, Railway, Defense and Power Utilities.

In the 110th Meeting, CLPTCC forum was informed by CEA that the Committee has been constituted [**Annexure B.3(1)**]. The draft for revised PTCC Manual is being prepared by CEA and the same will be circulated among the Committee Members for comments. CEA also requested Railway to provide inputs on Appendix XVII of Chapter-1 (Pages 167-169) of PTCC Manual 2010 [**Annexure B.3(2)**] which has details of different types of block instruments, so that the same can be updated in revised Manual.

It was decided that Railways will provide inputs on Appendix XVII of Chapter-1 (Pages 167-169) of PTCC Manual 2010 and CEA will share the draft of revised PTCC Manual with Committee Members for deliberations and finalization.

(Action: CEA & Railway)

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

In the 109th CLPTCC meeting, it was brought up by KPTCL that SWR had withdrawn its NOC for 220 kV D/C LILO lines on M/C towers from the existing 220 kV Ghataprabha - Chikkodi D/C line to proposed 220/110 kV S/S at Kabbur (Mugalkhod) on account of absence of guidelines on safe limit of IV for working of Universal Fail Safe Block Instruments and Solid State Proving Axle Counter (SSBPAC) and protective devices to protect them. KPTCL had requested SWR for clarification on safe limit of induced voltage on SWR network for issuing NOC, however, matter was not clarified by the SWR. It was decided that CEA would take up the matter with Railway Board.

CEA had written a letter to Director (Tele), Railway Board [Annexure B.4(1)]. KPTCL informed prior to the 110th meeting that SWR had issued a conditional NOC to KPTCL for the above line. [Annexure B.4(2)].

In the 110th CLPTCC meeting, the Railway representative informed the Committee that the matter has been referred to the Research Designs and Standards Organisation (RDSO) and inputs from various vendors are being taken. CEA added that if Railway provides the information sought in agenda item B.3 above, then issues like agenda item B.4 could be avoided.

It was decided that Railways will provide the exhaustive information sought in agenda item B.3 at the earliest, covering all instruments currently being used in Railway signaling.

(Action: Railways)

B.5. Agenda items from MSETCL

According to action taken submitted by MSETCL on the MoM of 109th CLPTCC, following agenda items remain open:

1. Login credentials for online PTCC portal: In 110th CLPTCC meeting, MSETCL requested BSNL to share the login credentials for PTCC portal to which BSNL has agreed.

2. Provisional PTCC RAC format in line with final PTCC RAC: MSETCL informed that Provisional PTCC RAC issued by BSNL for “220kV D/C line from Shirsuphal to proposed 220 kV Shirsai TSS” is not in accordance with Committee's decision as per MoM of 109th CLPTCC meeting wherein it was decided that provisional RAC shall have same format as final RAC. CEA advised BSNL to instruct its zonal offices to issue provisional RAC in same format as the final RAC.

It was decided that BSNL will provide login credentials to MSETCL and will ensure that provisional RAC is issued in same format as final RAC.

(Action: BSNL)

C. New Agenda

C.1. Agenda Items from BSNL

1. Waiving off of PTCC clearance for armored OFC cable for BSNL: BSNL had sought opinion from CEA on requirement of PTCC clearance for laying of armored OFC cable in BSNL U/G OFC network [Annexure C.1(1)]. CEA had 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(2)]. BSNL requested that PTCC clearance in case of laying of armored

RECOMMENDATIONS

For Protective Measures against Induced Voltages on Different Types of Block Instruments in Use in Indian Railways

1. **Neale's Token Instrument and Neale's Tablet instruments with the characteristics similar to Neale's Token in respect of 3-position Relay and Tock Magnet & Neale's 'D' Type.**

- (a) For induced voltage not exceeding 430 V no special precaution is necessary.
- (b) For induced voltages exceeding 430 V metallic return and appropriate Gas Discharge tubes are to be provided.

2. **Western Railway Type Single Line Tablet Instrument**

This instrument is immune up to 75V AC induced voltages and cannot be used where it is expected to have more than 75 V AC induced voltages.

3. **Carson Double Line Block Instruments.**

Induced AC voltages exceeding 125 V result in unsafe condition and hence cannot be used where induced voltages are likely to exceed 125V.

4. **Siemen's Tokenless Block Instruments.**

This instrument can stand induced AC voltages up to 210 AC r.m.s with the following modification:

- (a) Condenser C2 of the frequency converter card disconnected and
- (b) All the lightning dischargers provided within the instrument must be removed and lightning dischargers having voltage rating not less than 350 V provided externally between each line and earth. This provision of limit of 350 V will also apply to lightning dischargers if any provided by P&T Department on the line.

This instrument is not considered suitable for use in AC electrified section.

5. **SGE Double Line Block Instrument**

As in Sl. No. 1.

6. **Kyosan Tokenless Block Instrument**

Since the induced voltage of the order of 38 V Single Phase AC causes distortion and mutilation of the codes and can cause unsafe condition, this type of block instrument is not considered to be immunized against AC induced voltage beyond 30V.

(Note: Immunity level was modified subsequently vide Railway Board letter No. 90/ Telecom/PTCC/P/1 dated 25.5.1993, given on next page).

7. Diado Double Line Block Instruments.

This block instrument is safe for installation on circuits where AC induced voltage does not exceed 24 V rms

8. Diado Single Line Tokenless Block Instruments

Without modification this instrument can safely stand induction up to 74V 50 cycles AC induced voltages. For induced voltages up to 650V AC the following modification is to be made:

A-3 position polarized relay of the type used in Neale's token or SGE double line block instrument is to be interposed in the line circuit and the existing line relay (NR Relay) fed from local battery through the contacts of polarized relay. Also the line condensers C1 & C2 each of the microfarad capacity with a voltage rating of 160V are to be replaced by condensers of equal capacitance but with a voltage rating of 1000V. Standard gas dischargers will also have to be provided for the lines.

9. Podanur Make Single Line Tokenless Block Instrument (Push Button Type)

This instrument is only suitable for use in non-AC electrified sections. This instrument is safe for use in block circuits subjected to maximum induction 650V r.m.s. 50 cycles AC from neighboring power line provided the existing DC blocking condenser in the telephone circuits is replaced by a one rated for 1000V DC for non AC section only (non AC electrified).

10. Tyres Tablet Token Instrument No. 7

Tests indicate that the instrument is not safe for induced voltages higher than 150V AC

11. Neale's Voucher Block Instrument

This instrument is safe for induced AC voltages up to 430V. This instrument is not suitable beyond 430V.

12. Thcobald Token Instrument

It has been found that the instruments can withstand induced AC voltage up to 430V without any unsafe failure.

13. Syko's Lock and Block Instruments

It is considered that the Syko's lock and block instrument is safe with induced voltage up to 15V only. In view of this low value of the induced voltage, which the instrument can withstand, it is desirable not to use this instrument on sections where any induced voltage may be expected.

14. Rest of the types of single line and double line block instruments are not safe for use in sections having AC induced voltages.

Central Electricity Authority

15. Maximum acceptable limit of induced voltage due to power parallelism is up to 2000V on railway block and communication circuits subject to the specific limitations mentioned above.

The cases of induced voltages above these limits should be treated as re-engineering cases and each such case should be treated separately in consultation with the Railway Board.

II. Copy of Director Telecom (Railway Board) New Delhi Letter No. 90/ Telecom/ PTCC/ P1 dated 25th May 1993.

To

General Manager (S&T)
All India Railways
Director General (Telecom)
RDSO, Lucknow.

Subject: AC Immunity Level of Block Instrument.

Reference: This office letter No. 77/W3/TCM/2/Meeting dated 3rd April 1978.

Railway Board vide above referred letter circulated the AC Immunity levels of various block instruments. Please add the following in the list already circulated vide above referred letter.

Block Instrument : Kyosan Tokenless Push Button.
Immunization Level : 650 V AC with modification similar to Podanur's Tokenless Single line block instrument as mentioned in Item 9 of the above referred letter.

Sd/-

(S.C. Sharma)

Director (Telecom)

Copy to :

1. Director (PTCC), PTCC Directorate, Central Electricity Authority, West Block-2, Wing-1, Ground Floor, RK Puram New Delhi 110066.
2. The Chief General Manager, T&D Circle, Department of Telecommunications, Sanchar Vikas Bhavan, Residency Road, Jabalpur 482001.

With enclosure of Railway Board's letter No. 77/W3/TCM/2/Meeting dated 3.4.1978 (in 4 pages) for information and necessary action.

Sd/-

Director (Telecom)

निरीक्षण एवं गुणवत्ता आश्वासन परिमण्डल
संचार विकास भवन , रेसिडेंसी रोड
जबलपुर - 482 001

INSPECTION AND QA CIRCLE,
SANCHAR VIKAS BHAVAN,
RESIDENCY ROAD, JABALPUR 482 001
Tel : 09425803008
Fax – 0761-2678860



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 2010

No. CGM/QA & Insp /Tech/EI/20-21/Armoured OFC /14

Dated at JBP the 18.05.2020

To,

Director
CEA
New Delhi

Sub: PTCC clearance in case of laying of armoured OFC cable in BSNL U/G OFC network –Regarding.
Ref.: Telephonic discussion with GM (HQ) Jabalpur.

With reference to above subject it is intimated that BSNL is planning for laying of armoured Optical fibre cable in BSNL underground OFC network. While laying, it will be ensured that the cable is properly earthed along the length to avoid any hazards.

It is requested to kindly provide your opinion, whether the PTCC Clearance is required to be taken in case of laying of armoured Optical Cable.

AGM (PTCC) - .

O/o CGM QA & Inspection Circle
Jabalpur



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



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

राष्ट्रीय-3 प्रताप सिंह
(राघवेंद्र प्रताप सिंह) 08.06.2020
निदेशक

Tele : 23019746

Directorate General of Signals
Signals 7
General Staff Branch
Integrated HQ of MoD (Army)
DHQ PO, New Delhi - 110011

B/46937/Sigs 7(b)/

19 Mar 2021

Assistant Director-II
Govt of India, Min of Power
Central Electricity Authority
Power Communication Development Division
NRPC Complex, Katwaria Sarai,
New Delhi-110016

MINUTES OF 110TH CLPTCC MEETING

1. Comments in respect of Ministry of Defence regarding 110th CLPTCC Meeting is mentioned in the succeeding paras:-

(a) **Para B.2 PTCC Approval for power cables.** No such formal case has been received from CEA for waiving off Induced Voltage in case of 33kV and below UG power cable. Also, proposal for meeting between Defence, Railway, CEA and BSNL has not been received by this office. It is recommended that CEA to take responsibility of protection of Defence Communication cable in case the Induced Voltage calculation for 33KV and below UG power cable is agreed to for waiving off.

(b) **Para C.3(2) Non Submission of Telecommunication Details from Defence.** To expedite the issue of NOC, cases are being forwarded to Commands on the day of receipt and time frame of 30 days is being given to Commands to forward reply thereby reducing the time involved in issuance of NOC.

(c) **Para D.2 Details of Nodal Officers of Defence for Disposal of PTCC cases at Nodal Level**

(i) During 106th PTCC mtg, Defence has informed about impl of project NFS and confirmed that on completion of the project details of seven Zonal regions alongwith nodal officer for each Zone will be shared with CEA for seeking NOC directly from respective Zones. However, the present procedure in vogue must be followed ie a Centralised Agency and not separate agencies.

(ii) Contact details of Centralised Agency, DG Sigs, Signal 7 is as Tele No. 011-23019746, e-mail webstar@nic.in.



(A Rawat)
Lt Col
GSO 1 (Comn)
for SO-in-C



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

Subject: PTCC proposal for 132 kV DC line from existing 132 kV Kavathemahankal to proposed 132 kV Salgare TSS of CR – regd.

This office is in receipt of MSETCL letter no. MSETCL/CO/PS/PTCC/Railways/SF/ No. 04298 dated 10.06.2022. In their letter, MSETCL has informed that Induced Voltage on Central Railway telecom circuits due to subject transmission line, that has been calculated by them *without considering screening factor*, is falling in the range of 1900 V. Office of Principal Chief Signal and Telecom Engineer, Central Railway has denied NOC, citing reason that this voltage range is very much higher than the prescribed safe limits as per PTCC Manual and has asked MSETCL to divert the line. MSETCL has sought CEA advice in the matter.

In this regard, following is submitted:

- As per PTCC norms, applicable screening factor should be considered while calculating IV on telecom circuits for protection/NOC.
- TC1 (Telecom Cables) Manual issued by IRISSET recommends that cables to be laid along the tracks should have aluminium sheath and steel tape armouring so as to have a screening factor of less than 0.1 in the anticipated range of magnetic field intensity (copy enclosed). CEA also considers screening factor of 0.1 for calculating IV on Railway telecom circuits.

In view of the above, it is advised that above screening factor should be considered for obtaining final IV values for the purpose of taking necessary protection/issuing NOC for this case. In case there is deviation in screening factor, then Central Railway is requested to inform the type and size of telecom cable and its corresponding screening factor. An early confirmation in the matter is solicited from Central Railways so as to avoid delay in charging of the line.

Encl.: As above.

