



BHARAT SANCHAR NIGAM LIMITED

Inspection Circle Jabalpur

Minutes of the 100th Central Level PTCC meeting held at Chandigarh

on 26th May 2015

Date 23 /07/2015

The 100th Central level PTCC meeting was conducted by Inspection Circle at Chandigarh on 26th May 2015 in the conference hall of CGM Punjab Telecom Circle, Chandigarh BSNL. The meeting was chaired by Shri A. C. Mishra, Chief General Manager, Inspection Circle, Shri Prabhat Mohan, Chief Engineer LD & T, CEA, New Delhi as Co-Chairman. Shri R C Hooda, Chief General Manager, Punjab Telecom Circle Chandigarh had been kind enough to adorn the chair as Chief Guest. Smt S. Manna, Sr. G M (HQ) Inspection Circle & Secretary PTCC (Telecom) & Shri Naresh Bhandari, Director CEA & secretary PTCC (Power) also adorned the meeting. The meeting was attended by dignitaries from BSNL, CEA, Powergrid and various power utilities.

The list of participants is enclosed herewith in Annexure-A.

Shri D K Khare, AGM (MM), Inspection Circle heartily welcomed Chief Guest Shri R C Hooda, CGM, Punjab Telecom Circle, Chairman CLPTCC Shri A C Mishra, CGM, Inspection Circle, Co-Chairman CLPTCC, Shri Prabhat Mohan, Chief Engineer (LD & T), CEA, New Delhi, Secretary (Telecom) CLPTCC Smt S. Manna, Sr. G M (HQ), Inspection Circle, Secretary (Power), CLPTCC Shri Naresh Bhandari, Director (PTCC), CEA New Delhi and other officers from BSNL, Electricity Boards and other Power Utilities.

Shri D K Khare, AGM (MM), Inspection Circle invited all the dignitaries for lighting the lamp to formally inaugurate the meeting. After brief introduction from participants Smt S Manna, Secretary (Telecom) CLPTCC delivered welcome address.

In the inaugural address Smt S Manna, Sr. GM (HQ), Inspection Circle & Secretary (Telecom), CLPTCC, welcomed all the dignitaries and participants for the meeting. She stated that CPTCC is a very important forum for co-ordination among BSNL, Railway, Defence & Power and this is the forum where major decisions are taken and various issues getting resolved. She stressed the importance of attending the meeting by authorities from various departments viz, BSNL, Railways, Defence and State Electricity Boards, and expressed deep concern about no participation from Defence and Railway. She also stated that, under the able leadership and guidance of Shri A C Mishra, CGM Inspection Circle & Chairman CLPTCC and the co-operation extended by Shri Prabhat Mohan, Chief Engineer, LD & T, CEA, New Delhi, and Shri Naresh Bhandari, Director (PTCC), CEA New Delhi, many important decisions have been taken in different meetings to expedite the PTCC clearance. She welcomed all the participants for fruitful discussion in the meeting.

Shri A C Mishra, Chief General Manager, Inspection Circle & Chairman CLPTCC while addressing the meeting, welcomed Chief Guest Shri R C Hooda, CGM, Punjab Telecom Circle, and all other dignitaries and participants on the special occasion of the 100th CLPTCC meeting. He stated that the basic objective of this forum is to resolve issues related with PTCC clearance and adopt various measures for the safety of both telecom equipments and the personnel. He stated that the issues not settled in SLPTCC level should be addressed at this forum.

He expressed dissatisfaction on the issue of not conducting SLPTCC meetings at regular intervals in spite of decision taken in the previous CLPTCC meetings. Both Inspection Circle Jabalpur and CEA New

Delhi has made lot of persuasion, but still SLPTCC meetings are not being conducted in many states especially in the Eastern Region. He directed to DE (PTCC), EZ Kolkata to pursue the matter with concerned authorities to conduct the meeting as per schedule and to keep informed to Inspection Circle office Jabalpur regarding progress made in this matter. He also added that the frequency of conducting of SLPTCC meetings would be reviewed at a later stage.

Further, he expressed deep concern over the issue of energisation of power lines without PTCC approval. Though the issue was also taken up in the last CLPTCC Meeting, but various State Electricity Boards are still violating the code of PTCC practice. In Uttarkhand, 14 such cases have come up but so far only 7 cases have been referred to PTCC for regularization. He requested Co-Chairman of this meeting to take up the matter with various Electricity Boards and Ministry of Energy/Power too. He insisted that no such cases should come in future and previous such cases should be regularized at the earliest.

Next he elaborately discussed about the computerization of PTCC process which is being monitored by Cabinet Project Monitoring Group. Earlier the task of computerization of PTCC process was decided to be taken up by CEA, New Delhi with the help of NIC. But recently in the meeting with Cabinet Project Monitoring Group, this job has been assigned to BSNL, on the grounds that PTCC route approval certificates are being issued by the DET (PTCC), BSNL of the concerned region. He also briefed about various stages and implications involved in the process and the current status. The software of PTCC process shall be developed by ITPC wing of BSNL after getting clearance from BSNL CO New Delhi on various factors like allotment of funds for the project, levying of fees from the users etc.

He also expressed the need to bring private Telecom/ Power operator under purview of CLPTCC as at present they are also laying armored cables which are prone to induction from Power lines and expressed that the case would be taken up with DOT.

Regarding protection to Telecom underground cable from Power induction, he mentioned that for quite a long period G D tube had been major tool of protection of Telecom line from power induction. Now due to replacement of most of the O/H lines by u/g cables, problem is being faced in procurement and mounting of GD tubes. He intimated that a committee is being formed under Chairmanship of Shri V Ganesan DGM A/T, Inspection Circle, Chennai. Shri Prabhat Mohan, Chief Engineer LD & T, CEA, New Delhi was requested to nominate the members from CEA & Power Distribution Companies side. The committee will study the issue of protection of Telecom u/g cables in the current scenario after discussions with research organizations.

He finally thanked all the participants for attending the meeting and hoped that the deliberations on various factors during the course of the meeting would be valuable to all.

Shri Prabhat Mohan, Chief Engineer LD&T CEA New Delhi, in his address thanked the organizers of the meeting for hosting the CLPTCC. He stated that PTCC was formed by Govt. of India to ensure safety of Telecom Assets and personnel from any hazardous effects due to the Power Transmission lines. He stated that, ever since the formation of PTCC, CLPTCC had been playing a vital role and he was glad that the PTCC proposals are being cleared quickly and energisation of the lines taking place without much delay with the cooperation of the authorities concerned. He said that, due to increasing growth both in Power and Telecom Network, role of PTCC has also increased manifold. To cope up with the increasing demand in energisation of the power transmission lines, computerization of PTCC process would be the viable solution for quick disposal of the cases. He hoped that the 100th CLPTCC meeting would ensure fruitful discussions on agenda points. He once again thanked BSNL and welcomed all the participants in the meeting.

While addressing the meeting, Shri Naresh Bhandari, Director (PTCC), CEA New Delhi & Co-chairman CLPTCC thanked Shri A C Mishra, CGM Inspection Circle and Shri R C Hooda, Chief General

Manager, Punjab Telecom Circle for hosting the 100th CLPTCC meeting and for the wonderful arrangements made for the meeting. He welcomed all the participants and thanked all the delegates for having come to Chandigarh. He stated that there is a scope of further improvement in the coordination between Power and Telecom. He stated that, since he took over charge for the past 2 years, as many as a record number of 295 cases were dealt for IV computation in the year 2014-15. He cited that still few cases are pending in his office for want of either BSNL or Railway Telecom details or both.

