

**Central Electricity Authority  
Power Communication Development Division**

**Minutes of 102<sup>nd</sup> Central PTCC meeting held in  
Gangtok, Sikkim on 27<sup>th</sup> May, 2016**

The 102<sup>nd</sup> Central PTCC meeting was held in Gangtok, Sikkim on 27<sup>th</sup> May 2016. The meeting was hosted by Power Grid Corporation of India Limited (PGCIL), ER-II. The lighting lamp ceremony was performed by Shri Naresh Bhandari, Chief Engineer, CEA & Chairman of CLPTCC, Shri TN Shukla, Chief General Manager, BSNL, Inspection Circle, Jabalpur & Co-chairman, CLPTCC, Shri RP Pandey, Director (PTCC), CEA & Secretary (Power), CLPTCC, Shri Arvind Bajaj, General Manager (North), BSNL and Shri AK Rohtagi, Addl. GM, PGCIL, ER-II. The meeting was attended by dignitaries from BSNL, CEA, Railways, Defense and State/Central Power Utilities.

The list of participants is enclosed at **Annexure**.

While inaugurating the meeting, Shri Naresh Bhandari, Chief Engineer, CEA & Chairman of CLPTCC welcomed Shri TN Shukla, CGM, BSNL, Jabalpur & Co-chairman CLPTCC, Shri Arvind Bajaj, GM, BSNL and Shri AK Rohtagi, Addl. GM, PGCIL, ER-II. He thanked Shri Rohtagi and his team who hosted the meeting and made nice arrangements. He welcomed the participants to Gangtok which is full of natural beauty and was established as a Buddhist pilgrimage site in the 1840s.

He further stated that PTCC was constituted by the Government of India way back in 1949, immediately after independence, with the sole objective to ensure the safety of telecommunication equipment and lives of personnel working in the close vicinity of power transmission lines. It is a coordination forum. Since its formation, the Central PTCC has been playing a vital role in facilitating PTCC route approval for the expansion of networks of Power and Telecommunications. The role of Central PTCC has considerably been enhanced due to the manifold increase in telecom installations and increase in demand for Power - both by the industry as well as by households. In spite of the growing number of cases and other constraints, he was glad to say that the PTCC cases are processed and granted approval without unwarranted delays. He placed on record that there has not been a single case of power line whose charging got delayed due to PTCC. He thanked all four DETs of BSNL for extending full support. He further informed that at present there is no pending case in CEA. The cases are pending for want of information from either BSNL, Railways, Defense or power authority.

Sh. Bhandari further stated that Power Sector in India is growing rapidly. Recently, there has been a paradigm shift in power generation from conventional sources to non-conventional sources like solar and wind. Govt. of India has an ambitious plan to set up wind and solar generation and therefore the commensurate transmission capacity is also required to be in place; which in turn means an increase in requirement of PTCC route approval. During 12<sup>th</sup> plan, around 1 lakh AC circuit KM of transmission lines are estimated to be added and so far around 80,000 ckt KM has been added. It means that in the remaining 10 months, efforts would be made to add a balance around 20,000 ckt KM. He congratulated BSNL for launching PTCC portal. Though there are some issues, but he hoped these teething troubles would vanish with time. At last, he wished that Central PTCC meeting would take decisions and resolve issues brought out in agenda.

Shri Shukla, while welcoming the participants, said that Power and Communication now a days are not luxury but necessity. Government of India have launched a large number of Power & Telecommunication Projects to reach out to people located at every nook and corner of the country. Now a days, Data communication has become the need of the hour. Power is required by all and therefore Government of India has started emphasizing non-conventional energy sources like Solar, Wind Power, etc. He stated that whether electricity

reaches first or the communication; but human safety is of prime importance. For that, coordination between telecom and power sectors is required. With opening up of communication and power sectors, many new private players have come up. Defense and Railway sectors are so far secured. He stated that PTCC responsibility is large since it involves coordination between four sectors – Power, Telecom, Railways and Defense. He thanked CEA for timely issuing of induced voltage calculation.

He informed that Online portal service has already been started, though there are some teething troubles, but would be sorted out in due course. The portal is being monitored by Project Monitoring Group (PMG) of Cabinet Secretariat; and therefore no laxity is desirable by any organization. He hoped that this meeting will resolve complex cases and will be very useful. He further added that since last CLPTCC meeting things have become fast and when online portal will become operationally friendly then things would be faster. He requested serious deliberations on all issues.