राज्यवेन्दु प्रताप सिंह
Director 16.06.2022

To,
Deputy Chief Signal & Telecom Engineer, Central Railway, 3rd Floor, Annex Building,
CSMT, Mumbai – 400001

Copy to:-

Superintending Engineer (Project Schemes), MSETCL, C.O., 'Prakashganga', P. No. C19, #E, BKC, Bandra (East), Mumbai – 400051 (with a request to consider the appropriate screening factor while arriving at final IV so that no further calculation by telecom authority is required)



75
आजादी का
अमृत महोत्सव

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

विषय: मौजूदा 132 के.वी कवथेमहंकल से सी.आर के प्रस्तावित 132 के.वी सालगारे टीएसएस तक
132 के.वी डीसी लाइन के लिए पीटीसीसी का प्रस्ताव के सम्बंध में

इस कार्यालय को एमएसईटीसीएल से पत्र संख्या एमएसईटीसीएल/सीओ/पीएस/पीटीसीसी/रेलवे/एसएफ/सं. 04298 दिनांकित 10.06.2022 प्राप्त हुआ है। एमएसईटीसीएल ने अपने पत्र में सूचित किया है उनके द्वारा विषयांकित ट्रांसमिशन लाइन के कारण सेंट्रल रेलवे टेलीकॉम सर्किट पर प्रेरण वोल्टेज (IV) की गणना स्क्रीनिंग फैक्टर लिए बिना ही कर दिया गया है जो कि 1900 वोल्ट की रेंज में आ रही है। प्रधान मुख्य सिग्नल एवं दूरसंचार अभियंता, मध्य रेलवे के कार्यालय ने अनापत्ति प्रमाण देने से मना कर दिया है क्योंकि प्रेरण वोल्टेज सुरक्षित सीमा से ज्यादा है और एमएसईटीसीएल को लाइन डायवर्ट करने का निर्देश दिया है। एमएसईटीसीएल ने इस मामले में के.वि.प्रा. से सलाह मांगी है।

इस संबंध में, निम्न प्रस्तुतीकरण है

- पीटीसीसी मानदंडों के अनुसार, सुरक्षा/एनओसी के लिए दूरसंचार सर्किटों पर IV की गणना करते समय उपयुक्त स्क्रीनिंग फैक्टर को लिया जाना आवश्यक है।
- इरिसेट द्वारा जारी टीसी। (टेलीकॉम केबल्स) मैनुअल के अनुसार पटरियों के किनारे बिछाई जाने वाली केबलों में एल्युमिनियम शीथ और स्टील टेप आर्मरिंग होनी चाहिए जिससे अनुमानित चुंबकीय क्षेत्र की तीव्रता में स्क्रीनिंग फैक्टर 0.1 से कम हो (अनुलग्नक)। केविप्रा भी रेलवे टेलीकॉम सर्किट पर IV की गणना के लिए स्क्रीनिंग फैक्टर का मान 0.1 लेता है।

उपरोक्त को ध्यान में रखते हुए, यह सलाह दी जाती है कि इस मामले में आवश्यक सुरक्षा/एनओसी जारी करने के उद्देश्य से अंतिम IV मान प्राप्त करने के लिए उपरोक्त स्क्रीनिंग फैक्टर लेना चाहिए। यदि उपरोक्त स्क्रीनिंग फैक्टर 0.1 से भिन्न स्क्रीनिंग फैक्टर है, तो मध्य रेलवे से यह अनुरोध है कि दूरसंचार केबल के प्रकार एवं आकार और उस पर लागू होने वाले स्क्रीनिंग फैक्टर की सूचना दी जाए। मध्य रेलवे से मामले की शीघ्र पुष्टि की मांग की जाती है ताकि लाइन को चार्ज करने में देरी से बचा जा सके।

संलग्नक: संलग्न है।

निदेशक
16.06.2022

सेवा में,

उप मुख्य सिग्नल और दूरसंचार इंजीनियर, मध्य रेलवे, तीसरी मंजिल, एनेक्स बिल्डिंग, सीएसएमटी,
मुंबई - 400001

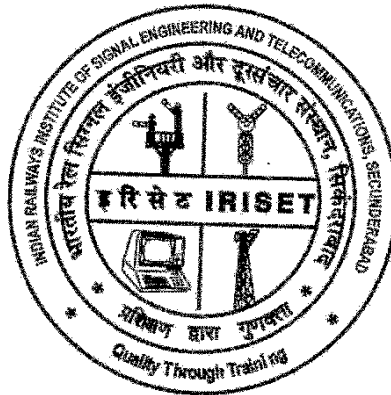
प्रतिलिपि:-

अधीक्षण अभियंता (परियोजना स्कीम), एमएसईटीसीएल, सीओ, 'प्रकाशगंगा', पी. संख्या सी19, #ई, बीकेसी, बांद्रा (पूर्व), मुंबई - 400051 (अनुरोध के साथ कि IV की गणना उपयुक्त स्क्रीनिंग फैक्टर लगा कर ही जारी करे ताकि टेलिकॉम प्राधिकरण द्वारा आगे किसी गणना की आवश्यकता न पड़े)

TC 1

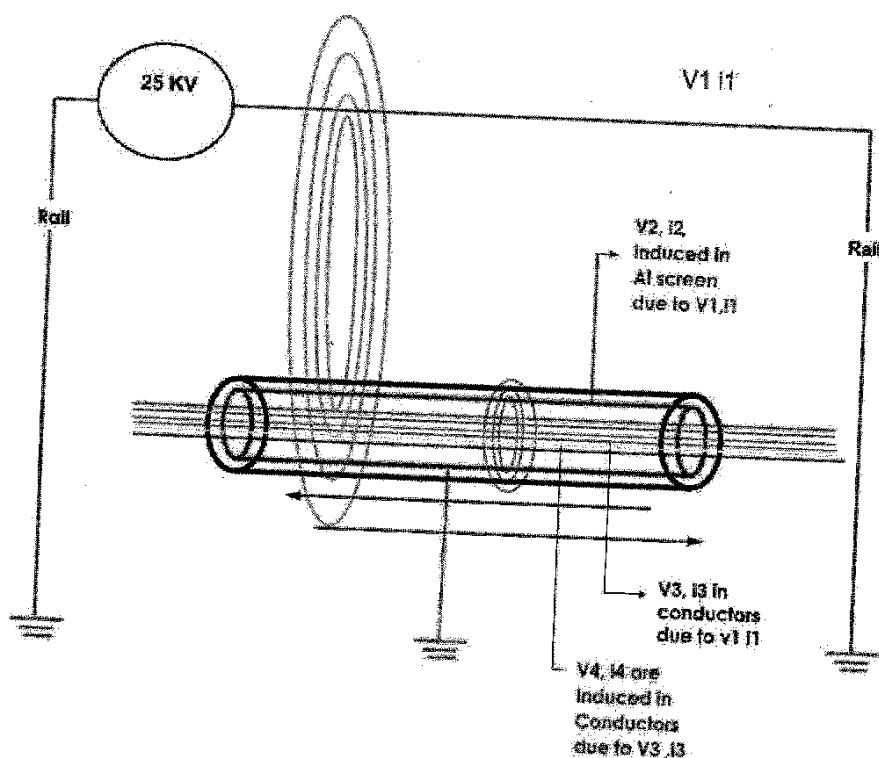
TELECOM CABLES (COPPER)

The Material Presented in this IRISSET Notes is for guidance only. It does not over rule or alter any of the Provisions contained in Manuals or Railway Board's directives



INDIAN RAILWAY INSTITUTE OF
SIGNAL ENGINEERING & TELECOMMUNICATION,
SECUNDERABAD - 500007

April 2020



Induced Voltage in Cable conductors

4.4 I.T.U.-T. Recommendations

- Recommendations on permissible voltages, calculating method and protective measures have been issued by the **I.T.U.-T**.
- Accordingly the following voltages may not be exceeded in the circuit formed by cable conductors and ground.
 - a) As regards electrostatic induction, the critical figure recommended by the **I.T.U.-T** is 15 mille amperes current.
 - b) When a person is in contact with both the earth and with the conductor of a telecommunication line. During the normal functioning of the power line, or electric traction system, the longitudinally induced voltage in the telecommunication circuits should not exceed 60V.
 - c) During the abnormal functioning of the traction power line, the longitudinal induced voltage shall not exceed more than 150 Volts.
 - d) During traction power line short circuit condition, the induced should not exceed more than 430V rms.
 - e) As regards interference to speech transmission, the psophometric voltage in the communication circuits should not exceed 2mV.
- By the way of sectionalising all the communication circuits to break the metallic continuity of the conductors to prevent cumulative build up of induced voltages with the introduction of isolating transformers at every 17 Km on long distance communication networks and adoption of special maintenance precautions.
- The cables to be laid along the tracks should have aluminium sheath and steel tape armouring so as to have a screening factor of less than 0.1 in the anticipated range of magnetic field intensity.

Annexure D.1

The agenda points pertaining to KSEBL for 111th CLPTCC Meeting

Sl.No	Name of the proposal	Ref .No	Status	CEA's Remark
1	Trangrid Quilon Lines and substation Package.(Construction of 6.5km, 220/110kV MCMV line from East Kallada to Sasthankotta by LILO-ing Existing Kayamkulam-Kundara 220kV line (KY-KD) from East Kallada (Loc 65 & 66).	SKL. 2912	Uploaded in PTCC portal on 30.04.2020. NOC from DGS obtained on 6/4/2021. Required details like EPR send. Reminder to Chennai and CEA sent on 8.2.2021. RAC not obtained.	Requested to forward Defense letter to CEA.
2	Construction/Upgradation of existing 66 kV line to 220/110 kV line as MCMV from Edappon 220 kV substation to proposed 220 kV Pathanamthitta Sub station via proposed 110 kV Sub Station Adoor.	SKL. 2449	Uploaded in PTCC portal on 14.05.2019. NOC from Signals obtained on 9.8.2019. NOC from Railway obtained on 13.05.2019. Reminder letter sent on 15.2.2021. RAC not obtained.	BSNL details awaited.
3	Sabarilines and substation Package. Proposed 220kV DC Line from Padom to Koodal (loc.59)-8.2km and 220/110kV line as MCMV from Koodal(loc.No.59) to 220kV Pathanamthitta substation via 110kV substation Koodal (17.92km) along the existing right of way of 66kV line.	SKL. 2915	Uploaded in PTCC portal on 20.09.2019. Railway NOC received on 4.9.2019. NOC from DGS obtained on 28.11.2019. Reminder Letter send to BSNL on 4.2.2021 with copy to CEA. RAC not obtained.	BSNL details awaited.
4	Construction of 220kV DC line from 400kV PGCIL Pallikkara Substation to proposed 220kV Substation , Aluva	SKL. 2082	Uploaded in PTCC portal on 12.04.2018. RAC not received. NOC from Signals obtained on 2.6.2021.	Railway details pending.
5	Upgradation of 110kV DC line from Poringal to Chalakudy to 220/110kV MCMV line from Konnakuzhy-Chalakudy in Trissur district.	SKL. 3172	Uploaded in PTCC Portal on 23.09.2020. NOC from signals obtained on 06.04.2021. RAC not	Defense details not received in CEA.

			received.		Provisional issued. To be processed for final RAC.
6	Construction of 400kV DC Line from 400KV Substation Madakkathara to Arecode Substation	SKL.2632	Uploaded in PTCC portal on 03.11.20. Provisional RAC issued. Extension requested the CE Transgrid to Director, CEA. NOC from Signals obtained on 25.02.2021 and Railway on 08.02.2021. RAC not received.		
7	Construction of 220kV DC line from new HVDC Substation , Madakkathara to Nallalam Substation via Malaparamba Substation.	SKL. 2631	Uploaded in PTCC portal on 03.11.20. Provisional RAC issued. NOC from Signals obtained on 25.02.2021 and Railway on 08.02.2021. Extension requested the CE Transgrid to Director, CEA. RAC not received.		Provisional issued. To be processed for final RAC.
8	220kV Thottiyar Power Evacuation Line		Uploaded in PTCC portal on 7.6.2021. Railway NOC obtained on 08.06.2021 and NOC from Signals obtained on 19.07.2021. RAC not obtained.		BSNL details awaited.
9	Transgrid 2.0-Thrissivaperur lines Strengthening Package Phase I-Construction of 220/110kV MCMV feeder from Wadakanchery to Kunnamangalam on Turnkey basis	Req No. 107417	Uploaded in PTCC portal on 04.02.2022.		BSNL details awaited
10	Transgrid 2.0-NMMLP A-Construction of 220/110kV MCMV overhead transmission line from Kanhirode to Thalassery via Mundayad	Req No. 107418	Uploaded in PTCC portal on 04.02.2022.		BSNL details awaited. Defense has not accorded NOC.
11	Transgrid 2.0-TLSP II -Construction of 220/110kV MCMV line from 220Kv gis substation, Kunnamkulam to proposed 220kV GIS Substation, Vengallur	Req No. 107383	Uploaded in PTCC portal on 15.01.2022.		BSNL details awaited
12	Transgrid 2.0-NSIP IB -Construction of	Req No.	Uploaded in PTCC portal on		BSNL details awaited

	220/110kV MCMV feeder from Irinjalakkuda to Kodungallur in Thrissur District on Turnkey basis.	107315	28.01.2022.	
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AGENDA FROM KPTCL

A. Pending at CEA New Delhi

Sl No	Case No	Name of Power line	Status	Status in CEA/PTCC/SLDC	CEA's remark
1	F-2937/SKT-2513	Proposal for regularisation of existing 220KV DC line from 220/66KV SS at Somanahalli to the existing 220/66KV SS at T.K.Halli in Bengaluru North Taluk & Bengaluru Urban District.	Proposal forwarded on 10/07/2019, MoD NOC 05.09.2019 SWRly NOC on 13/08/2019 BSNL TD forwarded to CEA on 07/07/2021	IV Comments to be issued.	Under processing IV issued on 24.06.22
2	F-3018/SKT-2689	Proposed for construction of 220KV Double LILO line from existing 220KV EPIP-HSR Lay Out DC line [Hoody-Somanahalli to HSR by LILO Line] to proposed 220/66KV Shobha Dreams GIS Sub Station in Gunjur Palya Village, Varthur Hobli, Sarjapura Taluk ,Bengaluru.	Proposal forwarded along with EPR details on 14/01/2020, MoD NOC On 02.03.2020. SWRly TD communicated to CEA New Delhi on 04/03/2020, BSNL TD communicated to CEA New Delhi on 24/02/2021. (Ltr addressed to CEA to release IV comments on 08/03/2021)	IV Comments to be issued.	Railway without topo map
3	F-3086/SKT-2805	Proposed 220KV LILO line on MC Towers on the existing 220KV Shiralakoppa-Ranebennur LILO line corridor from existing 220KV Haveri-Guttur DC line [Ckt-II] to the existing 220/110/33/11KV RS at Ranebennur in Ranebennur Taluk Haveri District.	Proposal processed on 21/08/2020, MoD NOC on 26/10/2020. SWRly TD forwarded to CEA on 19/11/2020, BSNL TD forwarded to CEA on 10/12/2021,	IV Comments to be issued.	IV issued on 04.05.2022
4	F-3126/SKT-2890	Proposed 220KV D/C LILO line on MC Towers from the existing 220KV Basthipura - Kushalanagar D/C Line to the proposed 220/66/11KV RS at Thammadahalli in Hunsur Taluk Mysuru District.	Proposal processed along with EPR parameters on 04/01/2021, Communicated on 07/01/2020, MoD NOC on 25/02/2021 SWRly NOC 12/03/2021, BSNL TD forwarded to CEA on 03/10/2021	IV Comments to be issued.	Under processing