He also mentioned that earlier, project of computerization of PTCC records was initiated by CEA with the coordination of NIC which has now been handed over to BSNL since they are the final authority to issue route approval. He iterated that computerization is the only solution to speed up the process of PTCC clearance. He stated that all State level issues are to be sorted out at State Level and only vital & unsettled issues should come up for discussion in the Central Level PTCC.

He also made remarks on the issue of charging of power lines without due approval from PTCC, though clear guidelines have already been framed by PTCC for submission of PTCC proposals for approval before charging of the lines. He stressed the need to evolve a mechanism to inform Central PTCC about power lines charged without PTCC approval, as so far only 14 cases from Uttarkhand have been reported. He also requested for inputs from Telecom authorities and assured to take up the matter at higher level.

He appreciated that the issues raised by Shri A C Mishra, CGM Inspection Circle in his address are very vital and to be taken care. He once again thanked BSNL for hosting the meeting at Chandigarh and welcomed all the participants for fruitful discussion on the agenda points.

Shri R C Hooda, CGM Punjab Telecom Circle thanked Inspection Circle for the honor given to him as the Chief Guest of the 100th CLPTCC meeting and welcomed all the participants in the meeting on behalf of Punjab Telecom Circle. He also apprised about the importance of conducting PTCC meetings at various levels and advised to make use of the decisions taken in the meetings He wished all the best for successful deliberation and conduction of meeting.

The agenda points for the meeting were taken up for discussion.

A. CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING

The Minutes of the 99th Central PTCC meeting held at Jabalpur on 27th November 2014 and circulated vide letter no. TD/LP-2015/99th CLPTCC dated 20/01/2015 were taken up for confirmation by all the members. An amendment (under Para C2.(5) in page 11) was made, that instead of CEA to give suitable instructions to PGCIL authorities to attend SLPTCC meeting before approaching CLPTCC, SLPTCC may extend invitation to PGCIL authorities to attend the SLPTCC meetings. It is not obligatory on the part of PGCIL authorities to attend the SLPTCC meeting since PGCIL falls in the domain of 220 KV lines & above and it is for them to attend the SLPTCC meeting to discuss and resolve their issues.

Then all the members confirmed the minutes.

B. FOLLOW-UP ACTION ON DECISIONS TAKEN IN THE PREVIOUS CENTRAL PTCC MEETINGS:

B.1 Ensuring 'Zero Level' on unguarded power crossings:

- (i) The cases of 2 unguarded power crossing in Noida in UP (W) which started in 2012 was pending with Chief Engineer, Meerut. DE (PTCC), BSNL New Delhi informed vide letter No. PTCC/CLPTCC meeting/2015-1 dated 25.04.2015 that Shri S Chandran, DE(PTCC) ND, Shri R P Panday, Dy. Director (CEA) , Shri R K Tiwari ,DE (OD) GMTD Gudgaon and Shri Virender, JE UPPTCL visited the site on 19.12.14 and the issue of unguarded power crossing have been resolved. The visit report already forwarded to all concerned.
- (ii) DET (PTCC) BSNL, Chennai: & DET (PTCC) BSNL, Mumbai also informed that, no case of unguarded power crossing in southern region, western region respectively.

- (iii) DET (PTCC) BSNL Kolkata: Informed that, since couple of years no report till yet received from the Telecom circles of Eastern zone. In spite of issued several reminder on dated 01.04.2014, 30.06.2014, 30.08.2014, 22.10.2014, 24.12.2014, 25.01.2015, & 20.03.2015.

The committee decided that the matter is to be discussed in the SLPTCC meetings. Since SLPTCC meetings is not at all conducted in Eastern Region , GM (South), Inspection circle is requested to take up the issue and conduct at least one meeting in each of the states in the Eastern Region and discuss the point including PTCC cases.

Action taken by Sr. G M (S)

B.2 Computerization of PTCC Route Approval Process:

- B.2.1** As per decision taken in previous meeting, work of system integration was to be taken up by CEA after MOP approval. CEA mentioned that in the meeting of Cabinet Monitoring Group the work of digitization of PTCC route approval process has been assigned to BSNL. Since BSNL issues final RAC and energisation approval. CGM Inspection Circle informed that S/W for this is being developed by ITPC wing of BSNL. This work will progress after getting clearance from CMD BSNL New Delhi on various issues like allotment of funds for the project, levying of fees from the users etc. In the first phase CLPTCC cases being monitored by Cabinet Project Monitoring Group shall be taken up. For this work flow as a tool for submitting power line proposals of 220 KV and above for PTCC clearance and monitoring of these proposals can be developed. The users for this tool will be restricted to PTCC wing of Inspection Circle, Power utility authorities like PGCIL & State Electricity Boards, CSEs of all Zonal Railways, CEA New Delhi. CEA New Delhi shall furnish the details of the power utility authorities initiating the power line proposals from each state for the purpose of creating users.

B 2.2 Collection of Legacy Data for Computerization of PTCC Route Approval Process:

Phase -I

As per decision taken in the 99th CLPTCC meeting 1st phase of collection of legacy data was to be completed before 31st January 2015 and only for Armoured cable (if any) latitude and longitude details was to be given. CEA desired that legacy data so submitted under 1st Phase need to be certified by zonal DE (PTCC) to the effect that data is complete in all respect.

In 1st phase, Latitude & Longitude details of following BTS/Exchange has been collected & sent to CEA:

1. In Gujarat most of the SSAs submitted legacy data and in Maharashtra only few SSAs have submitted. Progress in MP and Chhatisgarh circle is NIL. This issue is being discussed in SLPTCC meeting.
2. 5360 Nodes of Exge./BTS in Tamilnadu Circle and 1460 Nodes in Kerala circle. AP Circle and Karnataka Circle have also submitted the latitude & longitude details in the month of January 2015.
3. 10629 2G & 3G BTS nodes of Telecom Circuit of Eastern zone submitted.
4. In northern zone, collection of data is under progress and matter is being pursued by GM (N) with the SSAs head to make available Lat./Long. Data at the earliest.

Although there is remarkable progress in collection of data in west zone, East zone and south zone but same is not up to the mark in North Zone.

CEA informed that these data pertain to BSNL and since BSNL now is carrying out digitization of PTCC clearance, therefore, CEA do not require these details.

Phase-II:

In the previous meeting Committee decided that all the DEs (PTCC), would nominate one member each from their respective zones and form a working group with one member from Power side. CEA will intimate the member from power side for each zone. Nodal coordinator will be the respective DGMs (A/T), Inspection circle. All the 4 working groups thus formed zone wise will discuss with Circle SSAs and come to a conclusion that , to what extent & what

details of the legacy data can be submitted and finalize the format for collection of data and the decision to be given before 31st March 2015.

From south zone Shri N.K. Ananda Rao, SDE (PTCC) Bangalore has been nominated as the co-ordination members for collection of legacy data. DE (PTCC) New Delhi along with concerned SDE/JTO PTCC met SSA head and submitted the format for legacy data requirement. Nodal officer was also nominated by SSA heads for collecting the details as per the format from all concerned divisions of the SSA.

CEA New Delhi had intimated nomination of following officers of CEA for collection of legacy data. (Phase II).

Sh. R P Panday, Dy. director (Northern Region)

Sh. K K Chauhan Dy. Director (Western Region)

Sh. M S Reddy, Assistant Director (Southern Region)

Sh. R K Tiwari, Assistant Director (Eastern and North Eastern Region)

CEA informed that collection of legacy data was envisaged to create distinct GIS layers of Power, BSNL and Railways so that with available legacy data, induced voltage could be computed without getting the marked details from BSNL and Railways. It requires large hardware and associated software and makes the project expensive. CEA opined that digitization of PTCC clearance could be attempted without creation of separate GIS layers of legacy data and under that condition collection of legacy data is not required. It is for BSNL to decide.

