



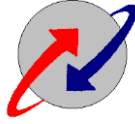
BHARAT SANCHAR NIGAM LIMITED

Minutes of the 104th CLPTCC Meeting

Date: 09th JUNE, 2017

Venue: Conference Hall, RTTC

BSNL, MYSORE



BHARAT SANCHAR NIGAM LIMITED

QA & INSPECTION CIRCLE,

RESIDENCY ROAD, JABALPUR 482 001

Minutes of the 104th Central Level PTCC meeting held at Mysore

on 9th June 2017

The 104th Central PTCC meeting was held on 9th June 2017 in the *conference hall, RTTC, BSNL Mysore* under the **Chairmanship** of **Shri. T.V.Venkatram** , Principal General Manager, QA & Inspection Circle, Bengaluru and **Shri. Naresh Bhandari** , Chief Engineer, CEA as **Co-Chairman**, CLPTCC, Shri. A.K.Misra , General Manager QA & Inspection Circle as Secretary (Telecom), CLPTCC and Shri. Abraham, Director, CEA as Secretary (Power), CLPTCC. The meeting was attended by dignitaries from BSNL, Central Electricity Authority, Railways, Defence, PGCIL and various state/Central power utilities.

- The list of participants is enclosed herewith in Annexure I.
- The lighting lamp ceremony was performed by Shri T.V.Venkatram, PGM ,QA & Insp Circle along with Shri. Naresh Bhandari , Chief Engineer CEA, Shri. A.K.Misra General Manager QA & Inspection Circle, Shri.Abraham Director, CEA and Shri V.M. Khare General Manager, PGCIL **and the meeting was formally inaugurated.**
- **Senior Officers of BSNL, Central Electricity Authority, Railways, Defence and PGCIL were honored by officers from BSNL.**
- After self introduction by participants in the meeting, **Shri. V.Ganesan** Dy.General Manager QA & Inspection Circle heartily welcomed all officers, on the Dias i.e Shri. T.V.Venkatram, Principal General Manager, QA & Inspection Circle and Chairman CLPTCC, Shri.Naresh Bhandari , Chief Engineer, CEA New Delhi & Co-chairman CLPTCC ,Shri. A.K.Misra, GM QA & Inspection Circle & Secretary (Telecom), CLPTCC , Shri.Abraham Director (PTCC), CEA New Delhi & Secretary (Power), Shri.Khare , Genl Manager, PGCIL , Shri .A.K.Sinha PGM(E) QA & Inspection Circle, Shri. Koushar Khan GM (N) QA & Insp Circle, Shri.A.K.Jha GM(W) QA & Inspection Circle, Sri.Sandeep Govil , PGM Assam Telecom Circle , Shri.Srikandan Principal RTTC, Mysore and all other Officers from BSNL, Railways Defence , State and Central Power Utilities.

- **Shri A.K.Mishra** GM HQ QA & Inspection Circle and Secretary (Telecom) CLPTCC while welcoming the participants, said that Power and Communication now a days are not luxury but necessity. Government of India have launched large number of Power & Telecommunication Projects to reach out to people located at every nook and corner of the country. There are more difficulties to achieve the target and we invite all for sharing their problems, without hesitation.
- While addressing the meeting, **Shri.Abraham Director (PTCC), CEA & Sactetary (Power)** CLPTCC stated that everyone is aware of the rapid growth in power sector , especially in erecting of 765 KV Transmission lines in the country and also about the shortage of power experienced in the country. He insisted on the seeking of PTCC clearance of power line proposals and emphasized on the clearance of the PTCC cases in time. He mentioned that , in the year 2016-17, CEA has received 158 cases for process out of which 124 cases have been cleared in his office. He cited that rest of the cases are pending in his office for want of BSNL or Railway Telecom details or clearance from Defence authorities. He expressed his appreciation for the launch of ONLINE portal for PTCC and requested for further deliberations in the meeting regarding the internal problems being faced by stake holders in handling the portal. He once again welcomed all the participants for the meeting.
- While addressing the meeting, **Shri Naresh Bhandari, Chief Engineer , CEA & Co-chairman CLPTCC** thanked QA & Inspection Circle for hosting the 104th 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 Mysore.
- 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. 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.
- He stated that erecting of power lines without proper PTCC clearance is dangerous to both Power and Telecom side. He stated that SLPTCC is the basic foundation of PTCC and directed that all PTCC cases are to be discussed in SLPTCC meeting , then brought to the notice of CLPTCC if unresolved in SLPTCC. He pointed out that suitable guidelines for PTCC have been formed and made available in the PTCC Manual. He told that co-ordination between various agencies viz Telecom, Defence , Railways and power authorities is difficult for any case and hence a PTCC case cannot be processed if no inputs are received from all these agencies. He

then elaborately described the handing over the project of digitization of PTCC process to BSNL. He expressed the importance of the PTCC portal and that there should be maximum utilization of the PTCC portal & paperless work should be adopted. He opined that , only if the Portal is made fully functional , the concerned authority responsible for delay in issue of PTCC clearance may be made accountable. He stated that there is a real pressure for PTCC Clearance, and the concerned party comes in person to his office for getting Induced Voltage comments. He also stated that