Shri Pandey welcomed Shri Bhandari, Chairman CLPTCC, Shri Shukla, Co-chairman, CLPTCC, Shri Bajaj, GM, BSNL, Shri Kazzi, Chief Engineer, Sikkim Power Department and Shri AK Rohtagi, Addl. GM, PGCIL, ER-II and all the delegates assembled from different parts of the country for the meeting. He expressed warm thanks to senior officers of PGCIL, ER-II for hosting the meeting and also PGCIL team for making elaborate arrangements for smooth conduct of meeting. He further informed that during the financial year 2015-16, two Central PTCC meetings viz. 100<sup>th</sup> Central PTCC meeting on 26<sup>th</sup> May 2015 at Chandigarh and 101<sup>st</sup> Central PTCC Meeting on 9<sup>th</sup> October 2015 at New Delhi were held. During the year 2015-16, 135 nos. new cases of EHV power lines (220 kV and above) were received for processing of PTCC route approval. During this period, 122 PTCC proposals were processed and Induced Voltage comments were forwarded to BSNL, Railway for issuing the necessary PTCC route approvals. It included about 3530 Circuit KMs of 220 kV lines, about 5007 Circuit KMs of 400 kV lines about 3132 Circuit KMs of 765 kV lines.

Shri Arvind Bajaj, General Manager (North), BSNL warmly welcomed all the participants and explained about PTCC portal. He informed that in the times to come PTCC portal would be very useful and requested all stakeholders to start utilizing this facility.

Shri Rohtagi, Addl. GM, PGCIL, ER-II welcomed Shri Naresh Bhandari, Chairman of CLPTCC, Shri TN Shukla, Co-chairman, CLPTCC, Shri RP Pandey, Director (PTCC), CEA, & Secretary (Power), CLPTCC, Shri Arvind Bajaj, General Manager (North), BSNL, and all the delegates. He wished all the participants pleasant stay in Gangtok.

## **A. Confirmation of Minutes of previous meeting**

The Minutes of the 101<sup>st</sup> Central PTCC meeting held in New Delhi on 9<sup>th</sup> October 2015 were taken up for confirmation and all the members confirmed the minutes.

## **B. Follow up action on decisions taken in the previous CLPTCC meeting**

### **B.1 Ensuring 'Zero Level' on unguarded power crossings**

All DETs (PTCC), BSNL informed that there were no unguarded power crossings in their respective zones. It was decided that all DETs would keep watch and if any unguarded power crossing case comes to their knowledge, they shall take suitable measures to guard the power crossing at the earliest. DETs may also inform CEA, if required. DETs shall update the status in next CLPTCC meeting.

**(Action by: All DETs, BSNL)**

### **B.2 Computerization of PTCC Route Approval Process**

To improve PTCC online portal, views of stakeholders were sought. APTRANSCO informed that they were not able to upload the complete proposal in the PTCC portal, only covering note could

be uploaded. RRVPNL informed about difficulties being faced in operating the portal and suggested that a workshop should be organized by BSNL for state power utilities in every State. OPTCL also raised the same issue and suggested for workshop in their State also. Railway representative also showed inability in operating the portal. Representative from ITPC, BSNL, Hyderabad stated that currently pdf format documents up to 5 MB size can be uploaded, except Topo Map.

CEA referred to 'Software User Documentation for PTCC Portal' issued by BSNL in January, 2016. First para at page-3 states submission of proposals along with maps for PTCC clearance. However, maps uploading facility has so far not been activated. CEA stated that Maps are like heart of PTCC proposal and without this online portal would only help in keeping track of the documents. BSNL was requested to address this issue expeditiously so that dependency of postal services is removed. Referring para-8.1 at page-8, where it is mentioned that at present private power authorities are not given any privilege to access this tool, CEA requested BSNL to clarify time limit for this. Referring para-3.4.1 at page-126 where it is mentioned that only CEA is authorized to register cases for 220kV and above lines of Private Power Authorities, CEA expressed its difficulties in implementing this. For example, information like details of concerned SDE (Telecom) and Railway zone tracks, which are within 8 KM periphery of the proposed power line are not known to CEA. Such information is available with the concerned power authority. CEA stated that uploading is a crucial activity and the responsibility of uploading of PTCC proposal should lie with the concerned power authority, they may seek assistance from anyone. It is similar to filing of income tax return where the responsibility lies with Tax Payer only. CEA informed that probably BSNL in this regard has taken strength from clause 6.15 at page-21 of PTCC Manual. CEA clarified that processing of PTCC case of Private parties could still be done in CEA as far as checking of MOU/Agreement between Private parties and Central/State power transmission utilities is concerned; but it does not lead to responsibility of uploading of complete PTCC proposal.