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5	F-3129/SKT-2891	Proposed 220KV DC line on DC towers from the existing 220/110/33/11KV SS at Kustagi to the proposed 220/110/11KV SS at Yelburga in Yelburga Taluk Koppal District.	Proposal along with EPR details forwarded on 07/01/2021, Communicated on 11/01/2021, MoD NOC on 25/02/2021 SWRIy NOC on 07.04.2021. BSNL TD communicated on 14/12/2021	IV Comments to be issued.	Under processing
6	F-3195/SKT-3271	Proposal for construction of proposed 220KV DC Line on DC Towers with Drake conductor from proposed 220/11KV Ganagapura[Nimbarga] [Under Construction] SS in Afzalpura Taluk Kalaburagi District to the proposed 220/11KV Sindagi [Aheri] [Under Construction] SS in Sindagi Taluk Vijayapura District.	Proposal processed on 20/05/2021, Communicated on 20/05/2021, MoD NOC on 30/06/2021 SWRIy NOC on 03/08/2021, Crly TD forwarded to CEA on 08/04/2022 BSNL TD forwarded to CEA New Delhi on 04/10/2021	IV Comments to be issued.	Railway without topo map
7	F-3233/SKT-3505	PTCC proposal for construction of 220KV Double LULO line on MC Towers from existing 220KV Kudagi - Vajaramatti DC line to proposed 220/110KV Bilagi SS in Bilagi Taluk and Bagalkot District.	Proposal processed along with EPR details on 27/08/2021, Communicated on 27/08/2021, MoD NOC 18/10/2021 SWRIy NOC on 29/09/2021 BSNL TD (Vijayapura) Communicated to CEA on 10/11/2021,	IV Comments to be issued.	Under processing
8	F-3309/SKT-3795	PTCC proposal for construction of 220KV DC line from proposed 400/220KV Hadagali Sub Station to the existing 220/110/11KV Sub Station at Indi, in Indi Taluk, Vijayapura District.	Proposal processed along with EPR details on 23/12/2021, Communicated on 27/12/2021 MoD NOC on 17/02/2022 SWRIy TD forwarded to CEA on 21/01/2022 BSNL TD f forwarded to CEA on 05/04/2022	IV Comments to be issued.	Under processing

B. Pending at South Western Railway for Completion Report for railway network protection

Sl No	Case No	Name of Power line	Status	Status in SWRLY
1	F-2203/KNK-814	Proposed conversion of existing 220KV Gowribidanur-D.B.Pura SC line to DC line (in the existing corridor) in B'lore District.	Proposal sent on 28/03/2014 MoD NOC on 01/03/2016 SWRLY NOC awaited BSNL Telecom Details forwarded to CEA on 12/11/2014. SEE TRW AR circle made payment of Rs 5,85,750.85/- vide Cheque No 632329 Dt 08/03/2021. Towards protection to railway network.	Completion Report & SWRLY NOC awaited

C. Pending at BSNL for demand note for GD Tube protection

Sl No	Case No	Name of Power line	Status	Status in BSNL
1	F-2829/SKT-2354	Proposed for regularisation of existing 220KV Nelamangala-Peenya 1&2DC line and 3&4 DC Line between 400/220 KV SS at Nelamangala and 220/66/11KV SS at Peenya in Bangalore	Proposal sent on 03/01/2019. MoD NOC on 02/04/2019 SWRLY NOC on 11/04/2019 Based on CEA IV comments and as per the guid lines of Jabalpur, GD Tube protection is required Demand note for GD tube protection awaited.	BSNL BGTD B'lore

D. Pending at BSNL

Sl No	Case No	Name of Power line	Status	Status in BSNL
1	F-3079/SKT-2794	Proposal for partially shifting and rerouting of existing 220KV Narendra-Haveri and Narendra-Bidhal lines on MC and Dc Towers [on MC Towers from Narendra SS to Location No.16, and DC Towers from Location No.16 to Location No.8] at IIT Dharwad Campus in Chikkamalligawad Village in Dharwad Taluk and District.	Proposal forwarded on 12/08/2020, MoD NOC on 26/10/2020 SWRLY TD forwarded to CEA on 19/10/2020. BSNL Telecom Details awaited.	BSNL Telecom Details from Hubballi to be issued.
2	F-3080/SKT-2795	Proposal for partially shifting and rerouting of existing 220KV Narendra-Ambewadi DC lines on MC and DC Towers [on MC Towers from Narendra SS to Location No.16, and DC Towers from Location No.16 to Location No.168] at IIT Dharwad Campus in Chikkamalligawad Village in Dharwad Taluk and District.	Proposal forwarded on 12/08/2020, MoD NOC on 26/10/2020 SWRLY Telecom Details forwarded to CEA on 19/10/2020 BSNL Telecom Details are awaited.	BSNL Telecom Details from Hubballi to be issued.
3	F-3095/SKT-2824	Proposed 220KV 1200SQ mm single core Single circuit UG Cable from existing 220/66KV Hoody station to the proposed 220/66KV	Proposal forwarded on 14/01/2020, MoD NOC on 29/12/2020	BSNL Telecom Details from BGTD to be issued.

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		Hagaduru SS K.R puram Hobli Bangalore south Taluk Bangaluru District.	SWRly TD forwarded to CEA on 26/11/2020 STR NOC on 29/04/2022 BSNL Telecom Details is awaiting	
4	F-3101/SKT-2830	Proposed 220KV 1200 Sqmm S/C U G Cable from proposed [Under construction] 220KV Cessna Business Park[EXORAJ]Sub Station to proposed 220/66KV Hagaduru Sub Station at K R Puram Hobli, Bengaluru South Taluk, Bengaluru.	Proposal forwarded on 09/10/2020, MoD NOC on 29/12/2020, SWRly TD communicated to CEA on 26/11/2020 STR NOC on 16/12/2020 BSNL Telecom Details awaited,	BSNL Telecom Details from BGTD to be issued.
5	F-3113/SKT-2843	Proposed 220KV DC line on MC Towers from existing 220/66KV SS at Puttenahalli [D.G.Plant] to proposed 220/66KV GIS Station at Sahakaranagar in Bengaluru Urban District.	Proposal forwarded on 12/11/2020 MoD NOC on 29/12/2020, SWRly TD forwarded to CEA New Delhi on 17/02/2021, BSNL Telecom Details awaited,	BSNL Telecom Details from BGTD to be issued.
6	F-3115/SKT-2844	Proposed 220KV DC line on partially MC & DC Towers and partially UGCable [DC line on MC towers from 400KV Ssat Nelamangala to the T.No.57 to T.No.1(New) & T.No.1(New) UG Cable between T.No.57 to T.No.1(New) and DC line from MC.T.No.1(New) to proposed 220KV GIS Station at Sahakaranagar] from existing 400/220 KV SS at Nelamangala to the proposed 220/66KV GIS Station at Sahakaranagar in Bengaluru Urban District.	Proposal forwarded on 17/11/2020 STR clearance on 16/12/2020, MoD NOC on 29/12/2020, SWRly TD forwarded to CEA New Delhi on 17/02/2021, BSNL Telecom Details awaited,	BSNL Telecom Details from BGTD to be issued.
7	F-3128/SKT-2902	Proposed 220KV LILO line from existing 220KV Somanahalli - T.K.Halli DC line [Ckt-2] to the proposed 220/66KV Harohalli KIADB Ph-3 Sub Station at KIADB industrial area at Yadavanahalli Village Kanakapura Taluk Ramanagara District on self-execution bases by M/s KIADB.	Proposal forwarded on 07/10/2021 MoD NOC on 25/02/2021 SWRly NOC 31/05/2021, BSNL Telecom Details awaited	BSNL Telecom Details from BGTD to be issued.
8	F-3140/SKT-2922	Proposal for construction of proposed 220KV DC LILO line on MC towers from existing 400/220KV Hiriyur (PGCIL)-Gowribidanur DC line to the proposed 220/66/11KV RS at P.D Kote (Hosakere) in Hiriyur Taluk Chitradurga District.	Proposal forwarded on 07/10/2021 MoD NOC on 06/04/2021, SWRly NOC 12/03/2021, BSNL Telecom Details awaited	BSNL Telecom Details from Davanagere to be issued.
9	F-3148/SKT-3177	Proposed 220KV DC line on DC Towers from existing 220/66 KV SS at Chintamani to the proposed 220/66KV at Srinivasapura in Srinivasapura Taluk Kolar District.	Proposal forwarded on 04/02/2021 MoD NOC 28/05/2021, SWRly TD forwarded to CEA on 26/04/2021, BSNL Telecom Details awaited	BSNL Telecom Details from Kolar to be issued.
10	F-3161/SKT-2959	Proposed 220KV S/C 1200 Sqmm U G Cable from proposed 220/66 KV Sahakaranagar GIS to the proposed 220/66KV Mathikere GIS near existing 66/11 KV Mathikere Sub Station in Bengaluru Taluk and District.	Proposal forwarded on 19/02/2021 MoD NOC on 06/04/2021 SWRly TD forwarded to CEA New Delhi on 28/07/2021 BSNL Telecom Details awaited, STR NOC on 22/03/2021	BSNL Telecom Details from BGTD to be issued.

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11	F-3166/SKT-2995	PTCC proposal for Construction of Proposed 220kV SC line on partially MC/DC/SC Towers and Partially UG Cable [SC line on MC towers from 400KV SS @ Nelamangala to T.No.57, on DC Towers from T.No.1(New) to T.No.17 & T.No.23 to T.No.38, on SC Towers from T.No. 17 to T.No.23 & UG Cable between T.No.57 to T.No.1(New), and UG Cable from T.No.38 to Proposed SS @ GIS NRS] from existing 400/220KV Receiving Station at Nelamangala to Proposed 220/66KV GIS Station at NRS, Rajajinagar, in Bangalore Urban District.	Proposal forwarded on 04/03/2021 MoD NOC on 13/04/2021. SWRlyTD forwarded to CEA on 26/04/2021 BSNL Telecom Details awaited, STR NOC on 22/03/2021	BSNL Telecom Details from BGTD to be issued.
12	F-3182/SKT-3211	Proposed for construction of proposed 220KV Tap line [2 spans] from existing 220KV Tannirbhavi Kavoore DC line [TK-2] to proposed 220KV Metering bay of 30MLD Desalination Plant of M/s MRPL at Tannirbhavi in Mangalore District .	Proposal forwarded on 07/04/2021 MoD NOC on 02/06/2021 SWRly no line exist Konkan Rly TD awaited SRly TD is forwarded to CEA on 16/04/2021 BSNL Telecom Details awaited	BSNL Telecom Details from Mangalore to be issued.
13	F-3225/SKT-3459	PTCC proposal for conversion of existing 220KV SC line on SC Tower by DC line on DC towers from existing 220/66KV Hiriuru SS in Hiriuru taluk, Chitradurga District to existing 220/66KV Madhugiri SS in Madhugiri Taluk, Tumkur District.	Proposal forwarded on 29/07/2021 MoD NOC on 09/09/2021 SWRly NOC on 19/10/2021 BSNL TD awaited	BSNL Telecom Details from Chitradurga & Tumkur & Andrapradesh to be issued.
14	F-3226/SKT-3459	PTCC proposal for construction of 220KV DC line on DC towers from existing 400/220KV GIS at Hiremalanahole (Jagalur Taluk) to the proposed 220/66 KV SS at Hanagal in Molakalmur Taluk in Chitradurga District.	Proposal forwarded on 07/08/2021 MoD NOC 30/09/2021 . SWRly TD awaited , BSNL TD awaited	BSNL Telecom Details from C durga & Ballari to be issued.
15	F-3232/SKT-3527	PTCC proposal for construction of 2nd circuit on DC Towers from existing 220/110KV Bidnal SS to existing 220/11KV Mahalingapura (On existing corridor of 220KV Mahalingapura - Soundatti L ILO - Bidnal SC line) in Dharwad, Belagavi and Bagalkot District.	Proposal forwarded on 27/08/2021 MoD NOC on 21/10/2021 SWRly TD is forwarded to CEA on 30/09/2021 BSNL TD awaited	BSNL Telecom Details from Hubli, Belagavi & Vijayapura to be issued.
16	F-3235/SKT-3528	PTCC proposal for construction of 220KV SC line on MC Towers from existing 400/220KV RS at Nelamangala to the existing 220/66/11KV RS at Brindavan in Bengaluru Urban District.	Proposal forwarded on 26/08/2021 MoD NOC on 21/10/2021 SWRly IV coment is forwarded to CEA on 01/10/2021 BSNL TD awaited.	BSNL Telecom Details from BGTD to be issued
17	F-3266/SKT-3651	PTCC proposal for construction of proposed 220KV L ILO line on MC Towers from existing 220KV Shivamogga-Shantigrama DC (M1) Line to the proposed 220/110/66KV RS at Dudda in Hassan Taluk & District.	Proposal forwarded on 30/10/2021 MoD NOC on 24/12/2021 SWRly TD forwarded to CEA on 22/12/2021 BSNL TD awaited	BSNL Telecom Details from Hassan to be issued
18	F-3269/SKT-3710	PTCC proposal for construction of 400KV L ILO line on MC towers from existing 400KV Dharmapuri - Somanahalli DC Quad transmission line (PGCIL) to the existing 400/220KV RS at	Proposal forwarded on 08/11/2021 MoD NOC on 28/01/2022. SWRly NOC awaited, (Rly line does not exist)	BSNL Telecom Details from BGTD to be issued