Chairman CLPTCC mentioned that although Committee has been formed but committee did not met so far. In view of recent development towards computerization of PTCC process activity, committee may be suspended for the time being and the same may be made active if required at later stage depending upon the requirement of computerization process.

B.3 Supply of software for calculation of Induced Voltage and related Technical guidance:

Director (PTCC), CEA informed that software has been developed in-house and further improvement is under process. Director (PTCC) CEA agreed to extend all the co-operation in training assistance in calculating IV for some official from BSNL, Power Utilities Railway etc, who may visit Director (PTCC)CEA, ND.

In consultation with the zonal DE (PTCC), the committee decided that no training on calculation of induced voltage for power lines of capacity above 33 KV need to be imparted for BSNL authorities. BSNL authorities dealing with the SLPTCC cases of 33 KV & below may seek the assistance of SEBs in case of any difficulty is faced by them in computing the IV values. **Item closed**

B.4 Arranging of SLPTCC Meetings at regular intervals.

In the previous meeting it was decided that copy of correspondence among Inspection Circle, Telecom Circle and Power utilities shall be endorsed to CEA along with agenda of SLPTCC meeting. Accordingly Director (PTCC) New Delhi would take up the matter with concerned SEBs and also depute their representative to attend the meeting. CGM Inspection Circle shall also request all CGMs of territorial circle to conduct the SLPTCC meeting regularly.

CGM inspection Circle issued DO letter to CGMs of all Territorial telecom Circle on 08/05/2015. CEA, ND also issued letter to OPTCL Bhuvaneshwar, JSEB Ranchi, ASEB Naranga Guwahati, KSEB Thiruvananthpuram, and GETCO Varoda on 05/02/2015.

DE (PTCC) New Delhi informed that regular SLPTCC meeting is conducted in Rajasthan circle and after lot of persuasion, SLPTCC meeting recently held in Punjab Circle. Haryana Circle not conducting SLPTCC meeting regularly but intimated in writing to conduct SLPTCC meeting as and when PTCC cases are available in the circle.

The other circles are not conducting SLPTCC meeting. The details have been furnished to CEA as per minutes of previous CLPTCC meeting.

DE (PTCC) Chennai informed that regular SLPTCC meeting is conducted in Tamilnadu, Kerala, AP and Karnataka Circle. As per decision taken in previous meeting, the copy of correspondences between concerned Telecom Circles and Power Authorities are being forwarded to Director (PTCC) CEA, New Delhi. During deliberation of the meeting, it was reported by member (Power) SLPTCC KSEB Trivandrum that although regular SLPTCC meeting are conducted in Kerala Circle but there is no participation of member (Telecom) SLPTCC, BSNL in the meeting. The committee decided that members (Telecom) SLPTCC should be directed to attend the meeting.

DET (PTCC) Mumbai informed that meeting are being conducted regularly in all Telecom Circle.

DET (PTCC) BSNL Kolkata informed that no SLPTCC meeting held in Eastern zone since couple of years in spite of persuasions was done several times to all Telecom circles and State power authorities. Ref. letters are (1) DET/PTCC-ER/14-15/02 dated 01.07.2014 (2) DET/PTCC-ER/14-15/03 dated 01.09.2014) In addition, DE(PTCC) ER Kolkata arranged a meeting with GM(CFA)WB along with Sr. GM(S), Inspection Circle and DGM (A/T) Kolkata on 09.02.2015 and got assurance for holding SLPTCC meeting in this regard as early as possible.

The Chairman CLPTCC directed to all zonal DE(PTCC) to issue instructions to SDEs (PTCC), Inspection Circle to follow the procedure of organizing the SLPTCC meeting, fix up the dates, prepare the agenda for the meeting and circulate to all concerned as per the procedure. DGM (A/T), Chandigarh has been instructed to take up the issue with Haryana Circle and monitor that the meeting is conducted. During deliberation Chairman CLPTCC informed that explanation needs to be called from the concerned authorities, for not conducting SLPTCC meetings in the Eastern Zone.

Copy of correspondence between Inspection Circle and concerned Telecom Circle/Power authorities along with agenda of SLPTCC meeting shall be endorsed to Director (PTCC) CEA New Delhi to further persuasion of the matter with concerned SEBs. Action taken by Sr. GM (S)/Director (PTCC) CEA ND/DGM (A/T) CHD/Zonal DE (PTCC)/ Circle SDE (PTCC)

B.5 Nomination of members from DISCOMs for SLPTCC meetings:

As per decision taken in 99th CLPTCC meeting all DE (PTCC) had to forward the list of DISCOM to CEA ND for pursuing

DE (PTCC), ND informed that the list of DISCOMs have been forwarded to CEA as per minutes of CLPTCC meeting.

DET (PTCC), Chennai informed that all the SEBs has been addressed to furnish the details of DISCOMs in their jurisdiction and the nominations from them for attending SLPTCC meeting. Reply has been received from the following SEBs.

KPTCL (Karnataka Circle) - List of nominees from five DISCOM for attending the SLPTCC meeting have been furnished.

KSEB (Kerala Circle) – Eight distribution licensees are working in Kerala in addition to KSEB.

TANTRANSCO (Tamilnadu Circle) – TANGEDCO is the only Distribution Licensee in the state and there are no DISCOMS operating in the state at present.

APTRANSCO: Two distribution licensees are working in Andhra Pradesh in addition to APTRANSCO.

TSTRANSCO: Reply yet to be received.

DET (PTCC), Mumbai informed that SLPTCC meeting in Western Zone are being attended by DISCOMs regularly

DET (PTCC), Kolkata informed that only 2 nominations were received from Powergrid (N.E.) & DVC though several times it was pursued to all power authorities.

The committee decided that Secretary/Chairman SLPTCC shall inform all the DISCOMS in their jurisdiction about the dates of the SLPTCC meetings and invite them for the meetings. CEA New Delhi will suitably direct all the DISCOMS for attending the SLPTCC meetings if there is no participation from the DISCOM.

Action taken by All DE (PTCC)/ CEA ND

B.6 Non submission of PTCC proposal of SLPTCC/CLPTCC by PTUCL:

(i) Charged CLPTCC Cases without PTCC Route Approval:

DE (PTCC) ND informed that:

(a) There were 14 cases of PTCUL which had been charged without PTCC approval. After several reminders, seven cases of PTCUL Kumaon zone have been submitted for regularization, but the cases are yet to be processed for want of Telecom/Railway details for which a reminder has been issued

(b) The seven pending cases of PTCUL Garhwal zone have been submitted by PTCUL after lot of pursuance by DE PTCC, New Delhi and directions from CEA New Delhi to get post facto route approval. Since the proposals so submitted by PTCUL were incomplete and not meeting the requirements of PTCC, the proposals were returned by DE (PTCC) New Delhi. PTCUL has not reverted back on this issue.

The committee instructed DE (PTCC), New Delhi to forward the details of the incomplete cases and the correspondences between PTCC, Delhi and PTCUL to CEA New Delhi. Chairman CLPTCC insisted that CEA New Delhi should take up this serious issue immediately with concerned ministry, as this is a gross violation of PTCC procedure. DE (PTCC), ND will also try to resolve the issues in next SLPTCC meeting and forward the status to CEA for further necessary action.