Representative from ITPC, BSNL, Hyderabad stated that in Version-2 of BSNL online portal, the private parties would be given privilege in the software tool for initiation of the power line PTCC proposal including uploading of documents, but their authenticity / genuineness will be verified by the CEA before they initiate the proposal.

Besides above, CEA informed that it has been observed that the Server response time is large and it takes more time to open the file. No provision of giving remarks on the information received in CEA, has been observed, for example, if CEA wishes to give remark that Topomap has been received but markings are not proper. At present, CEA is also not able to upload IV comments on the portal.

Director (PTCC), CEA stated that computation of IV comments depends on complete information from Power, BSNL, Railways and Defense. In case, any one is missing, the case can't be processed. Therefore, there should be provision in Portal to indicate the reason why case is pending in CEA.

Shri K. Raji Reddy, JTO, A/T, BSNL, Hyderabad explained that currently there is limitation of file size of 5MB in PTCC portal, and they are proposing to enhance it to 25 MB in near future.

CGM, BSNL, Jabalpur stated that concerns of all stakeholders including CEA would be addressed in due course. He agreed with the proposal of Workshops and instructed all DETs to coordinate with states under their Region and fixup the schedule for holding interactive Workshops inviting of members from Power, Railway, Defense and BSNL. He also instructed Shri Shivam Bansal, SDE, BSNL Northern Region to coordinate with CEA and resolve some of their portal related operational issues.

**(Action by: All DETs, BSNL)**

### **B.3 SLPTCC meetings**

In the last meeting, it was decided that SDE (PTCC) of the respective circles shall keep informed CEA regarding defaulting power utilities for not holding SLPTCC meetings so that CEA could take up the matter with such utilities.

All DETs (PTCC), BSNL have provided information and it was observed that SLPTCC meetings are being held regularly except Haryana, Punjab and UP (East & West) in Northern region.

In regard to State Level PTCC, CEA referred page-157 of PTCC Manual where constitution of SLPTCC is given. In line with CLPTCC, SLPTCC has also GM (Telecom) of concerned Telecom Circle, BSNL and Chief Engineer (Transmission) of concerned SEB's/State Power Transmission Corporation as Chairman in alternate years.

It was decided that year wise roaster for conducting SLPTCC meetings should be prepared jointly by concerned BSNL and Power authority in the State and who so ever is responsible for holding quarterly SLPTCC meetings in that particular year, should convene the meetings. In case the roaster is not followed and SLPTCC meetings are not convened then the other authority either BSNL or Power would take up the matter with the concerned authority, if required by writing 2-3 letters. In case even then there is no outcome and SLPTCC meetings are not convened then the matter should be brought to the notice of BSNL/Jabalpur and CEA. The matter should also be brought to CLPTCC forum.

**(Action: State BSNL / State Power Authority)**

### **B.4 Nomination of members from DISCOMs for SLPTCC meetings**

DETs (PTCC), BSNL, Eastern, Western, Southern & Northern Region have provided information on this issue and it was observed that nomination of members from DISCOMs for SLPTCC meetings are being received. However, it was decided that in case nominations from some DISCOMs remain pending then GM (Telecom Circle), BSNL of the respective states should take up the matter with those DISCOMs, if required by writing 2-3 letters. In the absence of response, the matter should be brought to the knowledge of CEA with copies of previous communications.

**(Action: State BSNL / CEA)**

### **B.5 Non submission of PTCC proposal of SLPTCC/CLPTCC by PTCUL**

#### **(i) Charging of transmission lines without PTCC Route Approval**

DET, PTCC, BSNL, Northern Region informed that out of thirteen cases, RAC has been issued for one case. Twelve cases are under process with concerned SDEs (PTCC), BSNL for marking of their telecom details.

**(Action: DET, BSNL, Northern Region)**

#### **(ii) Other cases of non-submission of PTCC Proposals**

DET, BSNL, PTCC, Northern Region informed that Haryana, UP, HP, J&K and DISCOMs of Delhi are not submitting the power proposals for PTCC clearance.

The matter was deliberated and it was observed that BSNL may find out if any power authority is charging their lines without PTCC clearance. If so, BSNL may communicate CEA the details of such lines. CEA shall take up the matter with concerned state's Secretary (Energy); as has been done earlier.