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		Myasandra by partially using the existing 400KV Somanahalli - Kolar (PGCIL) SC line corridor (in b/w T.No 632 to T. No 605) in Bengaluru south Taluk and Bengaluru Urban District.	BSNL TD awaited,		BSNL Telecom Details from BGTD to be issued
19	F-3273/SKT-3662	PTCC Proposal for Construction of 400KV SC Quad Moose Transmission line from existing 400/220KV RS at Mylasandra to the proposed 400/220KV RS at Dommasandra by Partially using the existing 400KV Somanahalli-Kolar (PGCIL) SC line Corridor (in BW T.No.605 To T.No.563) In Anekal Taluk & Bengaluru Urban District.	Proposal forwarded on 16/11/2021 MoD NOC on 28/01/2022, SWRly TD awaited, BSNL TD awaited,		BSNL Telecom Details from BGTD to be issued
20	F-3275/SKT-3664	PTCC Proposal for construction of 400KV DC line with Quad moose Conductor from existing 400/220KV Doni SS in Mundaragi Taluk, Gadag District to the proposed 400/220KV Kushtagi SS in Kushtagi Taluk, Koppal District.	Proposal forwarded on 16/11/2021 MoD NOC on 10/01/2022 SWRly TD forwarded to CEA on 08/12/2021 BSNL TD awaited		BSNL Telecom Details from Hubballi & Raichur to be issued
21	F-3277/SKT-3666	PTCC proposal for Construction of 220kV SC line, 1200Sqmm UG Cable from Proposed 220/66KV NRS GIS (under progress) to the proposed 220/66KV Mattikere GIS (under progress) near 66/11KV Mattikere Sub Station in Mattikere in in Bangalore Taluk & District.	Proposal forwarded on 16/11/2021 MoD NOC on 02/02/2022, STR NOC on 27/11/2021 SWRly TD awaited, BSNL TD awaited,		BSNL Telecom Details from BGTD to be issued
22	F-3284/SKT-3693	PTCC proposal for construction of 400KV LILO line on MC towers from existing 400KV Mylasandra - Kolar SC Twin Moose line to the proposed 400/220KV RS at Dommasandra (LILO B/w T.No 563 & T.No. 562) in Anekal Taluk and Bengaluru Urban District.	Proposal forwarded on 20/11/2021 MoD NOC on 28/01/2022, SWRly TD awaited, BSNL TD awaited,		BSNL Telecom Details from BGTD to be issued
23	F-3303/SKT-3756	PTCC proposal for construction of 400KV DC line with Quad moose Conductor from proposed 400/220KV RS at Hadagali in Vijayapura Taluk and District to the proposed 400/220KV Kushtagi SS in Kushtagi Taluk, Koppal District.	Proposal forwarded on 18/12/2021 MoD NOC on 27/01/2022 SWRly NOC on 30/12/2021 BSNL TD awaited		BSNL Telecom Details from Hubballi & Raichur to be issued
24	F-3307/SKT-3793	PTCC proposal for construction of 220/220KV MC line to LIL Oing of existing 220KV Lingasugur-Basavana Bagewadi DC line to the proposed 400/220KV Hadagali SS in Vijayapura District.	Proposal forwarded on 23/12/2021 MoD NOC on 17/02/2022 SWRly NOC on 20/01/2022 BSNL TD awaited		BSNL Telecom Details from Vijayapura to be issued
25	F-3308/SKT-3794	PTCC proposal for construction of proposed 220KV MC line to LILO of existing 220KV Basavana Bagewadi-Vijayapura DC line near Nandhyal 220KV Switching Station to the proposed 400/220KV Hadagali Sub Station in Vijayapura District.	Proposal forwarded on 23/12/2021 MoD NOC on 17/02/2022 SWRly NOC on 20/01/2022 BSNL TD awaited		BSNL Telecom Details from Vijayapura to be issued
26	F-3321/SKT-3813	PTCC Proposal for construction of 220KV, 1200sqmm UG cable route double LILO from existing 220KV Somanahalli-Malur DC line to the proposed 400/220KV Dommasandra GIS sub-station, Dommasandra village, Sarjapura Hobli, Anekal Taluk, Bengaluru Urban District.	Proposal forwarded on 05/01/2022 MoD NOC on 06/04/2022 SWRly TD awaited, BSNL TD awaited, STR NOC awaited		BSNL Telecom Details from BGTD to be issued
27	F-3322/SKT-3814	PTCC Proposal for Construction of proposed 220KV, 1200Sqmm LILO UG cable from existing 220KV Somanahalli-HSR Layout DC line to proposed 220/66KV Keonic city GIS sub-station, Electronic city, Ph-I, Bangalore South taluk, Bangalore.	Proposal forwarded on 05/01/2022 MoD NOC awaited, SWRly TD awaited, BSNL TD awaited, STR NOC on 18/01/2022		BSNL Telecom Details from BGTD to be issued

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28	F-3324/SKT-3808	PTCC Proposal for Construction of 400KV DC Quad Moose Line on DC Towers from proposal 400/220KV Pooling Station at Kalaburagi (Under Construction) SS near Firozabad Village in Kalaburagi Taluk and District to proposed 400/220KV Hadagali SS in Vijayapur Taluk and District.	Proposal forwarded on 13/01/2022 MoD NOC on 06/04/2022 SWRiy NOC on 14/03/2022 BSNL TD awaited	BSNL Telecom Details from Bijapura & Gulburga to be issued
29	F-3338/SKT-3832	PTCC Proposal for Construction of 220KV DC line on DC Towers from Existing 220KV Switching Station at Lingapura In Koppal Taluk and District to the existing 220/66KV SS at Neelagunda in Harapanahalli Taluk and Ballari District.	Proposal forwarded on 31/01/2021 MoD NOC on 06/04/2022 SWRiy TD awaited. BSNL TD awaited	BSNL Telecom Details from Raichur & Bellary to be issued
30	F-3340/SKT-3849	PTCC Proposal for the proposed 220KV 1200sq.mm LILO U.G Cable from proposed 220KV Mylasandra-Yaranadahalli DC line to proposed 220/66KV Keonics City GIS sub-station, Electronic city phase-1, Bangalore south taluk, Bangalore.	Proposal forwarded on 06/04/2022 MoD NOC on 06/04/2022 SWRiy TD awaited, BSNL TD awaited, STR NOC on 07/04/2022	BSNL Telecom Details from BGTD to be issued
31	F-3341/SKT-3833	PTCC proposal for construction of 220KV 2nd Circuit LILO line from proposed Bidhal-Mahalingapura 220KV 2nd circuit line to the existing 220/110/11KV SS at Soundatti in Soundatti Taluk, Belagavi District.	Proposal forwarded on 10/02/2022 MoD NOC on 06/04/2022 SWRiy NOC on 30/03/2022 BSNL TD awaited	BSNL Telecom Details from Belagavi to be issued
32	F-3345/SKT-3842	PTCC Proposal for construction of 220KV DC line from the existing 400/220KV BTPS at Kudatini to the proposed 220/110KV Receiving Station at Somasamudra in Ballari Taluk & District.	Proposal forwarded on 15/02/2022 MoD NOC on 06/04/2022 SWRiy TD awaited BSNL TD awaited	BSNL Telecom Details from Ballari to be issued
33	F-3347/SKT-3844	PTCC Proposal for Conversion existing 400KV SC Line on SC Towers to DC Line on DC Towers (partially proposed corridor from Doni SS to T.No.79 and existing corridor from T.No.79 to Guttur SS) from the existing 400/220KV in Mundaragi Taluk, Gadag District to the existing 400/220KV Guttur SS in Harihara Taluk, Davanagere District.	Proposal forwarded on 16/02/2022 MoD NOC on 06/04/2022 SWRiy TD awaited BSNL TD awaited	BSNL Telecom Details from Raichur Hubballi Ballari & Davanagere to be issued
34	F-3351/SKT-3850	PTCC Proposal for construction of 400KV DC line on 400KV design based Monopole /Lattice DC towers from existing 400/220KV Nelamangala station to proposed (400KV GIS, 220KV AIS) Sub Station in existing 220/66KV Station Premises at SRS Peenya in the existing 220KV B1 B2 Corridor in Bangalore District.	Proposal forwarded on 14/02/2022 MoD NOC awaited, SWRiy TD awaited, BSNL TD awaited,	BSNL Telecom Details from BGTD to be issued
35	F-3356/SKT-3893	PTCC Proposal for Construction of 220KV 1200 Sq.m.m main line SC UG Cable from proposed (400KV GIS, 220KV AIS) SS in existing 220/66KV Station Premises at SRS Peenya to the existing 220/66KV Station at Anand Rao Circle (Near 'A' Station, CSD Yard) in Bangalore District.	Proposal forwarded on 02/03/2022 MoD NOC on 25/04/2022 SWRiy TD awaited, BSNL TD awaited, STR NOC on 07/04/2022	BSNL Telecom Details from BGTD to be issued
36	F-3365/SKT-3944	PTCC proposal for construction of 220KV DC LILO line on MC Towers from existing 220KV Narendra-Mahalingapura DC line to the proposed 220/110KV RS at Salahalli in Ramadurga Taluk Belagavi District.	Proposal forwarded on 29/03/2022 MoD NOC awaited SWRiy NOC awaited There is no rly line exist BSNL TD awaited	BSNL Telecom Details from Belagavi to be issued

Annexure D.2

37	F-3368/SKT-	PTCC proposal for Construction of proposed 400KV DC Quad Moose Line on DC towers from existing 400/220KV BTPS (Kuditini) SS in Ballari Taluk & District to the existing 400/220KV Guttur SS in Harihara Taluk Davanagere District.	Proposal forwarded on 12/04/2022 MoD NOC awaited SWRly TD awaited BSNL TD awaited	BSNL Telecom Details from Davanagere to be issued
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E. Pending at Ministry of Defence

Sl No	Case No	Name of Power line	Status	Status in MoD
1	F-3322/SKT- 3814	PTCC Proposal for Construction of proposed 220KV, 1200Sgmm LILo UG cable from existing 220KV Somanahalli-HSR Layout DC line to proposed 220/66KV Keonic city GIS sub-station, Electronic city, Ph-I, Bangalore South taluk, Bangalore.	Proposal forwarded on 06/01/2022 MoD NOC awaited, SWRly TD awaited, BSNL TD awaited, STR NOC on 18/01/2022	NOC to be issued
2	F-3351/SKT- 3850	PTCC Proposal for construction of 400KV DC line on 400KV design based Monopole /Latice DC towers from existing 400/220KV Nelamangala station to proposed (400KV GIS, 220KV AIS) Sub Station in existing 220/66KV Station Premises at SRS Peenya in the existing 220KV B1 B2 Corridor in Bangalore District.	Proposal forwarded on 14/02/2022 Communicated on 14/02/2022 MoD NOC awaited, SWRly TD awaited, BSNL TD awaited.	NOC to be issued
3	F-3365/SKT- 3944	PTCC proposal for construction of 220KV DC LILo line on MC Towers from existing 220KV Narendra-Mahalingpura DC line to the proposed 220/110KV RS at Salahalli in Ramadurga Taluk Belagavi District.	Proposal forwarded on 29/03/2022 MoD NOC awaited SWRly NOC awaited There is no rly line exist BSNL TD awaited	NOC to be issued
4	F-3368/SKT- 3850	PTCC proposal for Construction of proposed 400KV DC Quad Moose Line on DC towers from existing 400/220KV BTPS (Kuditini) SS in Ballari Taluk & District to the existing 400/220KV Guttur SS in Harihara Taluk Davanagere District.	Proposal forwarded on 12/04/2022, MoD NOC awaited SWRly TD awaited BSNL TD awaited	NOC to be issued

F. Details of cases at BSNL for want of Assets Clearance for EPR zone

Sl No	Case No	Name of Power line	Status	Status in MoD
1	F-2996/SKT- 2657	Proposed 220KV DC line on MC Towers from proposed 400/220KV SS at Mylasandra to existing 220/66KV SS at Yarandanahalli [by drawing 220KV DC line on new corridor from proposed 400/220KV SS at Mylasandra to T.No.11 and from T.No.11 to existing 220/66KV	Proposal forwarded on 22/11/2019, RAC issued on 04/11/2020, NO GD Tube protection is recommended for BSNL network, since the induced voltage is less then	Assets clearance from BGTD is awaited

Annexure D.2

		SS at Yaranadanahalli in the existing 220KV Somanahalli-Yerandanahalli DC line corridor] in Bangalore Urban District.	430Volts, BSNL authorities should ensure the non existence of telecom assets in EPR zone for proposed SS, Hence assets clearance is awaited.	
2	F-3019/SKT-2690	Proposed for construction of 220KV 2nd Circuit from existing 220/66 KV SS at Yaranadanahalli [on the existing corridor of 220KV Somanahalli-Yarandanahalli SC Line] up to location No.11 of existing 220KV Somanahalli-Devarabisanahalli(Vikas Tech Park) DC line [Ckt-1] & also connecting the Somanahalli-Yarandanahalli existing line to Ckt-II for providing independent supply from Somanahalli to Yaranadanahalli by disconnecting supply towards Devarabisanahalli [Vikas Tech Park] SS in Bengaluru Urban District.	Proposal forwarded on 08/01/2019, RAC issued on 16/04/2022 No GD tube protection is recommended Assets in EPR zone is not required, since both are existing stations (Ltr addressed to SDE Ulsoor Bengaluru to release EA on 16/04/2022)	EA from SDE (OP) Ulsoor is awaited
3	F-3127/SKT-2896	Proposed 220KV D/C LIO line on MC Towers from the existing 220KV Kadakola - Chamarajanagar D/C Line to the proposed 220/66/11KV RS at KIADB Industrial Area Adakanahalli in Nanjanagudu Taluk Mysuru District.	Proposal Forwarded on 07/01/2020, RAC issued on 22/04/2022 No GD tube protection is recommended Assets in EPR zone is to be intimated (Ltr addressed to GMT Mysore to release EA on 05/05/2022) BSNL TD awaited	Assets clearance from Mysore is awaited
4	F-3145/SKT- 2929	Proposed 220KV Transmission lines on DC Towers with 2 phase Drake conductor from existing 220/110/11 KV SS at Kudachi to the proposed 220/25 KV Traction Sub Station at Chinchli Railway Station in Belagavi District.	Proposal processed along with EPR details on 04/02/2021, Communicated to other departments on 04/02/2021. RAC issued on 11/03/2022 NO GD Tube protection is recommended, Assets in EPR zone to be intimated by BSNL	Assets clearance from Belagavi is awaited