Action taken DE (PTCC) ND/CEA ND

(ii) OTHER CASES OF NON SUBMISSION OF PTCC PROPOSAL TO CLPTCC FROM POWER AUTHORITY IN NORTH ZONE:

DE (PTCC) BSNL, New Delhi stated that as per Section 160 of Electricity ACT-2003 and Section "A" (Chapter-III) of PTCC Manual- 2010. the proposals of SLPTCC & CLPTCC cases are to be submitted by the State Power Authorities.

SLPTCC Cases: Proposals of 11/33 KV S/C of Power lines are not submitted by the State Power Authorities in Northern Zone for PTCC Route Approvals.

CLPTCC Cases: Proposals of 220 KV and above Power lines are not submitted by the Power Authorities i.e. J&K. DTL-ND, UP (East), UP (West) in Northern Zone for PTCC Route Approvals. The Electrical Safety Inspector has issued Commissioning Certificate without obtaining the PTCC Route Approval. CEA ND also issued a letter to all SEBs for taking the PTCC Route Approvals as per Section 160 of Electricity Act-2003. But above Power Authorities even after the instructions from Director/CEA are not following the PTCC procedures.

As discussed in item (i) above, Chairman CLPTCC insisted that CEA New Delhi should take up this serious issue immediately with concerned ministry.

Action by CEA ND

During 98th CLPTCC meeting it was discussed that BSNL & Railways were also required to obtain PTCC approval before laying/ commissioning of their cable/line.

As per Para 1.1 of section-"C" of chapter 3 of PTCC manual 2010, and also agreed upon above by CEA, BSNL is required to seek PTCC route approval for Trunk Line and not for local access underground cable.

In 98th CLPTCC meeting it was discussed and agreed that BSNL is not required to send short length distribution cable cases for PTCC route approval as this would involve large no. of IV calculation owing to large network of underground cable spread in every nook and corner of the country,. For trunk lines, OFC unarmoured cables are used in BSNL network. However if armoured cables are used anywhere, then PTCC route approval is required.

Comments could not be gathered from Railways as no officers participated from railway. Local railway officers participated in the last CLPTCC meeting was requested to inform the concerned Railway authorities that this forum is expected to have participation from all concerned departments all over India.

It was discussed that since there is no development work being carried out in BSNL and the existing cable network is only being utilized, no cases of long distance routes are being referred to PTCC. However armored cable cases are being referred for PTCC clearance e.g. in Rajasthan, many cases have been referred. Committee decided that BSNL would seek PTCC clearance as and when armoured cable laid in local/ trunks line.

Item closed

B.7 Conversion of 230KV D/C Overhead line into 230KV D/C 1X 1200Sq. mm XLPE UG Cable:

DE (PTCC), Chennai informed that details of Conversion of 230KV D/C Overhead line into D/C 1X 1200Sq. mm XLPE UG Cable has already been forwarded by DGM (CP&MM) Chennai Telephones to CEA ND, vide letter No. DECP/PTCC Corres.2014-15 dated 01/09/2014. Further to this correspondence, all the documents required by CEA New Delhi in this case also handed over to CEA, New Delhi by DE (PTCC), Chennai for further investigation and guidance. CEA has furnished IV values, based on the document submitted by Chennai Telephones. Hence necessary corrigendum to RAC has been issued by DE (PTCC) Chennai.

Item closed

C.1 (a) Conversion of portion of existing O/H power line into U/G cable

Many proposals are being received from state electricity board seeking PTCC clearance for converting a portion of the O/H existing power line to U/G cable, due to Metro railway work or otherwise. In one such earlier case, CEA clarified that, if due protection have been considered in the original O/H line then even if part of it is converted in to U/G cable, further protection may not be required. Since this may not be applicable in all cases as there is a possibility of route change, all the SEBs may be directed to submit the proposal of such cases along with RA details of O/H line and original map marking of changed route wherein overhead portion has been converted, for quick processing of the case.

Instructions from CEA to power authorities are pending.

(b) In all such cases GD tube protection is required for affected Telecom cable. But field units are facing difficulty in mounting a lot of GD tubes in shorter span of UG cable, then alternate protection may be suggested. After detailed deliberations it was decided that a committee comprising of representatives from PGCIL, State Electricity Boards and BSNL may be formed, for arriving at a solution for protection to telecom assets in consultation with reputed Research Centre/Engg Colleges.

During deliberation, CEA agreed to issue necessary instruction to power authority with respect to item (a) above. Regarding item (b) above after discussion it has been decided to constitute a committee where Shri V Ganesan DGM A/T, Inspection Circle, Chennai as convener and Shri Naresh Bhandari, Director (PTCC), CEA New Delhi and Shri S Balakumar C E Powergrid, Vadodara as members. CEA New Delhi will pursue the matter with PGCIL & SEBs for nomination of member in this committee. This committee will study the issue of protection of Telecom u/g cables in the current scenario after discussions with research organizations and submit its recommendation within three month.

Action taken by DGM (A/T) Chennai/CEA ND

During the discussions on this item it was informed by PGCIL authority from Vadodara that Western Railway has completed one such case of GD tube installation in u/g cable of Railway Network, with respect to PTCC proposal submitted by PGCIL.

Chairman CLPTCC instructed DE(PTCC), Mumbai to co-ordinate with western Railway authorities, in getting the details of methodology of installing GD tubes in U/G cable network .It was informed during the course of the meeting that Director(Genl), RDSO/Lucknow may also be approached for guidance in this case.

Action taken by DE (PTCC) Mumbai

C.2 AGENDA ITEMS RECEIVED FROM VARIOUS POWER UTILITIES: compliance for item (1) to (4) already submitted in previous CLPTCC meeting.

C.2.5 Agenda received from PGCIL Bangalore regarding clearance of the following EHT lines and the compliance given by DE (PTCC) Chennai is reproduced below

- (1) LILO of both circuits of Tuticorin-Madurai QUAD 400 KV DC at Tuticorin PS.
- (2a) 765 KV Tuticorin PS-Salem PS TL - Part-1 (initially charged at 400 KV).
- (2b) 765 KV Tuticorin PS-Salem PS TL - Part-II (initially charged at 400 KV)
- (3) 400 KV DC Quad Salem New- Somanahalli TL
- (4) Salem-Dharmapuri 400 KV Quad
- (5) 765 KV Salem Pooling Station- Madhugiri pooling station initially charged at 400KV
- (6) 400 KV DC Madhugiri-Yelahanka line
- (7) LILO of Neyveli-Trichy 400 KV SC line at Nagappattinam Pooling station
- (8) LILO of 2nd circuit Neyveli-Trichy 400 KV SC line at Nagappattinam Pooling station
- (9) 400 KV DC Narendra (GIS)-Kudgi (New) TL
- (10) 765 KV DC Kudgi (New)-Kolhapur (New) TL

DET (PTCC) BSNL, Chennai informed that:

- (1) RAC issued by DE (PTCC)Chennai on 11-03-2014 (TN-1683). Energisation Approval issued by Telecom Circle on 16-09-2014.
- (2) (a) & (b) RAC issued by DE (PTCC)Chennai on 11-02-2014 (TN-1659). Clearance awaited from S. Rlys for issue of Energisation approval by Telecom circle.
- (3) RAC issued by DE (PTCC)Chennai on 29-04-2014 (TN-1657). Action pending with Dharmapuri SSA, of Telecom Circle.
- (4) RAC issued by DE (PTCC)Chennai on 01-03-2014 (TN-1655). Action pending with Telecom Circle. Pending with Dharmapuri SSA and Salem SSA. Also S.Rly clearance awaited for issue of E/A.
- (5) RAC issued on 13/02/15 (KNK-2751). EA pending with Karnataka Circle.
- (6) Scrutinised Telecom details along with topo map addressed to Director PTCC, CEA, New Delhi was handed over, by DE (PTCC) Chennai to PGCIL authorities on 08/05/2015 for onward submission to CEA for IV calculation. (KNK-2784). IV comments awaited from CEA, New Delhi.
- (7) RAC issued by DE (PTCC)ON 19-03-2014 (TN-1684). Energisation approval issued on 20-12-2014.
- (8) Scrutinised Telecom details along with topo map addressed to Director PTCC, CEA, New Delhi was handed over, by DE (PTCC) Chennai to PGCIL authorities on 07/05/2015 for onward submission to CEA for IV calculation. (TN-1706) IV comments awaited from CEA, New Delhi.
- (9) EPR details from PGCIL awaited (KNK-AR776). Spoken with concerned PGCIL authority Sri. Srinivasa Rao, Manager Power Grid, Bijapur CAO on 14/05/2015. He assured to send EPR details within 7 days. Also telecom details collected from field unit by PGCIL will be handed over shortly by PGCIL authority to this office for further scrutiny.
- (10) RAC issued on 08/05/2015 for portion falling under southern zone (KNK 2889).

DE (PTCC) Mumbai informed that Telecom detail for Maharashtra portion has already sent to CEA, New Delhi vide letter no. IC/MBI/PTCC/MRA-2247 Dated 20.04.2015. Induced voltage awaited from CEA.

Item No (1) and (7) closed. Item (2), (3) & (4) pending with Tamilnadu Circle and Southern railway. Item No (5) pending with Karnataka Circle. Item No (6) & (8) pending with CEA. Item No (9) pending with PGCIL. Item No (10) pending with Karnataka circle, CEA and DE (PTCC) Mumbai.

Action by CEA ND/DE (PTCC) MBI/TN Circle/KTK Circle/PGCIL

C.2.6 Agenda from Kerala SEBs regarding clearance of the following EHT lines:

- (1) 220 KV DC Line from 220 KV SS Pothencode – 220 KV SS Kattakkada RAC pending.
- (2) 220 KV MC Line from 400 KV SS (PGCIL) Mannukkad 220 KV SS Kanjikkode-3KM

DE (PTCC) Chennai informed that for Sl.No.1- Railway clearance received on 23/04/2015. RAC is issued by DE (PTCC), Chennai on 01/05/2015.

For Sl.No.2 Reply received from KSEB Trivandrum on 06/04/2015. Final decision will be made after consultation with CEA New Delhi.

The committee decided that for the case at Sl. No2, KSEB requested for revised RAC based on revised EPR values. The revised EPR particulars have been furnished by KSEB, which will be studied and final instructions will be issued by CEA New Delhi.

Action taken by CEA ND

New Agenda for 100th CLPTCC meeting

A.1 DE (PTCC), Chennai:

Nomination of Member (POWER) from APTRANSCO and TSTRANSCO:

Due to recent bifurcation of Andhra Pradesh State into two states as Telangana and Andhra, two separate Electricity Boards are functioning as APTRANSCO and TSTRANSCO with headquarters at Hyderabad. From Andhra, proposals for clearance of EHT lines are being submitted by various Chief Engineers of APTRANSCO from Hyderabad viz, Chief Engineer 400 KV SS, Chief Engineer Lift Irrigation, Chief Engineer Construction-I, Chief Engineer Construction-II etc. Proposals from TSTRANSCO is being submitted by Chief Engineer, TSTRANSCO/Hyderabad. It is suggested that a nodal officer is to be nominated as Member (Power) SLPTCC from both the Electricity Boards, authorizing them to forward and process all the Power line proposal cases for following a uniform procedure and for better co-ordination. Two separate SLPTCC meeting with APTRANSCO and TSTRANSCO were conducted recently under the chairmanship of GM (NWO-CFA), BSNL, Andhra Telecom Circle.

CEA ND intimated that DE (PTCC), Chennai has suggested that a Nodal Officer from newly formed Telangana State may be nominated as Member (Power) SLPTCC. Telangana Transmission Company may forward the required details to CEA ND.

The committee desires that a Member (power) from each of the states viz Telangana and Andhra Pradesh may be nominated for SLPTCC activities.

Action taken by: CEA ND

A.2 DE (PTCC), Chennai: Competent Authority to issue Route Approval Certificate and energisation approval for EHT line proposals of capacity more than 400 KV:

Of late, many proposals from various State Electricity Boards and PGCIL for clearance of EHT lines of capacity more than 400 KV are being received for clearance. In the latest PTCC Manual 2010, in the Table 3.1 in page -174 (Appendix XIX to Chapter-I), there is no mention about the competent authority to issue Route Approval Certificate/Energisation approval certificate for EHT Power lines of capacity more than 400 KV. Though Route Approval Certificates for these lines are being issued by the Zonal DE (PTCC), Territorial Telecom Circles are awaiting concurrence from CLPTCC authorizing them to issue Energisation Approval certificates. This may be clarified.

CEA New Delhi has sent a clarification to DE (PTCC) Chennai that column 6 of table no.3.1 at page 174 of PTCC Manual 2010 to be inferred as 220 KV and above.

CEA New Delhi shall endorse copy of clarification to all concerned.

Item closed

A.3 DET (PTCC), Chennai: Most of the Power line proposals of capacity 765 KV are submitted with intimation that the lines will be charged initially at 400 KV only and the theoretical value of EPR zones are submitted along with the questionnaire for 400 KV level only & Route Approval certificates are being issued accordingly. Whenever such power lines/SSs are upgraded to 765 KV level, intimation regarding the revised EPR value to be intimated by concerned Power authorities, for suitable protection of Telecom assets.

Director (PTCC) CEA, New Delhi intimated that EPR zone values of the SS are to be furnished for the higher level i.e 765 KV only, along with the questionnaire itself by the power authorities and Route Approval Certificates may be issued incorporating the EPR values at 765 KV only. **Item closed**

A.4 Deputy Chief engineer (Tech) KSEB: Issue of Revised Route Approval certificate for 220KV MC line from 400kV SS Mannukkd to 220 KV SS Kanjikode:

The line parameter furnished by KBEB in the PTCC document was the data available during the period of submission, EPR calculation was done accordingly. The fault current considered for calculating EPR was of three phase fault instead of single line to ground fault, thereby the EPR induction level extended to 2.67KM. The SLG fault level for 220kV and 400kV as per our system study group are 8000A and 8650A respectively. The fault current is taken for computation of EPR while on submission of PTCC documents are 14095A and 16854A (the three phase fault current) instead of SLG fault current of 8000A and 8650A respectively. The present EPR details of 220kV SS, KSEB, Palakkad and 400kV SS, PGCIL, Palakkad (Mannukkad) based on the SLG fault current are as follow.

Name of station	220kVSS,Kanjikkod Palakkad(KSEB)	400kVSS, Mannukkad
Diagonal distance of earth mat (m)	348	396.02
Max. Earth fault current (A)	8000	8650
Earth resistance(ohm)	0.4	0.1

Since BSNL Telephone Exchange was built after the construction of KSEB substation at Kanjikode, Palakode. Hence, request to re-compute the induced voltage based on EPR values with SLG fault current and advice the BSNL authorities to issue new demand note for the protection work according to the new induced voltage to be furnished by CEA.