**(Action: BSNL, CEA)**

## **B.6 Alternate Protection in place of GD Tubes:**

GD tube protection is required for affected Telecom cable. In 100<sup>th</sup> CLPTCC meeting, BSNL had informed that their field units are facing difficulty in mounting a lot of GD tubes in shorter span of underground cable. After detailed deliberations, it was decided that a Sub-Committee comprising of representatives from PGCIL / State Power Utilities, BSNL and CEA may be formed, for arriving at a solution for protection to telecom assets. The Committee comprises Sh. V Ganesan DGM NT, Inspection Circle, Chennai, as Convener; Sh. Naresh Bhandari, Director (PTCC), CEA, and Sh. S Balakumar, Chief Manager, Powergrid, Vadodara, as Members.

The Sub-Committee Members had discussion on 29.09.2015 at Chennai. It was noted that in case number of locations of GD tubes as recommended in PTCC Manual 2010 is more than two i.e. at MDF (Main Distribution Frame) and Pillar only then difficulties are being experienced and one of the options is to erect dummy pillars to provide GD tubes. Various other options like change of copper cable with OFC, re-routing of telecom cable, shifting of power line in the affected span, earthing of screen of PIJF cable at an interval of 50 m etc. were discussed. At the end of the meeting, it was agreed that one member from Railways, preferably from RDSO (Research Designs & Standards Organization), and one member from TEC (Telecommunication Engineering Centre), DOT, preferably from RTEC (SR), Bengaluru, may be co-opted. BSNL was also requested to collect following information:

- (i) Withstand capability of metallic screen of PIJF cable in respect of electromagnetic induction occurring from faulty power line.
- (ii) What would be extent of electromagnetic induction passing through the metallic screen of PIJF cable?
- (iii) To confirm that screening factor of 0.5 from PIJF cable is on account of outer screening in the PIJF cable, relevant to the enclosed telecom copper conductor.
- (iv) Induced Voltage withstand capability of Telecom Copper Conductor.
- (v) Technical specification and diagram of GD tubes and IPM.
- (vi) Technical Specification and cross-section of PIJF cable being used in BSNL.
- (vii) Recommendations of TEC, DOT, on how to tackle high induced voltage on underground PIJF cable.

The details of nominated members from RDSO and RTEC (SR) have now been received.

The matter was discussed and it was decided that BSNL would information pertaining to above stated points to all the members of the Sub-Committee. BSNL may also convene meeting to discuss and resolve the issue. CEA stated that since it is a safety related matter, it should be expedited, as one year has already elapsed. CGM, Inspection Circle, BSNL instructed DGM, BSNL, Chennai to quickly take up the issue and resolve it by 31<sup>st</sup> July 2016.

**(Action: BSNL Ins. & QA Circle, Chennai)**

## **B.7 Kerala SEB case regarding EPR values**

In the last meeting, matter in respect of EPR values for 220kV line from 400kV Mannukad substation to 220kV Kanjikkode substation was deliberated. BSNL brought out agenda for fixing of limits for EPR zone values. it was decided in the last meeting that a Sub-Committee be formed consisting of members from Railway, Power Grid, BSNL and CEA to resolve the issue.

The Sub-Committee had discussions on 25/04/16 & 09/05/16. The Sub-Committee recommended that for calculation of EPR zone distance, single phase to ground (SLG) fault current should be considered. The Sub-Committee noted the similar views from Western Region Power Transmission Utilities, expressed during SLPTCC meeting, as intimated by DET, BSNL, Western Region.

**CLPTCC endorsed the decision of Sub-Committee that Single Line to Ground (SLG) Fault Current shall be considered by the Power Authority to calculate Earth Potential Rise (EPR) Zone Distance (in meter).**

**Item closed**

### **B.8 Nomination of Member (POWER) from APTRANSCO and TSTRANSCO**

In the last meeting, it was informed that due to recent bifurcation of Andhra Pradesh State into two States as Telangana and Andhra Pradesh, two separate Electricity utilities are functioning as APTRANSCO and TSTRANSCO with headquarters at Hyderabad. From Andhra Pradesh, proposals for clearance of EHT (Extra High Tension) lines are being submitted by Chief Engineers of APTRANSCO from Hyderabad i.e. Chief Engineer 400 KV SS, Chief Engineer Lift Irrigation, Chief Engineer Construction-I, Chief Engineer Construction-II, etc. The proposals from TSTRANSCO are being submitted by Chief Engineer, TSTRANSCO/Hyderabad. It was suggested that a nodal officer may be nominated as Member (Power), SLPTCC from each Utility, authorizing them to forward and process all the Power line PTCC cases for better coordination.

CEA informed that nominations from APTRANSCO and TSTRANSCO have been received and communicated to BSNL.