G. Details of cases at SWRly for want Telecom details & NOC's

Sl No	Case No	Name of Power line	Status	Status in MoD
1	F-3226/SKT-3459	PTCC proposal for construction of 220KV DC line on DC towers from existing 400/220KV GIS at Hiremallanahole (Jagalur Taluk) to the proposed 220/66 KV SS at Hanagal in Molakalmur Taluk in Chitradurga District.	Proposal forwarded on 07/08/2021, MoD NOC 30/09/2021. SWRly TD awaited , BSNL TD awaited (C durga & Ballari)	SWRly Telecom Details from Hubballi to be issued
2	F-3273/SKT-3662	PTCC Proposal for Construction of 400KV SC Quad Moose Transmission line from existing 400/220KV RS at Mylasandra to the proposed 400/220KV RS at Dommasandra by Partially using the existing 400KV Somanahalli-Kolar (PGCIL) SC line Corridor (in B/W T.No.605 To T.No.563) In Anekal Taluk & Bengaluru Urban District.	Proposal forwarded on 16/11/2021 MoD NOC on 28/01/2022, SWRly TD awaited, BSNL TD awaited,	SWRly Telecom Details from Hubballi to be issued
3	F-3277/SKT-3666	PTCC proposal for Construction of 220kV SC line, 1200Sqmm UG Cable from Proposed 220/66KV NRS GIS (under progress) to the proposed 220/66KV Mattikere GIS (under progress) near 66/11KV Mattikere Sub Station in Mattikere in in Bangalore Taluk & District.	Proposal forwarded on 16/11/2021, MoD NOC on 02/02/2022, STR NOC on 27/11/2021 SWRly TD awaited, BSNL TD awaited,	SWRly Telecom Details from Hubballi to be issued

Annexure D.2

4	F-3284/SKT-3693	PTCC proposal for construction of 400KV LILO line on MC towers from existing 400KV Mylasandra - Kolar SC Twin Moose line to the proposed 400/220KV RS at Dommasandra (LILO B/w T.No 563 & T.No. 562) in Anekal Taluk and Bengaluru Urban District.	Proposal forwarded on 20/11/2021, MoD NOC on 28/01/2022, SWRly TD awaited, BSNL TD awaited,	SWRly Telecom Details from Hubballi to be issued
5	F-3321/SKT-3813	PTCC Proposal for construction of 220KV, 1200sqmm UG cable route double LILO from existing 220KV Somanahalli-Malur DC line to the proposed 400/220KV Dommasandra GIS sub-station, Dommasandra village, Sarjapura Hobli, Anekal Taluk, Bengaluru Urban District.	Proposal forwarded on 05/01/2022 MoD NOC on 06/04/2022 SWRly TD awaited, BSNL TD awaited, STR NOC awaited	SWRly Telecom Details from Hubballi to be issued
6	F-3322/SKT-3814	PTCC Proposal for Construction of proposed 220KV, 1200Sqmm LILO UG cable from existing 220KV Somanahalli-HSR Layout DC line to proposed 220/66KV Keonic city GIS sub-station, Electronic city, Ph-I, Bangalore South taluk, Bangalore.	Proposal forwarded on 05/01/2022 MoD NOC awaited, SWRly TD awaited, BSNL TD awaited, STR NOC on 18/01/2022	SWRly Telecom Details from Hubballi to be issued
7	F-3338/SKT-3832	'PTCC Proposal for Construction of 220KV DC line on DC Towers from Existing 220KV Switching Station at Lingapura In Koppal Taluk and District to the existing 220/66KV SS at Neelagunda in Harapanahalli Taluk and Ballari District.	Proposal forwarded on 31/01/2021, MoD NOC on 06/04/2022 SWRly TD awaited . BSNL TD awaited (Raichur & Bellary)	SWRly Telecom Details from Hubballi to be issued
8	F-3340/SKT-3849	PTCC Proposal for the proposed 220KV 1200sq.mm LILO U.G Cable from proposed 220KV Mylasandra-Yaranadahalli DC line to proposed 220/66KV Keonics City GIS sub-station, Electronic city phase-1, Bangalore south taluk, Bangalore.	Proposal forwarded on 21/02/2022 MoD NOC on 06/04/2022 SWRly TD awaited, BSNL TD awaited, STR NOC on 07/04/2022	SWRly Telecom Details from Hubballi to be issued
9	F-3345/SKT-3842	PTCC Proposal for construction of 220KV DC line from the existing 400/220KV BTPS at Kudatini to the proposed 220/110KV Receiving Station at Somasamudra in Ballari Taluk & District.	Proposal forwarded on 15/02/2022 MoD NOC on 06/04/2022 SWRly TD awaited BSNL TD awaited	SWRly Telecom Details from Hubballi to be issued
10	F-3347/SKT-3844	'PTCC Proposal for Conversion existing 400KV SC Line on SC Towers to DC Line on DC Towers (partially proposed corridor from Doni SS to T.No.79 and existing corridor from T.No.79 to Guttur SS) from the existing 400/220KV in Mundaragi Taluk, Gadag District to the existing 400/220KV Guttur SS in Harihara Taluk, Davanagere District.	Proposal forwarded on 16/02/2022 MoD NOC on 06/04/2022 SWRly TD awaited BSNL TD (Raichur Hubballi Ballari & Davanagere) awaited	SWRly Telecom Details from Hubballi to be issued
11	F-3351/SKT-3850	PTCC Proposal for construction of 400KV DC line on 400KV design based Monopole /Lattice DC towers from existing 400/220KV Nelamangala station to proposed (400KV / GIS, 220KV AIS) Sub Station in existing 220/66KV Station Premises at SRS Peenya in the existing 220KV B1 B2 Corridor in Bangalore District.	Proposal forwarded on 14/02/2022 Communicated on 14/02/2022 MoD NOC awaited, SWRly TD awaited, BSNL TD awaited,	SWRly Telecom Details from Hubballi to be issued
12	F-3356/SKT-3893	PTCC Proposal for Construction of 220KV 1200 Sq.m.m main line SC UG Cable from proposed (400KV /GIS, 220KV AIS) SS in existing 220/66KV Station Premises at SRS Peenya to the existing 220/66KV	Proposal forwarded on 25/02/2022 Communicated on 02/03/2022 MoD NOC on 25/04/2022	SWRly Telecom Details

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		Station at Anand Rao Circle (Near 'A' Station, CSD Yard) in Bangalore District.	SWRly TD awaited, BSNL TD awaited, STR NOC on 07/04/2022	from Hubballi to be issued
13	F-3368/SKT-	PTCC proposal for Construction of proposed 400KV DC Quad Moose Line on DC towers from existing 400/220KV BTPS (Kudifini) SS in Ballari Taluk & District to the existing 400/220KV Guttur SS in Harihara Taluk Davanagere District.	Proposal forwarded on 12/04/2022, MoD NOC awaited SWRly TD awaited BSNL TD awaited	SWRly Telecom Details from Hubballi to be issued

G (II) Details of cases at SWRly for want NOC's

1	F-3042/SKT-2736	Proposed 220KV Multi Circuit line from proposed 400/220KV Devanahalli Hardware Park (Under Construction) SS to existing Doddaballapura (NRS) SS in Devanahalli Taluk Bengaluru Rural District.	Proposal forwarded on 23/04/2020, MoD NOC on 18/09/2020 SWRly TD forwarded to CEA on 19/10/2020 BSNL TD forwarded to CEA on 07/07/2021 CEA IV comment received on 09/05/2022	SWRly NOC from Hubballi to be issued
2	F-3269/SKT-3710	PTCC proposal for construction of 400KV LILO line on MC towers from existing 400KV Dharmapuri - Somanahalli DC Quad transmission line (PGCIL) to the existing 400/220KV RS at Mylasandra by partially using the existing 400KV Somanahalli - Kolar (PGCIL) SC line corridor (in b/w T.No 632 to T. No 605) in Bengaluru south Taluk and Bengaluru Urban District.	Proposal forwarded on 08/11/2021 MoD NOC on 28/01/2022, SWRly NOC awaited, (Rly line does not exist) BSNL TD awaited,	SWRly NOC from Hubballi to be issued
3	F-3365/SKT-3944	PTCC proposal for construction of 220KV DC LILO line on MC Towers from existing 220KV Narendra-Mahalingapura DC line to the proposed 220/110KV RS at Salahalli in Ramadurga Taluk Belagavi District.	Proposal forwarded on 29/03/2022 MoD NOC awaited SWRly NOC awaited There is no rly line exist BSNL TD awaited	SWRly NOC from Hubballi to be issued

H. Details of cases at Konkan Rly for want Telecom details

1	F-3182/SKT-3211	Proposed for construction of proposed 220KV Tap line [2 spans] from existing 220KV Tannirbhavi Kavoor DC line [TK-2] to proposed 220KV Metering bay of 30MLD Desalination Plant of M/s MRPL at Tannirbhavi in Mangalore District .	Proposal processed along with EPR on 07/04/2021. MoD NOC on 02/06/2021 SWRly no line exist Konkan Rly TD awaited SRly TD is forwarded to CEA on 16/04/2021 BSNL TD awaited (Mangalore)	Konkan NOC from Navi Mumbai to be issued
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I. Details of cases at SCRly for want Telecom details

Annexure D.2

1	F-3186/SKT-3259	Proposal for construction of 220KV DC line on DC towers from the existing 220/110KV R/S at Halbarga [Neelamnalli Tanda] in Balki Taluk Bidar District to proposed 220/110KV R/S at Santapur village, Aurad Taluk, Bidar District.	Proposal processed on 27/04/2021. Communicated to all other departments along with EPR sent on 27/04/2021. MoD NOC 30/06/2021, SCRly TD awaited, BSNL TD forwarded to CEA on 11/08/2021	SCRly TD from Secunderabad to be issued
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Agenda points (BSPTCL) for 111th CLPTCC meeting

1) Long pending PTCC cases at BSNL -

S No.	BSPTCL NIT No.	Name of Transmission lines	Route length (in Kms)	Letter ref no.	Dated	Application Id	Status
1	01/PR/BSPTCL/2019	132KV D/C GSS Nalanda to TSS Nalanda	8.681	30	18.01.21	EBR270120212899	Telecom Survey report not received
2	15/PR/BSPTCL/2014	220KV D/C Laukahi-Supaul	41.52	100	01.03.21	EBR150320212988	Telecom Survey report not received
3	110/PR/BSPTCL/2018	LILO portion of 132KV Chandauti-Sonenagar(L-30) and Chandauti-Rafiganj-Sonenagar(L-31) at GSS Chandauti (PG)	23.422	195	28.06.21	EBR160820193454	Telecom Survey report not received
4	12/PR/BSPTCL/2018	132KV GSS Wazirganj to TSS Tilaiya	20.019	373	22.09.21	EBR300920213570	Telecom Survey report not received
5	111/PR/BSPTCL/2018	132KV D/C Laukahi-Phulparas	22.371	377	23.09.21	EBR031220213685	Telecom Survey report not received
6	77/PR/BSPTCL/2018	220 KV D/C Bakhtiyarpur -Hathidah	31.1	382	24.09.21	EBR031220213683	Telecom Survey report not received
7	77/PR/BSPTCL/2018	LILO of 400KV D/C Barh(NTPC)-Patna(PG) at GIS Bakhtiyarpur	10.3Loopout 10.45loop in	383	27.09.21	EBR221020213583	Telecom Survey report not received
8	77/PR/BSPTCL/2018	220KV D/C Bakhtiyarpur-Sheikhopursarai(BGCL)	42	384	28.09.21	EBR031220213684	Telecom Survey report not received
9	77/PR/BSPTCL/2018	220KV D/C Bakhtiyarpur – Fatuha	45.2	390	28.09.21	EBR031220213681	Telecom Survey report not received
10	59/PR/BSPTCL/2014- Package B	132KV D/C Sonenagar(New)-Aurangabad	18.5	450	25.10.21	EBR031220213680	Telecom Survey report not received
11	71/PR/BSPTCL/2018	LILO of 132KV Benipatti-Pupri at Sitamarhi(PG)	31.61	451	25.10.21	EBR031220213679	Telecom Survey report not received
12	31/PR/BSPTCL/2018	132KV GSS Sheikhpura-TSS Sheikhpura	12.888	478	12.11.21	EBR031220213677	Telecom Survey report not received
13	66/PR/BSPTCL/2018	220KV D/C Tajpur-Goraul	51	486	22.11.21	EBR031220213675	Telecom Survey report not received
14	66/PR/BSPTCL/2018	132KV D/C Shahpurpatori-Tajpur	28.581	487	22.11.21	EBR031220213674	Telecom Survey report not received
15	66/PR/BSPTCL/2018	220KV D/C Samastipur New-Tajpur	18.457	491	23.11.21	EBR031220213682	Telecom Survey report not received
16	DFCCIL	132KV D/C Mathurapur(DOS)-TSS Karwandiya(DFCCIL)	11.112	496	24.11.21	EBR031220213686	Telecom Survey report not received
17	26/PR/BSPTCL/2018	132KV Runnisaipur-TSS Bajpatti	28.245	498	26.11.21	EBR031220213673	Telecom Survey report not received
18	26/PR/BSPTCL/2018	132KV GSS Dhaka to TSS Baiganiya	22.413	548	22.12.21	EBR030120223762	Telecom Survey report not received
19	64/PR/BSPTCL/2018	220 KV D/C Amnour(BGCL)-Digha New T/L	47.149	556	29.12.21	EBR170120223784	Telecom Survey report not received
20	Railways Electrification	132KV GSS Banka-TSS Banka	28.974	34	19.01.22	EBR280120223797	Telecom Survey report not received
21	29/PR/BSPTCL/2019	132KV GSS Bikramganj -TSS Bikramganj	10.875	37	19.01.22	EBR280120223798	Telecom Survey report not received
22	53/PR/BSPTCL/2018	LILO of 132KV Madhepura-Sonebarsa at GSS Saharsa (PG)	29.817	95	08.02.22	EBR210220223819	Telecom Survey report not received
23	53/PR/BSPTCL/2018	LILO of 132KV Saharsa old-Banmankhi at GSS Saharsa (PG)	18.602	98	10.02.22	EBR230220223838	Telecom Survey report not received
24	23/PR/BSPTCL/2021	400KV D/C Naubatpur(BGCL)-Buxar Thermal power Plant	126.192	157	15.03.22	EBR080420223923	Telecom Survey report not received
25	11/PR/BSPTCL/2018	132KV GSS Naugachia-TSS Naugachia	2.221	158	15.03.22	EBR060420223909	Telecom Survey report not received
26	23/PR/BSPTCL/2021	220KV D/C Buxar TPP-GSS karamnasa New	59.345	196	31.03.22	EBR060420223910	Telecom Survey report not received
27	51/PR/BSPTCL/2018	220KV D/C Muzaffarpur(PG)-Amnour	65.499	201	31.03.22	EBR080420223924	Telecom Survey report not received
28	51/PR/BSPTCL/2018	132KV D/C Amnour-Vaishali	42.909	184	29.03.22	EBR060420223911	Telecom Survey report not received
29	53/PR/BSPTCL/2018	LILO of 132KV Saharsa old-Udakishanganj at GSS Saharsa (PG)	12.8	99	10.02.22	EBR060420223912	Telecom Survey report not received
30	24/PR/BSPTCL/2016	132KV D/C Paliganj-Bihta New	25.006	262	25.04.22	EBR020520223955	Telecom Survey report not received