CEA ND: Kerala State Electricity Board (KSEB) vide letter no. DCE (TS)/EE1-AEE3/PTCC/15-16/01 dated 06/04/2015 has informed that they had taken 3- Φ fault current instead of single phase fault current for computation of EPR. KSEB has furnished single phase fault current for re-calculation of induced voltage by CEA and requested that the committee may decide on the request of KSEB,

DET (PTCC), Chennai:

- (i) The case does not warrant recalculation of induced voltage by CEA as the IV calculated already is less than 430 Volts only for the paralleling Telecom circuits and RAC has been issued accordingly.
- (ii) The case pertains only to protection wrt EPR.
- (iii) In Chapter-VIII of the PTCC manual explaining the code of practice for protection w.r.t EPR, there is a mention about the factors considered for assessment of hazardous zone of EPR, of which, one factor is the maximum fault current flowing through the earth mat of the Sub Station and **it is not mentioned whether it is 3-phase fault current or single phase fault current.**
- (iv) It is understood that the maximum fault current flowing through the earth mat is determined by the phase to ground fault current contributed by each power line circuit connected to the SS.
- (v) It is not clearly mentioned by KSEB/TVM in the letter whether it is the maximum fault current flowing through the earth mat of the SS or whether it is the SLG fault current w.r.t to the particular line 220 KV Mannukad to Kanjikode only. This has to be clarified and commented upon by KSEB/CEA.

The committee decided that CEA/New Delhi will study the case and issue suitable guidelines.

Action taken CEA ND

A.5 Deputy Chief Engineer (Tech) & Member (Power)- PTCC KSEB:

(Letter No. DEC (TS)/EE1-AEE3/PTCC15-16/33 dated 13.04.15)

- (1) 220kV DC line from 220kV SS Pothoencode-220kV SS Kattakkada- Topo map re-submitted to Director, CEA New Delhi.
- (2) 220 KV MC line from 400 kV SS (PGCIL) Mannukad-220kV SS Kanjikkode- 3 KM- Clarification forwarded to CEA and DE BSNL, Chennai
- (3) 220 KV UG cable from Brahmapuram-Infopark Phase II- details already submitted to CEA and BSNL

DE (PTCC) Chennai informed that:

- (1) Route Approval Certificate issued on 01-05-2015-EA to be issued by Kerala Circle
- (2) Already figured as item C.2.6(2) above.
- (3) BSNL telecom details sent to CEA ND for IV comments on 12/05/15.

Being repetition Item (2) closed, Item (1) pending with Kerala Circle and item (3) With CEA ND.

Action taken by CEA ND/Kerala Telecom Circle

A.6 CEA ND: Non submission of PTCC proposal from BSNL & Railway Authority to CEA:

As per para 1.1 of Section "C" of Chapter 3 of PTCC Manual, BSNL to seek PTCC route approval for the route of all the trunk lines, junction lines, long distance PCO lines and telegraph circuits except OFC unarmored cable and Railway authority to seek PTCC route approval for all the telecommunication and block circuits. This issue was raised in 98th CLPTCC meeting at Shillong and also discussed in 99th CLPTCC meeting at Jabalpur. However, CEA so far has not received any PTCC proposal from BSNL and Railway Authority.

DE (PTCC) Chennai mentioned that it is reported by field authorities that, in the recent past, no new trunk lines/junction lines/OFC armoured cables are being laid and hence not submitted for PTCC Clearance.

Matter already discussed at item B.6 above.

Item closed

A.7 CEA ND: Non submission of proposal/ telecommunication details from Defence to CEA:

From Defence side no proposal/ telecommunication details are furnished to CEA for PTCC route approval, although Defence is one of the members of Central PTCC. Defence authorities are not being asked to furnish telecommunication details within influence zone of extra high voltage power transmission lines. Defence authorities may comment on this situation.

The committee decided that, since there is no participation from Railways and Defence in this forum, Railway authorities and Defence authorities are to be separately addressed in this regard.

Action taken by CEA ND

A.8 CEA ND: Certificate of approval to the route of power transmission line of Dans Energy Private Limited.:

DET (PTCC), Eastern Region, Inspection Circle, BSNL, Kolkata has issued certificate of PTCC route approval for 220kV D/C transmission line from Majhitar to New Melli (Tokal 220kV pooling station) .This certificate has been issued without CEA's comments.

DE (PTCC) Kolkatta: mentioned that it may kindly be noted that the certificate has been issued as per Railway NOC and Letter of AGM(HR/admin), GMTD, BSNL, Gangtok wherein it is informed that no Telecom lines are involved.

The committee decided that, though there are no paralleling Telecom lines involved in a PTCC proposal, it is to be brought to the notice of CEA New Delhi who is the IV calculating authority for 220 KV lines and above.

Chairman CLPTCC instructed DE (PTCC) Kolkata to strictly follow the PTCC procedure and obtain covering approval from CEA ND in the case.

Item closed

A.9 (A) CEA ND: Issuance of demand note by DE (PTCC), Mumbai

Powergrid, Regional Engineering Department WR-II, Vadodara has requested DET(PTCC), Mumbai to expedite the issuance of demand note for depositing money by Powergrid for GD tubes in the portion where induced voltages are worked-out higher for the PTCC route approval of Powergrid Gwalior-Jaipur Ckt1 & Ckt 2 line.

DE PTCC, Mumbai informed that Demand note issued by GMTD BSNL Gwalior, on date 14/05/15 to C M Powergrid Corporation Gwalior, for GD tube against protection from 765 KV transmission line of value Rs 215710.00 (Rs. Two Lac Fifteen Thousand Seven Hundred Ten)

Item closed

(B) EE (PTCC) RVPN JAIPUR:

Letter No. RVPN/ZCE (T&C-JPZ)/XEN/PTCC/JPR/F.501-XI/D.46 dated 04/05/2015

(i) PTCC cases of EHV power line of RNPV Jaipur pending at DE (PTCC) ND for want of PTCC route approval certificate.

- (1) 400 KV LILO to Jodhpur (New) from Merta- Jodhpur line.
- (2) 220 KV LILO to Udaipur from Debari- Chhitorgarh line.
- (3) 220 KV D/C Pali- Kharchi for M/s DFCC line
- (4) 220 KV D/C Bilara- Haripura TSS for DFCCIL line.
- (5) 132 KV LILO to Niwara from Chomu Markhi line.
- (6) 132 KV S/C Deshnok-Prachu line
- (7) 132 KV D/C Damotar-Pratapgarh for M/s Welspun Energy Ltd line.

DE (PTCC) ND informed that the compliance of 7 PTCC cases of RVPN as under:-

- (1) Rly NOC pending
- (2) IV pending at CEA
- (3) Rly NOC pending
- (4) Rly NOC pending
- (5) RAC issued
- (6) Rly NOC pending
- (7) RAC issued

(ii) For PTCC cases, shown as Telecom Details awaited:

- (1) 220KVD/C Chittorgarh (400 KV GSS) - Pratapgarh line via one cct. 220 KV GSS Nimbahera
- (2) 220KV S/C Thendeshar - Badnu line
- (3) 220 KV D/C Kothputli(PGCIL) - Khelna - Bansur line
- (4) 220KV LILO to Badisid from Bap-Bhadla line
- (5) 220KV D/C Jhodpur-Jhalamand
- (6) 132 KV LILO to Deh(Nagaur) from Nagaur - ladnu line
- (7) 132 KV LILO to goner from Bassi- Puranghat line
- (8) 132KV LILO to Gogelaw from Nagaur - Khinsar/Merta line
- (9) 132KV S/C BaRan - Mangrol line
- (10) 132 KV Asind - Bhim line
- (11) 132 KV Badla - Khetusar line .