**Item closed**

### **B.9 Non-submission of proposal / telecommunication details from Defense**

It was informed by Defense representative in the last meeting that all long route telecom cables of Defense are OFC. However, garrison areas have U/G copper cable. Defense representative confirmed that marking of Defense Telecom circuits on the topo maps will be done, if power proposals are sent by power transmission utilities.

Therefore, Power proposals are being sent to Director General (Signals), Defense, Army Head Quarters, New Delhi, by power transmission utilities. CEA confirmed that replies from Defense are being received; but sometimes they are late. Defense representative informed that to expedite PTCC clearance, it has been decided to decentralize the process and form region-wise control centers and the details in this regard would be communicated soon.

**(Action: Defense Authority)**

### **B.10 Pending Energization Certificate – Kerala SEB Transmission Line**

The energization certificate for 220kV D/C line from **220kV SS Pothencode to 220kV SS Kattakkada is pending from BSNL side.** In the last meeting, CGM, Inspection Circle, Jabalpur stated that this issue would be taken up with field office of BSNL at Chennai for early issue of energization certificate.

BSNL informed that 220kV D/C line from 220kV SS Pothencode to 220kV SS Kattakkada, RAC issued on 01/05/2015 by DET, PTCC, BSNL, Chennai. He further informed that energization Approval is pending from Kerala Circle. The matter was also discussed in the last SLPTCC meeting. TVM SSA to raise Demand Note for Protection Work. SDE (PTCC) Inspection & QA Circle of Trivandrum visited SDE (PTCC) TVM SSA on 27/04/2016 and constantly pursuing the case. It was intimated by BSNL of Trivandrum SSA that some pillars recommended for protection in the RAC are not matching with existing pillars in Pothencode and hence they will be giving revised telecom details in fresh map for further process.

CLPTCC discussed the issue and opined that delay in Energization Approval demoralizes Power Utilities and purpose of issuing RAC is also defeated. As in this case, there has been delay of more than one year in issuing Energization Approval. CEA proposed that after issue of RAC, if power authority, based on demand note issued by BSNL, deposit required payment then power authority

should be allowed to charge the line. Issue of Energization approval is internal matter of BSNL and for that power authority should not suffer. Otherwise also, for cases where induced voltage falls in the range 430 V to 650 V and protection cost is to be borne by BSNL, power authority charge its line without wait for Energization approval from BSNL.

CEA also proposed that when demand note is raised by BSNL or Railways or Defense; and the power authority deposits the required amount then it becomes incumbent for the receiver – in this case BSNL or Railways to furnish Utilization Certificate for the amount received. CGM agreed with the proposal and opined that instead of asking for past details, this process could be commenced from year 2016 onwards. It was also agreed that this would be standing Agenda in every CLPTCC meeting.

**(Action: BSNL, Railways, Defense)**

## **B.11 Agenda received from DMRC (Delhi Metro Rail Corporation Limited)**

### **1. Calculation of Induced voltages**

In the last meeting, DMRC stated that it has trained officers for the calculation of induced voltage. DMRC desired that it should be authorized for Induced Voltage calculations for DMRC cases pertaining to route approval.

CLPTCC accepted the proposal of DMRC for calculation of induced voltage below 220kV by DMRC itself.

**Item closed**

### **2. Waiver from PTCC clearance for underground section (Tunnel)**

In the last meeting, DMRC stated that for underground section of DMRC, since tunnel is isolated with concrete structure shielded and ground at regular intervals, there is no chance of any effect of induced voltages on telecom cables. DMRC proposed that in such cases PTCC route approval and clearance should not be mandatory.

To deliberate this issue and few other aspects, a Sub-Committee was formed who deliberated the matter and decided that DMRC may follow normal procedure of induced voltage calculation based on PTCC norms and make efforts to measure induced voltage over telecom cable due to faulty power cable located inside the concrete structure.

CLPTCC agreed with Sub-Committee decision that DMRC should find out a method to measure induced voltage over telecom cable due to faulty power cable located inside the in the concrete tunnel/structure. As DMRC presently not in a position to find out technology/method/tool to measure induced voltage over telecom cable inside the concrete tunnel/structure, it was decided that this agenda may be closed temporarily; and whenever DMRC wants to raise this issue they may bring this as agenda item.