Annexure D.4**PSTCL Agenda**

Sr. No.	Name of Line	PTCC Case Submitted Date	CEA's Remark
1.	PTCC case for 220 KV line from 220 KV G/S/S Mansa to 220 KV Budlada on DC Tower.	30.12.2019	Issued 05.04.2022
2.	PTCC Case for Route approval of 220 KV line from 220 KV S/S Bhari to 220 KV S/S Daheru TSS	11.12.2020	Issued 27.04.2022
3.	PTCC Case Route approval of LILO of 220KV Sarna-Wadala Granthian Line at 220 Kv S/S Gurdaspur.	18.02.2021	Under processing

Annexure D.5

List of PTCC proposals pending for RAC/Clearance pertaining to Vishakhapatnam Zone											
SLNo	Name of the Line	Voltage Level	PTCC Portal Request No.	PTCC Portal SAP Number	Defence NOC in case of 220KV and above	Telecom details		Railway Details		Probable date of Charging	Remarks
						SSA	Status	Zone	Status		
Vizag Zone											
S. No.	Name of the Line	Voltage Level	PTCC Portal Request No.	PTCC Portal SAP Number	Defence NOC in case of 220 KV and above	SSA	Status	Zone	Status	Probable date of Charging	Remarks
1	Supply, Erection, Testing and upgradation of 132/33 KV SS at Simbachalam to 220/132/33 KV Simbachalam SS by making LILO of 220 KV Kalapaka-Dairy Farm DC line in Visakhapatnam District on Turnkey Basis	220 KV	106215	SAP030220212910	NA	Not received	Not received	Eco Rly.	NOC issued		PTCC proposals submitted vide D.No.141, Dt.17.06.2020.
2	Supply, Erection, Testing & Commissioning of 220/132/33 KV GIS at Atchuthapuram along with feeder bay extension at 220/132/33 KV at Brandix SS and 220 KV DC line from 220/132/33 KV at Brandix SS to proposed 220/132/33 KV GIS at Atchuthapuram in Visakhapatnam District	220 KV	-	SAP 010220212904	NA	Not received	Not received	Eco Rly.	No railway line within vicinity	Work under progress Expected date of commissioning 31.08.2022	PTCC proposals submitted vide D.No.288, Dt.25.08.2020 and as per the MoM of Coordination meeting conducted by APTRANSCO on 09.03.2022, one more copy of the PTCC proposals for the subject work along with the Topo sheet was sent to M/s. Assistant General Manager (OP), Visakhapatnam vide Lr.No.CE/Zone/VSP/EE/Const/DEE3.F. BDx-ATPRM Line/ D.No.2134/22,dt.29.04.2022
3	Erection of 220/132/33 KV SS at Chandanada in Visakhapatnam District by making LILO of 220 KV VSS-Kakinada SC line and 220 KV Anrak-Samalkota SC line	220 KV	106216		NA	Not received	Not received	Rly. crossing proposals submitted to South Central Railway, VJA vide D.No.430, Dt.22.10.2020 and in process	Work under progress Expected date of commissioning 31.07.2022		PTCC proposals submitted vide D.No.113, Dt.09.06.2020. As per the MoM of Coordination meeting conducted by APTRANSCO on 09.03.2022, BSNL has informed that necessary proposals were already sent to PTCC Chennai vide Lr.No.GMTD-VN/op/PTCC/220/132/33KV/Chandanada - Kakinada & Anrak - Samalkota /2020-2021/5 dt. at VM-20, the 22.06.2021.
4	Supply, Erection, testing and commissioning of 132/33 KV Substation at T Narasapuram along with Erection of 132KV Lines to T Narasapuram by making LILO of both circuits of existing 220/132 kV Kamavarapukota - Aswaropeta line and 132 kV Kamavarapukota - Aswaropeta line in West Godavari District on turnkey basis and Operation of 132/33KV T Narasapuram SS for a period of 2 years from date of commissioning	220 KV	106376	SAP 2895	Not Applicable	Not received	Not received	SCR	No railway line within vicinity		1).PTCC proposals submitted to DE/ Telecom/ Chennai vide D.No.1389/2020, Dt.31.12.2020. 2).As per the request of M/s PTCC, Chennai, the PTCC proposals -Topo sheet along with marking of Telephone exchanges requested vide D. No. 2403/22, Dt. 12.05.2022
5	Erection of 220KV DC line by making LILO of existing one circuit of 220 kV VTS- K.Kota line at 400/220 KV SS Kamavarapukota and 220 KV Bay extensions at 400/220 KV SS Kamavarapukota in West Godavari district on Turnkey Basis.	220 KV	107731	-	-	-	-	-	-		PTCC proposals submitted to DE/ Telecom/ Chennai vide D.No.2484/2020, Dt.18.05.2022.
6	Erection of 400 kV TMDC LILO of 400 KV HNPCL - Kamavarapukota TMDC line to proposed 400/220/1 KV Guddigudem Substation.	400 KV		-	NOC issued vide Ref. No. B/46937/sigs 7 (b)/1832/ 15.Nov.2019	Not received	Not received	SCR	NOC Issued and PTCC route approval is yet to be	31.03.2022	1). Lr. No. CE/LI/SE/LIS/EE-2/DEE-4/PTCC/ Guddigudem/D.No.354/2019, Dt. 19.12.2019. 2). Lr.No. CE/ Construction/SE/D-A3/ F.Guaddigudem -LILO line/ D. No. 40/ 21.Dt.4.02.2021.

ANNEXURE
List of PTCC proposals pending for RAC/Clearance pertaining to Vijayawada Zone

Sl.No.	Name of the Line	Voltage Level	PTCC Portal Request No.	PTCC Portal SAP Number	Defence NOC in case of 220KV and above	Telecom details		Railway Details		Probable date of Charging	Remarks
						SSA	Status	Zone	Status		
1	Erection of 220 KV DC line (3.500KM)for making LILO of 220 KV Ongole-Racherlapadu line to the 220/132 KV Kandukur SS in Prakasam District	220 KV	106710	Not generated	No Objection letter received from Directorate General of Signals vide Lr.No.B/46937/Sigs 7(b)/2457 dated:04.08.2021	Ongole		SCR		31.12.2022	PTCC Proposals forwarded vide Lr.No.CE/Zone/VJA/EE/Const/DEE-2/AEE/F. 220 KV Ongole-R.padu/D.No.147/21,Dt.22.05.2021 Additional information furnished to DE/PTCC regarding main line RAC particulars vide D.No.54 /22, Dt.14.03.2022
2	220kV DC line of length 3.15Km for making LILO of 220KV KTS-Numa feeder proposed to 220KV Tiruvuru in Krishna Dt	220 KV	107511	Not generated	Not Received	Krishna		SCR	No Objection letter received from SCR vide No.SG.85/ 4/3/PTCC/ SCRAP 202122 RC, dated:21.03.2022	31.07.2022	PTCC Proposals forwarded vide Lr.No.CE/Zone/Vja/EE/Const/DEE-1/F.No.220KV Tiruvuru/D.No 83 /22, Dt: 14-03-2022

List of PTCC proposals pending for RAC/Clearance pertaining to Kadapa Zone

ANANTAPUR						
1	220kV TMDC line(24KM) from 400kV SS, Hindupur to 220kV SS Gollapuram	220kV	106595	SAP101220213706	BSNL will sent TD within 1 week to PTCC, Chennai after receipt, TRANSCO will address CEA for Railways I.V.	Pending with DE/PTCC Chennai
2	220kV SMDCL line (3.5KM) from 400kV SS, Hindupur to 220kV SS, Gorantla (Penukonda)	220kV	106276		APTRANSCO will sent the revised TOPO sheet to DE/PTCC	Revised Topo sheet will be submitted within 10 days
3	220kV LILLO (3.5KM) from Gooty-Shapuram line to 220kV SS, Dharamavaram	220kV	106273		APTRANSCO will send the main line details	Main line details not traced. The same was informed to DE-PTCC
4	220kV TMSCL line(24KM) from 400kV SS, Hindupur to 220kV SS, Hindupur	220kV	106597	SAP210220223836	RAC approval pending at DE/PTCC/Chennai	
5	132kV DC line (7.0KM) from Proposed 220kV SS, Dharamavaram to existing 132kV SS, Dharamavaram	132kV	106501	SAP250620213320	BSNL Anantapuram will sent revised TD to DE/PTCC within 1 week after receipt and SCR will sent railway TD to APTRANSCO	Pending with DE/PTCC Chennai
CHITTOOR						
1	Erection of 132KV DC line from existing 220/132KV SS Rachaguneri to proposed 132/33KV Mangalam SS IN Chittoor Dt..	132KV	105720	SAP 050720192491	a) IV calculation (BSNL TD) were sent to DE/PTCC vide CE/Constn/SE/220-132KV/CPT440/PTCC.Mangalam/Dno 177/2020 Dt 06-10-2020. b) Topo sheets were sent to SCR vide Lr No. CE/Constn/DE-3/CPT340/132KV Mangalam/Dno 220/2019 Dt 26-06-2019.	
2	132KV DC/SC line from 400/220/132KV Rachaguneri SS to 132 KV Pushpith Pvt limited	132KV	107636		PTCC Proposals sent to DE/PTCC along with TOPO sheets & line details vide Lr No. CE/Z/KDP/SE(Z)/EE(con-220KV)/DEE-2/132KV pushpith Steels/ DNO 345/2022 DT 17-05-2022.	
3	Erection of 220 KV DC line from 220 KV SS Sullurpeta to the proposed 220 KV SS Racharla in Chittoor District	220 KV	106842	SAP 311220213758	Approval pending at The Director PTCC, CEA New Delhi	Railway NOC Pending at South Central Railway/ Secunderabad
4	Erection of 132 KV DC/SC line from 220 KV SS Madanapalli to the proposed 132 KV RTSS Kurabalakota in Chittoor District	132KV	107637		PTCC Proposals sent to DE/PTCC along with TOPO sheets & line details vide Lr No. CE/Z/KDP/SE(Z)/EE(con-220KV)/DEE-2/132KV Kurabalakota/ DNO 276/2022 DT 22-04-2022.	
5	Diversion of existing 220 KV Renigunta – G.D.Nellore DC Line From Location Nos.5 to 12 by laying of 220 KV DC Copper XLPE 1CX1000 Sq.mm UG Cable from the Proposed Cable Terminal Tower -1 to the Proposed Cable Terminal Tower -2 and 220KV DC Over Head Line from the existing Location. No.5 to the Proposed Cable Terminal Tower -1 in Renigunta (Village & Mandal), Chittoor District, Andhra Pradesh for expansion of Tirupati Airport as International Airport	220KV	106380	SAP 180220212934	Approval pending at The Director PTCC, CEA New Delhi	Southern Railways send TOPO sheet and all details to the Director(PTCC)/ CEA/ Newdelhi vide No. W.384/3/597A Dated 29-09-2020.
CHITTOOR (pg.2)						
					CEA remark : Defense awaited	

6	Diversion of existing 132KV Renigunta – Puttur DC Line from Location Nos.3 to 17 by laying of 132 KV DC Copper XLPE 1CX630 Sq.mm UG Cable from the Proposed Cable Terminal Tower -1 to the Proposed Cable Terminal Tower -2 and 132KV DC Over Head Line from Proposed Cable Terminal Tower -2 to the existing Location. No.17 in Renigunta (Village & Mandal), Chittoor District, Andhra Pradesh for expansion of Tirupati Airport as International Airport	132KV	106378	SAP 180220212933	PTCC Proposals sent to DE/PTCC along with TOPO sheets & line details vide Lr NO CPT110/SE(PM)/F.Airport/PTCC/Dno 2185/2020 DT 31-08-2020. Previous PTCC approval details were sent vide Lr No. CE/Z/KDP/SE(Z)/EE(con-220KV)/DEE-II/Airport diversion/DNO 16/2021 Dt 18-02-2021.	
7	Diversion of existing 132KV Renigunta – Chittoor (Now Connected to 132KV SS Tirupati) SC Line from Location Nos.207 to 213 by laying of 132 KV SC Copper XLPE 1CX630 Sq.mm UG Cable from the Proposed Cable Terminal Tower -1 to the Proposed Cable Terminal Tower -2 and 132KV SC Over Head Line from existing Location. No.207 to Proposed Cable Terminal Tower -1& from Proposed Cable Terminal Tower -2 to the existing Location. No.213 in Renigunta (Village & Mandal), Chittoor District, Andhra Pradesh for expansion of Tirupati Airport as International Airport	132KV	106274	SAP 291220202856	PTCC Proposals sent to DE/PTCC along with TOPO sheets & line details vide Lr NO CPT110/SE(PM)/F.Airport/PTCC/Dno 2185/2020 DT 31-08-2020. Previous PTCC approval details were sent vide Lr No. CE/Z/KDP/SE(Z)/EE(con-220KV)/DEE-II/Airport diversion/DNO 16/2021 Dt 18-02-2021.	