Zonal DE (PTCC) informed that compliance as under:

- (1) Telecom details submitted to RVPN on 12.5.15
- (2) Telecom details submitted to RVPN on 12.5.15
- (3) Collection of Telecom details is under progress.
- (4) Collection of Telecom details is under progress
- (5) Collection of Telecom details is under progress
- (6) Collection of Telecom details is under progress
- (7) Telecom details submitted to RVPN on 15.5.15
- (8) Collection of Telecom details is under progress
- (9) Collection of Telecom details is under progress

(10) Collection of Telecom details is under progress

(11) Telecom details submitted on 15.5.15

(iii) For PTCC cases, shown as pending with CEA:

- (1) 220KV D/C Reengus - Malakali line(DFCC)
- (2) 220KV S/C Nawalgarh(PPP) to Jhunjhunu line
- (3) 220KV D/C T/L line from 400KV GSS Ramgarh to 220KV Harbour(Tanot wind power)
- (4) 220KV D/C T/L line from 220KV GSS Tejwa to 400 KV GSS Ramgarh

Zonal DE (PTCC) informed that compliance as under:

- (1) Forwarded to CEA for IV calculation on 28.4.15
- (2) Rly NOC awaited
- (3) Forwarded to CEA for IV calculation on 28.4.15
- (4) Forwarded to CEA for IV calculation on 28.4.15

Action by DE (PTCC) EZ/WZ/NZ/SZ/CEA ND/Zonal Rly

A.10 Dy. C E (SPE) DVC Letter No. EDCON/SPM/PTCC/357 Dated 20/04/15

Name of Route:

- (1) 132 KV D/C from Northkaranpura to NTPC,Tandwa.
- (2) 132 KV D/C LILO of Barhi-Konar Line at Koderma TPS S/s
- (3) 132 KV S/C Line for Mithon Alloy LTD. And IMPex Ferro Alloy Ltd.
- (4) 132 KV S/C Line for Ispat Damodor Ltd. From Ramkanali DTPS line.
- (5) 132 KV S/C LILO of Ramkanali DTPS line at Jamuria.
- (6) 132 KV D/C CTPS-BIADA
- (7) 220 KV D/C Kalyaneswari-Pithakhan

Zonal DE (PTCC) Kolkata informed that compliance as under:

- (1) Railway NOC and IV report awaited from concerned power authority.
- (2) Railway NOC and IV report awaited from concerned power authority.
- (3) Railway NOC and IV report awaited from concerned power authority.
- (4) Case is under progress
- (5) Railway NOC and IV report awaited from concerned power authority
- (6) Railway NOC and IV report awaited from concerned power authority
- (7) Railway NOC and IV report awaited from CEA

Action by DE (PTCC) Kol/Rly Authority/Respective Power Authority

A.11 Addl. SE/T7S-IV for CE/TS, PSTCL, Patiala, Memo No. 616/DT-6201/Vol-XIII dated 15/05/2015.

A. PTCC Cases pending for BSNL Clearance

- (1) PTCC case of 220KV DC line on DC Towers from Bottianwala-Mastewala.(L-662)
- (2) PTCC case of 220KV BTI-Malout Line LILO for Badal. (L-663)
- (3) PTCC case of 220KV DC line on DC Towers from Bahadurgarh to Devigarh.(L-667)
- (4) PTCC case of 220KV Bhalwan-Nabha S/Ckt. on D/Ckt Tower line (L-679)
- (5) PTCC case of LILO of One Ckt. of 220KV Patran-Sunam at Bangan (L-680)
- (6) PTCC Case of 220KV D/C GHTP Lehra-Mohabbat- Mansa LILO for Dhanula Transmission line. (L-684).
- (7) PTCC Case of 220KV D/C GHTP Lehra-Mohabbat- Mansa LILO for Talwandi sabo Transmission line. (L-685).
- (8) 200KV line from Mukatsar Bazakhana line for Mukatsar (Sandhwan). (L-687)
- (9) PTCC case 220KV DC line from Mukatsar-Kotakpura (Sandhwan) (L-688)
PTCC Case of 220KV D/C GHTP Lehra-Mohabbat- Mansa LILO for Talwandi sabo Transmission line. (L-685)
- (10) PTCC Case of 220KV Dhuri-Bhalwan Loop out D/C on D/C Tower Line (L-691).

- (11) PTCC Case of 220KV Line from 400KV S/Stn.Dhuri (Bhalwan) to Bangan D/C on D/C Tower Line (L-698).
- (12) PTCC Case of 220 KV S/C line on D/C Towers from 400 KV S/Stn.Ludhiana - Doraha (L-700).
- (13) PTCC Case of 220KV D/C line on D/C Towers from 220KV Sub-Station BaghaPurana to BazaKhana (L- 702).
- (14) PTCC Case for route approval of 220KV Makhu to Rashiana D/C line. (L-703)
- (15) PTCC Case of LILO of 220KVGHTP-Mansa at 220KV Dhanaula (L-704)
- (16) PTCC Case for route approval of 220KV Nakodar- Nurmehal D/C Line.(L-706)
- (17) PTCC Case of 66KV SC on DC Madhir-KotBhai Transmission line.(L-707).
- (18) PTCC Case for route approval of 220KV Nakodar-Kartarpur D/C Line (L-708).
- (19) PTCC case for route approval of 220KV D/C Transmission line from 400KV S/S Nakodar to 220KV S/S RehanaJattan (L-712).
- (20) PTCC Case for route approval of 220KV D/C Transmission Line from 400KV S/S Makhu to 220KV S/S Algon (L-713).
- (21) PTCC Case for route approval of Loop-in & Loop-Out of both Ckts. of 220KV Malerkotla-Pakhawal&Malerkotla-Barnala at 220KV S/Stn.Sandhaur (L-714).
- (22) PTCC Case for route approval of LILO of 220KV Moga- Jagraon line at Himmatpura (L-715).
- (23) PTCC Case for route approval of 220KV TalwandiBhai- Dharamkot DC on DC Tower line (L-716).
- (24) PTCC Case for route approval of LILO of 220KV Sunam- Mansa at Jhunir DC on DC Tower line (L-717).
- (25) PTCC Case for route approval of 220KV S/C Transmission line from 400KV S/S Balachak to 220KV S/S Nariangarh (L- 718)
- (26) PTCC Case for route approval of 220 KV D/Ckt. Line from 220 KV S/Stn.Kanjli to 220 KV S/Stn. Science City (L-719).

DE (PTCC) ND informed that compliance as under:

- (1) Marking of Telecom details is in process
- (2) As per query from CEA, recollection of telecom details is in process
- (3) As per query from CEA, recollection of telecom details is in process
- (4) As per status submitted by CEA, Recollection of telecom details is in process
- (5) As per status submitted by CEA, Recollection of telecom details is in process
- (6) Marking of Telecom details is in process
- (7) Recollection of telecom details is in process
- (8) As per query from CEA, recollection of telecom details is in process
- (9) As per query from CEA, recollection of telecom details is in process
- (10) Duplicate to Sr. No. 7
- (11) As per comments issued from CEA, Pending for Railways details
- (12) As per status submitted by CEA, Recollection of telecom details is in process
- (13) Marking of Telecom details is in process
- (14) Marking of Telecom details is in process
- (15) Marking of Telecom details is in process
- (16) Case is not registered with this office.
- (17) Marking of Telecom details is in process
- (18) Recollection of telecom details is in process
- (19) Marking of Telecom details is in process
- (20) Marking of Telecom details is in process
- (21) Marking of Telecom details is in process
- (22) Case is not registered with this office.
- (23) Case is not registered with this office.
- (24) Marking of Telecom details is in process
- (25) Recollection of telecom details is in process
- (26) Marking of Telecom details is in process

Action by DE (PTCC) New Delhi/Concerned Rly.