**Item closed**

## **B.12 Fixing of EPR zone limits - DET, Chennai, BSNL**

During last CLPTCC meeting, BSNL informed that the magnitude of EPR (Earth Potential Rise) hazard zone (theoretical value) for some new substations furnished by Power authorities are extremely high, i.e. up to nearly 5 KM, which needs re-engineering of already existing telecom assets in this zone; and this may not be practically feasible in all cases. Also, it may prevent installation/expansion of any Telecom assets in this zone in future. Hence BSNL opined that a limit may be fixed for this hazard zone of the substation while designing the earth mat of the substation, as in the

case of induction values limited to 2000 volts. To look into the matter, it was decided to form a Sub-Committee consisting of members from CEA, BSNL, PGCIL and Railways.

This issue has already been covered in B.7

**Item closed**

### **C. New Agenda points**

#### **C.1 Agenda received from Kerala State Electricity Board Limited**

KSEB Ltd. had sought status of following lines from CEA:

<b>S. NO.</b>	<b>CEA CASE NO.</b>	<b>CASE NAME</b>	<b>CEA STATUS</b>
1	KER-325	220 kV D/C line from Pothencode-Kattakade line	IV comments issued
2	KER-323	220kV M/C line from Katta kada-Balaramapuram-Vizhiriam	BSNL, Defense and Railway details are awaited
3	KER 321	220 KV M/C line from 400 kV S/S Mannukad-220 kV S/S Kanjikode	IV comments issued. BSNL is to respond in regard to revised EPR submitted by KSEB Ltd.

The above status has already been communicated to KSEB Ltd.

**Item closed**

#### **C.2 Issue of RAC without information to CEA**

Director (PTCC), CEA informed that few PTCC cases of KPTCL were pending in CEA and when the matter was taken up with KPTCL, they informed that RAC & Energization Approval to some of them have already been issued. It was found that DET, BSNL, Southern Region had issued RAC in some cases without involvement of CEA.

DGM, BSNL, Chennai stated that RACs for the cases referred in the Annex-XII by CEA have been issued by DE, PTCC based on the IV calculation given by concerned SEB only. This has got reference to CEA letter no. Telecom/1/98-PTCC/3227 dated 12/11/1998 authorizing them to do IV calculation for 220kV lines also. As per latest instruction received from CEA vide letter no. CEA/LD&T/1/PTCC/2013-723 dated 10/09/2014, BSNL telecom details are being sent to CEA only for IV calculation. RACs are being issued only after receipt of comments from CEA. In this regard, CEA pointed out page-70 of the Agenda where KPTCL has informed that for 220kV SC line from existing 220/110kV Alipur station to proposed 400/220kV Kudatini (BTPS) station, DET, BSNL, Chennai has issued RAC no. SR-PTCC/KNK/2473/31 dated 21/03/2015 and Energization certificate vide EA no. PTCC/4-1/01/2004/F-917P/6 dated 17/04/2015. This establishes that even after 10/09/2014, RAC has been issued without CEA's IV comments.

Director (PTCC), CEA stated that all 220kV and above power proposals are sent by Power Authorities to CEA for induced voltage comments. In such situation the case is registered in CEA and is kept pending for want of other details from BSNL, Railway and Defense. If the case is directly approved by BSNL, it remains pending at CEA side. As per PTCC norms, for 220kV and above power line, DET PTCC BSNL cannot issue PTCC Route Approval certificate without obtaining CEA's comments.

CLPTCC decided that DETs, PTCC, BSNL should not issue RAC in future without obtaining Induced Voltage comments from CEA. DETs, BSNL should also ensure that RAC are sent to CEA. CGM, BSNL informed that with Online PTCC Portal, RAC can't be issued without CEA's comments so in future such issues might not arise.

**Item closed**



### C.3 Issue of Undertaking – PTCC Route Approval for HVDC lines

CLPTCC has already decided that for PTCC route approval for HVDC lines, induced voltage calculations is not required. However, an undertaking is to be furnished by the concerned Power Authority that in case of any occurrence of incident on telecom circuits due to said HVDC line, the power authority shall be responsible for all damages caused, if any, etc.

CEA explained that HVDC lines are long lines ranging from 2000 – 3000 KM and are normally interstate/inter-regional lines involving DETs, PTCC, BSNL of more than one region. Also, HVDC lines are divided in various packages of say 200 KM each. Whenever any package work gets completed, the concerned vendor approach for its PTCC clearance. Such issues are posing difficulty in finalizing PTCC clearance for complete HVDC line. It is therefore proposed that before finalization of Undertaking, a meeting may be convened by the concerned power authority involving concerned DET, BSNL and CEA at respective HVDC station. So that Undertaking is finalized and PTCC route approval is expedited. With this, CEA will also have the record of PTCC route approval of HVDC lines. In this regard, a meeting was held at Kurukshetra HVDC terminal for Champa-Kurukshetra HVDC line.