KADAPA						
1	132/33KV SS at Satellite City and connected 132KV DC line from 220/132KV SS, Chinakampalli in Y.S.R. Kadapa dist	132kv	106415	SAP220120212883	DE/PTCC sent the TD on 14.02.2022 within 3 days APTRANSCO will sent I.V. and DE/PTCC will arrange for RAC	RAC Issued on 26.03.22
2	Erection of 132/33KV SS at T.Sundupalli with connected 132kv DC line from 132kv SS Rayachoti to proposed 132KV SS T.Sundupalli in Y.S.R.Kadapa district	132kv	106246	SAP150220212927	Pending with DE/PTCC Chennai	
3	132kv LILO of Yerraguntla-Kondapuram to RTSS, Muddanur	132kv		SAP181220090765	APTRANSCO to send fresh proposals along with Toposheets to PTCC, BSNL and Railways.	Will be submitted within 10 days
4	Erection of 220 KV DC line on Multi circuit towers from proposed pooling station III & IV to existing 400/220 KV SS Thalamanchipatnam in YSR Kadapa district.	220KV	107642		Approval pending at DE/PTCC/Chennai	
5	Erection of 220 KV Twin Moose DC line from proposed pooling station I to Pooling station -II and 220 KV Twin Moose DC line from proposed pooling station II to existing 400/220/132 KV SS Thalamanchipatnam in YSR Kadapa district.	220KV	107638		Approval pending at DE/PTCC/Chennai	
KURNOOL						
1	Erection of 220KV DC line from 400/220KV SS Jammalamadugu to the proposed 220/132/33KV SS at Bethamcherla in Kurnool District	220KV	105829	SAP210820192574	APTRANSCO has to send Revised TOPO sheet to SCR and address CEA for LV values of BSNL.	Minutes informatin received on 01.06.2022 and hence the revised TOPO sheet preparation is to be initiated and will be submitted shortly.

2	Supply, Erection, Construction, Testing and Commissioning of (i) Erection of 220KV DC/SC 2-Phase line from existing 220/11KV SS Settypalli to proposed 220/25KV RTSS Veldurthy and (ii) Erection of INo.220KV Metering Bay at RTSS Veldurthy & (iii) Erection of INo.220KV Bay Extension at 220/11KV SS Settypalli in Kurnool District	220KV	106230	SAP241020202819	BSNL will send TD to CES within 1 week	Action by BSNL wing
List of PTCC proposals pending for RAC/Clearance pertaining to Vijayawada Zone						
1	Erection of 220 KV DC line (3.500KM) for making LILO of 220 KV Ongole-Racherlapadu line to the 220/132 KV Kandukur SS in Prakasam District	220 KV	106710	Not generated	No Objection letter received from Directorate General of Signals vide Lr.No.B/46937/Sigs 7(b)/2457 dated:04.08.2021	PTCC Proposals forwarded vide Lr.No.CE/Zone/VJA/EE/Const/DEE-2/AEE/F. 220 KV Ongole-R.padu/D.No.147/21,Dt.22.05.2021 Additional information furnished to DE/PTCC regarding main line RAC particulars vide D.No.54 /22, Dt.14.03.2022
2	220kV DC line of length 3.15Km for making LILO of 220KV KTS-Nunna feeder proposed to 220KV Tiruvuru in Krishna Dt	220 KV	107511	Not generated	No Objection letter received from SCR vide No.SG.85/ 4/3/PTCC/ SCRAP 202122 RC, dated:21.03.2022	PTCC Proposals forwarded vide Lr.No.CE/Zone/Vja/EE/Const/DEE-1/F.No.220kV Tiruvuru/D.No.83/22, Dt:14-03-22.

Agenda from MPPTCL

A. PTCC ROUTE APPROVAL FOR 400KV LINES

1. Construction of 400kV DCDS line from Shri Singhaji (TPS-II) 400KV S/s Pithampur (400kV S/s). (CASE Mark No. 555):-

The case was submitted by this office letter no. 2976 dt. 12.06.2018 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR & Director General of Signals (Army), New Delhi. TCD submitted by DET(PTCC) to CEA vide letter dt. 15.01.2019. IV issued by CEA, New Delhi vide letter dt.21.02.2019, but the Voltage level mentioned in the IV intimated as 220kV in place of 400kV. NOC from defence issued vide letter dt.08.08.2018. NOC on IV still awaited from WR. Provisional RAC issued by SDE PTCC letter dt.22.02.2019. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: Corrigendum to be issued.

2. Construction of 400KV DCDS Nagda-Rajgarh line at proposed 400kV S/s Badnawar. (MP-609):-

The case was submitted by this office letter no. 12716 dt. 26.02.2019 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR Mumbai and Defence. TCD submitted by DET(PTCC) to CEA vide letter dt. 29.10.2021. NOC issued by WR vide letter Dt.19.09.2019. NOC from defence issued vide letter dt.11.04.2019. IV yet to be issued by CEA, New Delhi. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: Railway letter not received in CEA. MPPTCL is requested to forward the same.

B. PTCC ROUTE APPROVAL FOR 220 KV LINES:

1. Construction of 220kV DCDS line from Julwania 400kV to proposed 220kV Kukshi 132kV being upgraded to 220kV. (CASE Mark No. 539):-

The case was submitted by this office letter no. 2110 dt. 27.02.2018 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR Mumbai and Director Gen. of signals New Delhi. An early action for submission of telecom circuit details were requested from WR / DET (PTCC) & Defence. NOC received from Defence vide letter dt. 05.04.2018. NOC received from WR vide letter dt. 28.11.2018. TCD submitted by DET(PTCC) to CEA vide letter dt. 29.10.2021. Provisional RAC issued by SDE PTCC letter dt.27.10.2021. IV calculation yet to be issued by CEA, New Delhi. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: To be processed for final RAC.

2. Construction of 220kV DCDS line for LILO of both circuits of 220kV DCDS Ujjain - Badod (line-1) at 400kV S/s Ujjain. (MP-633):-

The case was submitted by this office letter no. 5165 dt. 29.08.2019 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR Mumbai & Defence Authority New Delhi. An early action for submission of telecom circuit details are requested from WR, BSNL / DET (PTCC) & Defence Authority. TCD submitted by DET (PTCC) to CEA vide letter dt. 25.01.2020. TCD

submitted by WR to CEA vide letter dt. 14.09.2021. NOC issued by Defence vide letter dt. 14.11.2019. IV calculation yet to be issued by CEA, New Delhi. Request for provisional RAC was submitted vide this office letter dt. 16.03.2021, but provisional RAC still awaited. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: To be processed before the meeting.

IV issued on 23.06.22

3. Construction of 220kV DCDS line for LILO of both circuits of 220kV DCDS Ujjain - Badod (line-2) from tr. No.-23 at 400kV S/s Ujjain. (MP-634):-

The case was submitted by this office letter no. 5182 dt. 30.08.2019 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR Mumbai and Defence Authority. An early action for submission of telecom circuit details are requested from WR, BSNL / DET (PTCC) and Defence Authority. TCD submitted by DET (PTCC) to CEA vide letter dt. 25.01.2020. TCD submitted by WR to CEA vide letter dt. 14.09.2021. NOC issued by Defence vide letter dt. 14.11.2019. IV issued by CEA, New Delhi vide letter dt.29.07.2021. NOC on IV still awaited from WR, hence RAC could not be accorded. Request for provisional RAC was submitted vide this office letter dt. 15.03.2021, but provisional RAC still awaited. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: NIL

4. Construction of 220kV DCDS line for LILO of both circuits of 220kV DCDS Ujjain-Nagda line from Tr. No.13 to proposed 400kV S/s Ujjain. (MP-640):-

The case was submitted by this office letter no. 5595 dt. 12.09.2019 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR Mumbai and Defence Authority. An early action for submission of telecom circuit details are requested from WR, BSNL / DET (PTCC) and Defence Authority. TCD submitted by DET (PTCC) to CEA vide letter dt. 28.01.2020. NOC issued by Defence vide letter dt. 24.12.2019. IV issued by CEA, New Delhi vide letter dtd. 29.07.2021. NOC on IV issued by WR vide letter dt. 19.10.2021. Request for provisional RAC was submitted vide this office letter dt. 15.03.2021, but provisional RAC still awaited. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: NIL

5. Construction of 220kV DCDS line from 400kV S/s Pithampur to proposed 220kV S/s Depalpur. (MP-642):-

The case was submitted by this office letter no. 5691 dt. 16.09.2019 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR Mumbai and Defence Authority. An early action for submission of telecom circuit details are requested from WR, BSNL / DET (PTCC) and Defence Authority. TCD submitted by DET (PTCC) to CEA vide letter dt. 23.02.2021. TCD submitted by WR to CEA, New Delhi, vide letter dt. 16.09.2021. NOC issued by Defence vide letter dt. 27.12.2019. IV yet to be issued by CEA, New Delhi. Provisional RAC issued by SDE (PTCC), Bhopal, vide letter dt. 19.03.2020. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: Defense details not received in CEA. MPPTCL is requested to forward the same.

6. Construction of 220kV DCDS line from Ujjain (400kV S/s) to proposed Nalkhedra (220kV S/s). (MP-673):-

The case was submitted by this office letter no. 11446 dt. 26.02.2020 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR, Mumbai and Defence Authority. An early action for submission of telecom circuit details are requested from WR, BSNL / DET (PTCC) and Defence Authority. TCD submitted by DET(PTCC), Mumbai to CEA vide letter Dt.16.09.2021. TCD submitted by WR to CEA, New Delhi, vide letter dt. 21.06.2021. NOC issued by Defence vide letter dt. 01.07.2020. IV yet to be issued by CEA, New Delhi. Provisional RAC issued by SDE(PTCC) Bhopal vide letter dt. 23.06.2021. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: Railway details not received in CEA. MPPTCL is requested to forward the same.

7. Construction of LILO of 220KV Bina - Ganjbasoda line at 400kV S/s Bina. (MP-701):-

The case was submitted by this office letter no. 5352 dt. 04.01.2021 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WCR, Jabalpur, NCR Prayagraj and Defence Authority. An early action for submission of telecom circuit details are requested from WCR, NCR, BSNL / DET (PTCC) and Defence Authority. TCD submitted by DET(PTCC) to CEA vide letter dt. 03.01.2022. TCD submitted by WCR to CEA, New Delhi, vide letter dt. 29.01.2021. TCD submitted by NCR to CEA, New Delhi, vide letter dt. 12.05.2022. NOC issued by Defence vide letter dt. 02.03.2021. IV issued by CEA, New Delhi vide letter dt. 26.05.2022. NOC on IV issued by NCR vide letter Dt.27.05.22. NOC on IV issued by WCR vide letter dtd. 31.05.2022. RAC yet to be accorded. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: IV issued on 26.05.2022

8. Construction of LILO of one circuit of 220kV DCDS line from Ashta 400kV S/s to Bhopal 400kV S/s at 220kV S/s Bairagarh. (New Case):-

The case was submitted by this office letter no. 7437 dt. 27.03.2021 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR, Mumbai and Defence Authority. An early action for submission of telecom circuit details were requested from WR, BSNL / DET (PTCC) and Defence Authority. TCD yet to be submitted by DET (PTCC) Mumbai to CEA New Delhi. TCD submitted by WR to CEA, New Delhi, vide letter dt.13.09.2021. TCD submitted by Defence vide letter dt. 06.09.2021. IV yet to be issued by CEA, New Delhi. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: NIL

9. Extension of 220KV DCDS line from Tr. NO. 83 of LILO portion of 220kV Indore-II (Jaitpura) - Indore 400kV at 220kV S/s Indore (N/Z) upto 765kV S/s PGCIL, Indore. (MP-986):-

The case was submitted by this office letter no. 2047 dt. 26.08.2021 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR, Mumbai and Defence Authority. An early action for submission of telecom circuit details were requested from WR, BSNL / DET (PTCC) and Defence Authority. TCD submitted by DET (PTCC) to CEA vide letter dtd. 06.12.2021. TCD submitted by WR to CEA, New Delhi, vide letter dt. 01.10.2021. NOC issued by Defence vide letter dt. 12.10.2021. IV yet to be issued by CEA, New Delhi. Request was made to issue IV/ Provisional RAC vide this office letter. Dt.