B. PTCC Cases, pending with DET/PTCC, New Delhi for route approval

- (1) PTCC case of 220KV D/C Line on D/C towers from Bahadurgarh to Devigarh (L-667, PNB 276).
- (2) PTCC Case of 220KV Dhuri-Bhalwan Loop out D/C on D/C Tower Line (L-691, PNB 297).
- (3) PTCC Case of 220KV Line from 400KV S/Stn.Dhuri (Bhalwan) to Bangan D/C on D/C Tower Line (L-698, PNB 300).
- (4) PTCC case of 220KV S/C line on D/C towers from 400KV S/Stn. Ludhiana to Doraha (L-700, PNB 309).

DE (PTCC) ND informed that compliance as under:

- (1) Duplicate of A.11(3)
- (2) Duplicate of A.11(10)
- (3) Duplicate of A.11 (11)
- (4) Duplicate of A.11(12)

Being repetition item closed

Supplementary Agenda presented during the meeting after circulation of main agenda

Agenda points given by APTRANSCO Hyderabad:

A.12 Route approval certificate to 220 KV DC line from 400 KV Substation Manubolu to existing 220/132 KV Substation at Sullurupeta:

Issue of Route Approval Certificate by DE/PTCC/Chennai is pending .Induced Voltages have been communicated by CEA/New Delhi and EPR values also submitted by APTRANSCO. Issue of Route approval certificate is required urgently as the line is very important downstream of Krishnapatnam evacuation and is programmed to commission in the month of June, 2015.

DET (PTCC), Chennai informed that:

APTRANSCO has furnished EPR values of the SS as follows.

The EPR values at the terminal substations of the above line are furnished below.

	D(m)	R(ohms)	I(Amps)	d430(m)	d650(m)	d7kV(m)	d10kV(m)
At Manubolu 400kV SS	300	0.52	16113.79	5545.93	3567.31	59.11	-48.62
At Sullurepet 220kV SS	200	0.64	8022.78	2188.18	1379.87	-53.3	-97.31

The Theoretical value of EPR is very high and APTRANSCO had been requested to recheck the same and intimate further

Director (PTCC), CEA has suggested to send all the details along with Induced Voltages values report for examining the same and APTRANSCO to forward the same to CEA.

Action taken by DE (PTCC) Chennai/ APTRANSCO

A.13 784- 220 KV DC line from 220 KV Hindupur to 220 KV SS at Pulivendula :

CEA communicated the IV values vide letter No: CEA/LD&T/PTCC/AND-534/284 dtd: 25.04.2014.South western railways returned vide letter SG/SWR/PTCC/F-1082-1188 Dt: 16.04.2015as Induced Voltage Report submitted by CEA is incomplete.

DET (PTCC), Chennai informed that the case is pending for want of Rly clearance from SW Rly. The IV Values furnished by CEA earlier was based on the Rly track on the topo map as the Rly details were not furnished by SW Rly earlier. Now SW Rly has requested CEA for revised IV calculation for the Rly details furnished by them now.

Director (PTCC), CEA ND said that the issue will be examined by CEA.

Action by CEA ND

After elaborate discussions and deliberations on the agenda points of the meeting the meeting ended with vote of thanks by Shri S. K. Nain, Addl. G M Inspection Circle, Chandigarh.

Annexure-A**List of Participants of 100th CLPTCC**

	Names	Designation	Station
1	Sh. A C Mishra	CGM, Inspection Circle	Jabalpur
2	Sh. R C Hooda	CGMT PB Circle	Chandigarh
3	Sh. G C Manna	Sr. GM(S) Inspection Circle	Jabalpur
4	Smt. Sukla Manna	Sr. GM (HQ) Inspection Circle	Jabalpur
5	Sh. Manoj Pant	Sr. GM (CFA) Punjab circle	Chandigarh
6	Sh. C. Srinivas	GM (N) Inspection Circle	New Delhi
7	Sh. S K Nain	Addl. GM.A/T Inspection Circle	Chandigarh
8	Sh. Gautam Lal	Addl. GM J&K Circle	J&K
9	Sh. Prabhat Mohan	Chief Engineer LD&T Division, CEA,	New Delhi
10	Sh. Naresh Bhandari	Director (PTCC) LD&T Division, CEA,	New Delhi
11	Sh. B R Thimmappa	DGM (NWO-CFA) Karnatka Circle	Banglore
12	Sh. E Vasudevan	DGM (NWO-CFA), TN Circle	Chennai
13	Sh. Surendra Babu	DGM NC UP (E)	Lucknow
14	Sh. Sunil Prasad	TDM	Dumka Jharkhand
15	Sh. D K Khare	AGM (MM) Inspection Circle	Jabalpur
16	Sh. N N Kothari	DET (PTCC) Inspection Circle	Mumbai
17	Smt. Chitra Suresh	DET (PTCC) Inspection Circle	Chennai
18	Sh. N K Biswas	DE (PTCC) Inspection Circle	Kolkata
19	Sh. Ajit Kumar Nagar	DE (PTCC) Inspection Circle	New Delhi
20	Sh. P K Sarshwat	SDE (PTCC) Inspection Circle	Jaipur
21	Sh. M K Gupta	SDE (PTCC) Inspection Circle	Jabalpur
22	Sh. P T Gaikwad	SDE (PTCC) Inspection Circle	Mumbai
23	Sh. N.K.Ananda Rao	SDE (PTCC) Inspection Circle	Banglore
24	Sh. N K Sharma	SDE (PTCC) Inspection Circle	Ambala
25	Sh. Jai Vikram	SDE (PTCC) UP (W)	Dehradun
26	Sh. Tajinder Kumar	DE A/T Inspection Circle	Chandigarh
27	Sh. Anil Kumar	SDE A/T Inspection Circle	Chandigarh
28	Sh. Ramesh Kumar	SDE A/T Inspection Circle	Chandigarh
29	Sh. Gursharn Singh	SDE A/T Inspection Circle	Chandigarh
30	Sh. Vijay Kumar	SDE A/T Inspection Circle	Chandigarh
31	Sh. Sharad Yadav	JTO A/T Inspection Circle	Chandigarh
32	Sh. Shivam Bansal	JTO A/T Inspection Circle	New Delhi
33	Smt Shashi Kala	JTO (PTCC) Inspection Circle	Chennai
34	Miss Suman	JTO A/T Inspection Circle	Chandigarh
35	Sh.S Bala Kumar	chief manager Powergrid	Vadodara
36	Sh. Radha Krishnan	Dy. Chief Engr. KSEBL	Trivendrum
37	Sh H.K. Meshram	SE& Member Power,CSPDCL	Raipur C G
38	Sh. Rajesh Kathpalia	Addl. SE,PSTCL	Patiala
39	Sh. Sarat Chandra Das	AGM (Elect), OPTCL, Orrisa	Sambalpur
40	Sh. S.K Chauhan	AGM HPPCL	Hamirpur
41	Sh. A K Verma	Xen RVPN (Raj)	Jaipur
42	Sh. Satish Kumar	ADE (APTRANSCO)	Hydrabad
43	Sh. Shiv Kumar	Xen (Trans. Design) HVPNL	Panchkula
44	Sh. A K Tiwari	Xen MP	Jabalpur
45	Sh.Naresh Dewan	AE, PSTCL	Patiala