CLPTCC agreed with CEA's proposal

**Item closed**

### C.4 Agenda received from Rajasthan Rajya Vidyut Prasaran Nigam Limited

RRVNL sought status of following lines from CEA:

S. No.	CEA Case No.	Name of line	CEA status
1.	RAJ-566	220KV D/C Rajgarh (Chhodiya)-Akal. Line	BSNL & Defense awaited
2.	RAJ-567	220kV LILO to Goner from one ckt. of Jaipur (South)-Chaksu line	Defense awaited
3	RAJ-565	Revised 220KV D/C Phulera-Phulera(DFCC's TSS) line.	Defense awaited
4	RAJ-560	220KV LILO to Badsid from Bap - Bhadla line.	I.V. issued on 13.04.2016
5	RAJ-568	220 KV D/C JPR (North)-Manoharpur and extending line upto LILO pt. of VKIA-Kulas line.	I.V. issued on 09.05.2016
6.	RAJ-572	220KV LILO to Amarsagar from one ckt. Ramgarh –Dechu line.	I.V. issued on 29.04.2016
7.	RAJ-573	220 KV S/C Morak Bhawanimandi line	Defense Awaited
8.	RAJ-550	Shifting of 220 KV Ratnagarh –STPS line passing through proposed 2X660 MW unit no.7&8 of STPS	BSNL & Defense awaited

CEA has already communicated above status to RRVNL

**Item closed**

### C.5 Agenda received from Madhya Pradesh Power Transmission Company Limited

MPPTCL sought status of following lines from CEA:

S. No.	Name of line	CEA Case No.	CEA status
1	LILO of one ckt of 220kV DCDS Bhopal - Bina line at s/s Ganjbasoda	MP- 390	IV comments issued on 29/12/15

2	LILO of one ckt from Rewa 220kV s/s to Bansagar-I (Tons) HPS DCDS line at proposed 220kV Sirmour s/s	MP-396	Defense details awaited
3	220kV DCSS line from Chichli 220Kv s/s to proposed 220kV s/s Udaipura	MP-397	BSNL & Defense details awaited
4	220kV D/C line for LILO of one ckt of Badod – Bhanpura/Modak line at 220/132kV s/s of Wind energy Generation project of M/s Marut Shakti Energy India Ltd.	MP-399	BSNL & Defense details awaited
5	220kV DCDS line from 220kV s/s Shajapur to proposed 200MW Wind power plant of M/s Inox Wind Infrastructure Services Ltd. Noida	MP-401	BSNL & Defense details awaited
6	220kV DCSS line from 220kV s/s Shujalpur to 132kV Narsingharh	MP-404	BSNL & Defense details awaited
7	LILO of both ckts of 220kV DCDS Nagda – Ratlam line at proposed 220kV switching s/s for M/s Kshema power & Infra Co. Pvt Ltd & Raj Multitraders Pvt. Ltd.	MP-402	Defense details awaited
8	220kV DCDS line from 220kV Rajgarh (Dhar) to 100MW Wind Energy power project of M/s Clean India Wind Power Pvt. Ltd. at Badnawar District.	MP-403	BSNL, Railway & Defense details awaited

CEA has already communicated above status to MPPTCL

**Item closed**

### C.6 Pending PTCC Cases in Eastern Region

DET, BSNL, Eastern Region informed that following 19 nos. PTCC cases are pending with CEA:

S. No.	CEA case no	ROUTE_NAME	Remarks of DET	CEA Comments
1		220 KV LILO LINE AT NAMRUP FROM TINSUKIA TO NTPS EXISTING LINE	Sent to CEA ON 26.03.2016	Case not registered in CEA
2	JHR-32	400KV DC LINE FROM LATEHAR TO PATRTU	Sent to CEA ON 16.03.2016	IV Comments sent on 22/04/16
3	JHR-35	220KV DC LINE FROM GOBINDPUR TO DUMKA	Sent to CEA ON 16.03.2016	Pending due to Defense
4	JHR-41	400KV DC LINE FROM KHARAGPUR TO CHAIBASA	Sent to CEA ON 30.03.2016	IV Comments sent on 03/05/16
5	WB-111	400KV DC LINE FROM LATEHAR(ESSAR) TO LATEHAR(JSEB)	Sent to CEA ON 22.02.2016	Railway Details awaited
6	JHR-36	200KV DC LINE FROM TTPS TP GOVINDPUR SS	Sent to CEA ON 16.03.2016	Defense details awaited
7	JHR-31	400KV DC LINE FROM PATRATU TO BERO	Sent to CEA ON 22.02.2016	Defense details awaited
8	JHR-38	220KV DC LINE FROM GOLA TO RANCHI SS	Sent to CEA ON 16.03.2016	Defense details awaited
9	JHR-40	220 KV D/C 3 PHASE CHANDRAPURA (CTPS) OF DVC TO MAIN RECEIVING STATION OF BSL (SAIL)	Sent to CEA ON 12.04.2016	Railway and Defense Details awaited
10	JHR-42	400KV DC LINE FROM PURULIA TO RANCHI TRANSMISSION LINE	Sent to CEA ON 11.04.2016	BSNL Details awaited
11	ORS-172	220KV DC LINE PARADIP TO MRSS AT M/S ESSAR STEEL LTD.	Sent to CEA ON 11.02.2012	IV Comments sent on 04/03/14