05.05.2022, but same are still awaited. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: IV issued on 02.06.2022

- 10. Construction of 220kV DCDS line from 220kV Pooling Substation RUMS at Goojarkhedi, Suwasra for interconnection of Solar PV Plant of RUMS to 400kV S/s Mandsaur (Sitamau) of MPPTCL for internal power evacuation system from RUMS, Suwasra (New Case):-**

The case was submitted by this office letter no. 2560 dt. 10.11.2021 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WCR, Jabalpur and Defence Authority. An early action for submission of telecom circuit details were requested from WCR, BSNL / DET (PTCC) and Defence Authority. TCD yet to be submitted by DET (PTCC) Mumbai to CEA, New Delhi. TCD submitted by WCR to CEA, New Delhi vide letter dt. 30.11.2021. NOC issued by Defence vide letter dt. 09.12.2021. IV yet to be issued by CEA, New Delhi. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: NIL

- 11. Construction of 220kV DCSS line from 220kV S/s Nipaniya for power supply of 54.5 MVA to pump house of Shamgarh - Suwasra Irrigation Projects of SSPIU, WRD, Shamgarh at village kilgari Tehsil Shamgarh (New Case):-**

The case was submitted by this office letter no. 2559 dt. 10.11.2021 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WCR, Jabalpur and Defence Authority. An early action for submission of telecom circuit details were requested from WCR, BSNL / DET (PTCC) and Defence Authority. TCD yet to be submitted by DET (PTCC) to CEA, New Delhi. NOC issued by WCR vide letter dt. 23.11.2021. NOC issued by Defence vide letter dt. 09.12.2021. IV yet to be issued by CEA, New Delhi. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: NIL

- 12. Construction of LILO of one circuit of 220kV DCDS Gwalior - II to Datia line at 765kV PGCIL S/s Adupura (Gwalior). (New Case):-**

The case was submitted by this office letter no. 2769 dt. 02.12.2021 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, NCR, Prayagraj and Defence Authority. An early action for submission of telecom circuit details were requested from NCR, BSNL / DET (PTCC) and Defence Authority. TCD yet to be submitted by DET(PTCC) Mumbai to CEA, New Delhi. TCD yet to be submitted by NCR to CEA, New Delhi. TCD/NOC yet to be issued by Defence. Hence, IV could not be issued by CEA, New Delhi. **The Secretary SLPTCC is requested to issue suitable instructions in the matter.**

CEA Remark: NIL

PTCC PENDING CASES STATUS - GUJARAT

Annexure-A

SL NO	PTCC Route State	Name of Power line/Route	Date of Registration	Power Authority	Defence NOC Date	Correspondance for IV (CEA/ SEA)	Issuance of Performa A&B	CEA Remarks
1	Gujarat	220 KV D/C Jamnagar – Hadala with line AL-59 Conductor.	03.07.15	GETCO,Jam nagar	Defence NA ?	Reminder dtd 27.11.20 Reminder dtd 07.01.22	03.08.15	Defense awaited
2	Gujarat	400 KV D/C Mudra-Zerda Line No.1	15.09.17	GETCO,Anjar	718/ 02.02.18/	Reminder dtd 27.11.20 Reminder dtd 07.01.22	04.06.18	Defense awaited
3	Gujarat	220 KV LILO at 220 KV Wankaner S/s from 220 KV S/C Lalpur - Sartanpur line.	26.03.18	GETCO,Rajkot	1081/30.07.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	13.08.19	Railway awaited
4	Gujarat	220 KV LILO of both circuit to proposed 220 KV Valenja S/s from 220 KV D/C KIM-GSEG-Mora Line.	17.01.18	GETCO,Bharuch	1030/ 06.04.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	04.06.19	Defense awaited
5	Gujarat	220 KV LILO at one circuit of 220 KV D/C Gandhinagar - Chhatral line at 400 KV Vadavi S/S.	17.01.18	GETCO,Mehsana	1027/ 09.04.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	0	Defense awaited

PTCC PENDING CASES STATUS - GUJARAT

Annexure-A

SL NO	PTCC Route State	Name of Power line/Route	Date of Registration	Power Authority	Defence NOC Date	Correspondance for IV (CEA/ SEA)	Issuance of Performa A&B	CEA Remarks
6	Gujarat	220 KV LILO of both Circuits of 220 KV D/C Nyara - Tehbda line at 220 KV Motigop s/s with AL-59 Conductor on M/C tower.	29.01.18	GETCO,Jamn	1008/ 09.04.18/ 09.02.22	Reminder dtd 27.11.20 Reminder dtd 07.01.22	30.11.18	Defense awaited
7	Gujarat	400 KV D/C Amreli-Vadinar line with ACSR TWIN MOOSE Conductor.	17.01.18	GETCO,Rajko	1026/ 06.04.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	18.10.19	BSNL and Defense awaited
8	Gujarat	220 KV LILO line at 220 KV Rajula S/s from 220 KV GPPC - Dhokadava line	15.09.17	GETCO,Amre	859/ 10.04.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	30.11.18	Defense awaited
9	Gujarat	220Kv DC line from 400kv Vadavi ss to proposed 220kvDFCC Sanand Railway ss with ACSR zebra conductor,	04.10.17	GETCO,Nadia	722/ 02.02.18/ 09.02.22	Reminder dtd 27.11.20 Reminder dtd 07.01.22	18.10.19	Proposal awaited
10	Gujarat	220Kv LILO line of sc. Of 220kv dc Karamsad-Ranasan line at Barejadi ss with ACSR Zebra conductor	04.10.17	GETCO,Nadia	721/ 02.02.18/ 09.02.22	Reminder dtd 27.11.20 Reminder dtd 07.01.22	30.11.18	Proposal awaited

PTCC PENDING CASES STATUS - GUJARAT

Annexure-A

SL NO	PTCC Route State	Name of Power line/Route	Date of Registration	Power Authority	Defence NOC Date	Correspondance for IV (CEA/ SEA)	Issuance of Performa A&B	CEA Remarks
11	Gujarat	220 KV LILO to virpur S/S from 220 KV Ukai-Achalia line number 2	01.04.19	GETCO,Navs	1565/29.06.19	Reminder dtd 27.11.20 Reminder dtd 07.01.22	18.10.19	Proposal and Railway awaited
12	Gujarat	400 KV Hadala -Shapar line	01.04.19	GETCO,Rajkot	1561/29.06.19	Reminder dtd 27.11.20 Reminder dtd 07.01.22	18.10.19	IV issued on 10.06.22
13	Gujarat	220 KV LILO to Virpur S/S from 220 KV Ukai- Achhaliya line number 3	01.04.19	GETCO,Navs	1558/26.06.19	Reminder dtd 27.11.20 Reminder dtd 07.01.22	18.10.19	Railway awaited
14	Gujarat	220 KV DC Virpur-Ambheta line	01.04.19	GETCO,Navs	1557/26.06.19	Reminder dtd 27.11.20 Reminder dtd 07.01.22	18.10.19	Defense awaited
15	Gujarat	220 KV Bhilad -Delhi TSS Underground power cable line	01.04.19	GETCO,Navs	1556/26.06.19	Reminder dtd 27.11.20 Reminder dtd 07.01.22	18.10.19	BSNL awaited

PTCC PENDING CASES STATUS - GUJARAT

Annexure-A

SL NO	PTCC Route State	Name of Power line/Route	Date of Registration	Power Authority	Defence NOC Date	Correspondance for IV (CEA/ SEA)	Issuance of Performa A&B	CEA Remarks
16	Gujarat	220 KV S/C (3-Phase) Transmission line from existing 220 LV Mitha(GETCO) S/S to 220 KV Katosan Road Railway - TSS on 220 KV D/C Tower with Zebra Conductor with OPGW.	11.06.19	GETCO,Mehsana	1700/ 30.08.19	Reminder dtd 27.11.20 Reminder dtd 07.01.22	0	Defense awaited Railway without topo
17	Gujarat	LILO of One circuit of 220KV D/C Amreli (400KV) - Babra Line at 220KV Patkhilori S/S	01.11.21	GETCO,Rajkot	2615/ 16.12.21		28.10.2021	IV issued on 13.06.22
18	Gujarat	LILO of One circuit of 220KV D/C Hadala-sartanpur Line at 220KV Ghiyavad S/S	01.11.21	GETCO,Rajkot	2618/ 16.12.21		28.10.2021	IV issued on 13.06.22
19	Gujarat	220KV Line from KV Wankaner(GIS) S/S to Wankaner Railway TSS switchyard with 220KV S/C Acx1200SQ mm U/G Cable	01.11.21	GETCO,Rajkot	2616/ 16.12.21		28.10.2021	Under process

PTCC PENDING CASES STATUS - GUJARAT

Annexure-B

SL NO	PTCC Route State	Name of Power line/Route	Date of Registration	Power Authority	WR NOC Date	Defence NOC Date	Correspondance for IV (CEA/ SEA)	CEA Remark
1	Gujarat	400 KV D/c LILO at Kalawad S/S from 400 KV Vadinar - Hadala line on Twin Moose Conductor.	15.09.17	GETCO, Jamnagar	912/ 23.03.18	776/ 08.02.18/ 09.02.22	Reminder dtd 27.11.20 Reminder dtd 07.01.22	Railway awaited
2	Gujarat	220 KV D/C Motipaneli - sardargadh line	26.03.18	GETCO, Junagadh	1009/ 18.10.21	1074/ 31.07.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	IV issued on 08.07.20
3	Gujarat	220 KV D/C Vyankatpura - Waghodiya line	31.03.18	GETCO, Jamnagar	1026/ 17.12.20	1077/31.07.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	BSNL awaited
4	Gujarat	220 KV LILO of both circuit to proposed 220 KV Amod S/s from 220 KV D/C Mobha-Mangrol Line.	17.01.18	GETCO, Bharuch	963/ 31.05.19	1031/ 06.04.18/ 09.02.22	Reminder dtd 27.11.20 Reminder dtd 07.01.22	Defense awaited
5	Gujarat	220 KV LILO line from 220 KV Choraniya - Salejada line	15.09.17	GETCO, Limbdi	901/18.09.18	856/ 04.04.18/ 09.02.22	Reminder dtd 27.11.20 Reminder dtd 07.01.22	Railway awaited
6	Gujarat	220 KV Line from 220 KV Shri Maruti Wind Park India Ltd. S/s to 220 KV Sadla S/s with AL-59 Conductor.	15.09.17	GETCO, Limbdi	910/ 23.03.18	858/ 29.05.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	Railway awaited
7	Gujarat	400 KV D/C line from 400 KV Kosamba to 400 KV Choraniya S/S LiLO at 400 KV Pachham S/S Village Fedra.	12.07.18	GETCO, Limbdi	984/ 31.05.19	1204/ 30.10.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	Railway awaited

8	Gujarat	220 KV Shapar - Babra line with AL-59 Conductor.	21.05.19	GETCO,Rajkot	1113/ 17.09.19	1647/ 09.07.19	Reminder dtd 27.11.20 Reminder dtd 07.01.22	IV issued on 10.06.22
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PTCC PENDING CASES STATUS - GUJARAT

Annexure-C

SL NO	Name of Power line/Route	Date of Registration	Power Authority	Defence NOC Date	Correspondance for IV (CEA/ SEA)	CEA Remarks
1	400 KV LILO to 400 KV Veloda S/S from 400 KV Vadavi- Zerda Line	22.11.17	GETCO,Deesa	939/ 20.02.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	Railway awaited
2	220 KV D/C Radhanpur-sankhari(Veloda) line on D/C tower with D/C AL-59 Conductor	26.03.18	GETCO,Deesa	1087/31.07.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	Proposal awaited
3	220 KV D/C Gavasad - Bhayali Line	31.03.18	GETCO,Jambuva	1076 /01.08.18	Reminder dtd 27.11.20 Reminder dtd 07.01.22	Railway awaited
4	220 KV D/C Choraniya - Salejda line with AL-59 conductor	14.09.18	GETCO,Limbdi	1294/07.02.19		Issued on 17.08.20

5	400KV D/C Kalawad-Bhogat Line	02.09.20	GETCO,Jamnagar	2130/ 07.12.20	Forward letter dtd 17.10.20, Reminder dtd 27.11.20 Reminder dtd 07.01.22	Railway awaited
6	220KV Ambheta-Devdha TSS Line	02.09.20	GETCO,Navsari	2129/ 07.12.20	Reminder dtd 07.01.22	Railway awaited
7	220KV D/C LILO Mera from Tharad- Deodar Line on M/C tower with AI-59 conductor having 9.88 RKM	20.12.21	GETCO,Deesa	2613/ 16.12.21		Railway awaited
8	220KV D/C LILO Bhildi from Kansari- Deodar Line on M/C tower with AI-59 conductor having 2.59 RKM	20.12.21	GETCO,Deesa	2614/ 16.12.21		Under process
9	220KV D/C Tower line with ACSR Zebra conductor from 220KV Kapadwanj (GETCO) S/S to proposed Mahemdabad TSS (NHSRCL)	30.03.22	GETCO,Nadiad			Proposal awaited
10	220KV D/C Line from Pirana S/S to proposed 220KV Barejadi S/S	30.03.22	GETCO,Nadiad			Proposal awaited
11	• 220kv LILO of both circuit of 220 kV Bhimasar-Charadava line at 220 kV Vankada (Nichimandal)S/S on D/C + M/C tower	13.04.22	GETCO,Rajkot			Provisional IV issued on 13.06.22

Long pendency of OPTCL 132 kV cases

Background: In the 107th CLPTCC meeting, BSNL raised the issue of long pendency of 132 kV PTCC cases of OPTCL and it was informed that cases are pending due to non-receipt of NOC from East Coast Railway (ECR). In the 108th CLPTCC, Joint Director (Telecom), Railway Board stated that long pending cases will be resolved at the earliest. In the 109th CLPTCC meeting, there was no representation from Railway. OPTCL informed that ECR is yet to issue NOC. It was decided that OPTCL would furnish the details of PTCC cases pending with railway to CEA and CEA would take up the matter with Railway Board.

In the 110th CLPTCC meeting, OPTCL representative informed that reports were awaited from Railways. OPTCL further informed that it had already written a letter to CEA to which CEA informed that it did not receive the same.

It was decided that OPTCL would furnish the details over email to CEA for follow-up with Railway Board.

CEA: No details received from OPTCL.

BSNL: Huge numbers of cases are pending for OPTCL in Odisha due to either pending of Railways or pendency for IV Calculation. All the pending cases and reasons thereof are well communicated to CEA, SEB & BSNL CFA for early disposition of the cases. No updates are available regarding the actions initiated.

OPTCL may update.