12	ORS-177	220KV LILO LINE ON DC TOWER FROM BUDHIPADA-TARKHERA LINE TO PROPOSED 220/132/33KV SS KUANRMUNDA	Sent to CEA ON 10.12.2013	IV Comments sent on 09/05/14
13	ORS-204	765KV DC TRANS LINE FROM ANGUL TO JHARSUGUDA	Sent to CEA ON 27.02.2016	BSNL and Defense Details awaited
14	CHH-58	765KV DC LINE FROM JHARSUGUDA PS TO DHARAMJAYGARH EAST COAST NCC POWER PROJECT	Sent to CEA ON 27.02.2016	BSNL details not received. Railway details also pending.
15	ORS-196	765KV DC TRANS LINE FROM ANGUL PS- SRIKAKULAM PS	Sent to CEA ON 31.10.2015	Defense details awaited
16	WB-110	220 KV DC TRANS. LINE FROM DOMJUR TO HOWRAH	Sent to CEA ON 02.05.2013	IV Comments sent on 24/9/13
17	WB-117	LILO LINE OF 400 KV SUBHASHGAEH – JEERAT TR. LINE AT RAJGHAT GIS	Sent to CEA ON 05.02.2016	IV Comments sent on 14/3/16
18	WB-112	400KV DC TRANS. LINE FROM HALDIA TO SUBHASHGRAM	Sent to CEA ON 12.04.2016	Defense details awaited
19	SKM-03	220 KV D/C TR. LINE FROM KAGATHANG to PGCIL S/S at LEGSHIP (SAGBARI)	Sent to CEA ON 11.04.2016	Railway and Defense awaited

CEA has already communicated above status to DET, PTCC, BSNL, ER, Kolkata.

**Item closed**

#### D. Additional Agenda points

**D.1** Odisha Power Transmission Corporation Limited (OPTCL) had sought status of following lines. CEA's status is as under:

S. No.	CEA Case No.	Name of line	CEA status
1.	ORS-199	220KV D/C Benapanjari of PGCIL s/s to Puri (samangara) s/s Line	BSNL, Railway & Defense awaited
2.	ORS-203	400kv D/C line from New Duburi Grid s/s to MRSS of M/s Tata Steel Limited	BSNL, Railway & Defense awaited

**Item closed**

**D.2** Power Grid Corporation of India Limited (PGCIL), WR-II, Vadodara had sought status of following lines. CEA's status is as under:

S. No.	CEA Case No.	Name of line	CEA status
1.	GUJ- 701	220KV D/C Ringanwada – Magarwada T/L	BSNL and Defense awaited
2.	GUJ- 709	765kv Bhuj Pooling station - Banaskantha T/L	BSNL awaited
3.	GUJ- 710	400kv D/C Banaskantha – Sankheri T/L	BSNL awaited
4.	GUJ- 718	765kv D/C Banaskantha – Chittorgarh T/L	BSNL, Railway and Defense awaited
5.	MP- 400	765kv Jabalpur – Orai T/L	BSNL awaited
6.		LILO of 765kv S/C Satna – Gwalior (Ckt-I) T/L at Orai s/s	Case not registered
7.	MP- 405	LILO of existing 765kv S/C Seoni – Bina T/L at NTPC Gadawara STPS	BSNL, Railway and Defense awaited
8.	MP- 406	765kv D/C Vindhyaachal Pooling Station – Jabalpur Pooling Station	BSNL, Railway and Defense awaited

**Item closed**

Date: 27.05.2016 Time: 1000 Hrs.  
Venue: Hotel Royal Plaza, Gangtok

**102<sup>nd</sup> Central Level Power and Telecommunication Coordination Committee (CLPTCC)  
Meeting**

**LIST OF PARTICIPANTS**

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