- Two extreme categories viz Large length of Power Transmission lines and transmission lines for Renewable energy though of short length are being submitted for PTCC Clearance. Private power authorities are not well aware of the PTCC procedure and norms . They should also seek clearance and then only charge the lines.
- While computing IV Values for a case, after receipt of BSNL Telecom details, in case there is an urgency of the case then if any Railway track is visible on the topo map submitted for a case for PTCC clearance, CEA themselves will in such cases compute the IV values for paralleling Railway Telecom Circuits. If the concerned Railways object to this, they can seek the IV values from CEA without delay, by furnishing the details of the paralleling Railway circuits.
- Defense authorities may take their own time of 8 to 10 weeks for clearing a case, and hence the zonal DEs(PTCC) are requested to issue provisional Route Approval certificate for a power line pending clearance from Defense, considering the urgency of charging the power lines. Chief Engineer PCD CEA may certify the issuance of provisional RAC for such urgent cases, after observing due formalities. At the same time compromising security issue is not advisable. And hence Defense should also give suitable information to CEA.
- Power authorities should submit only survey of India map along with a proposal and can make use of 'Nakshe' portal recently launched by Survey of India. BSNL can also look into the matter of how to make use of the digital map while developing the PTCC portal further.
- Though time limits are fixed for various stages involved in PTCC clearance and made available in the PTCC Manual, it is not being adhered to BSNL and Railway. Telecom details are delayed in some cases inordinately, and by that time the power lines are getting charged. Power authorities cannot afford to wait indefinitely for charging a line.
- All authorities are advised to make use of other media like Whatsapp, e-mail, SMS and CEA will respond within 24 hrs for any queries received in his office, with the latest status of the case.

- Regarding issue of Energisation approval for a power line, after a route approval certificate is issued by the Zonal DEs(PTCC), long time is taken for procuring materials and execution of work after money getting deposited from Power authorities. BSNL particularly should speed up the issue.

He finally thanked all the participants in the meeting.

- **Shri. T.V.Venkatram**, PGM QA & Inspection Circle and Chairman CLPTCC , while addressing in the meeting welcomed all the participants to the palace city of Mysore . He stated that , as of now, Power being on the Infrastructure side and Telecom being on the Service side, both Power and Telecom are the two pillars for the development of the country. He also stated that
 - As far as the infrastructure is concerned, Government has committed to provide 24X7 power to all the houses and villages in every corner in the next two years. Requirement of power generation will be of 1000 times more than required earlier. Power sector is concentrating on generation of power through Solar, wind , hydel etc.
 - As far as the service sector is concerned, Government is aiming at “Digital India” program and is developing various portals under this and is being monitored by PM Office. Telecom being on the service sector side, Telecom also plays a role in “Digital India” scheme and the Teledensity has increased in the country either by way of Mobile Phone or Land line .
 - PTCC forum is the right forum to discuss and solve the various hurdles in such development . The participation from all over the country for the meeting, will be much useful for such discussions.

- **Shri V.M.Khare** GM PGCIL, Bangalore, while welcoming the participants, said that for meeting the growing needs of the Indian economy, electric power generation capacity is to double itself every ten years for about next three decades. As such there is a need to develop large capacity projects at the national level to meet the requirement of different States

A. CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING

The Minutes of the 103rd Central PTCC meeting held at Jabalpur on 25th November 2016 were taken up for discussion and all the members confirmed the minutes.

B. FOLLOW-UP ACTION ON DECISIONS TAKEN IN THE PREVIOUS CENTRAL PTCC 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 and the status of the same is being updated in every SLPTCC meeting. **DE(PTCC), Western Zone** reported about the damage of Telecom assets (stores) in his zone, due to falling of power conductors and that Fire investigation has already been conducted in this regard. The committee decided that Circle Office Jabalpur can analyse the fire report submitted by the fire investigation committee and intimate whether this case has to be included as an agenda point in the next meeting.

(Action by: DE(PTCC)//WZ & Circle Office, Jabalpur)

B.2 Computerization of PTCC Route Approval Process:

Shri .Naresh Bhandari , Chief Engineer, CEA New Delhi stated that , PTCC WEB portal requires to be developed in a thorough manner. He insisted that the portal is to be developed in such a manner that it is user friendly and interactive mode. Monitoring the status of the PTCC cases through ONLINE is to be user friendly and there should be separate heading for different categories of power lines viz 220 KV, 400 KV and 765 KV. Any stake holder should be able to upload their remarks for a particular PTCC case in the portal and that they should be able to update the status of the cases in the portal itself. He stated that , though more than one year has elapsed since the launch of the PTCC portal, CEA is not able to upload their IV comments through ONLINE. He told that, except topo map, all stake holders should be able to upload the complete PTCC proposal in the portal and initiate a request successfully. He suggested that use of digital maps and marking of BSNL telecom details on this map should be looked into, during further development of the portal. Further, he stated that CEA has already sent letters to BSNL suggesting improvements in the Portal and requested for consideration.

The committee decided that , a sub committee may be formed with members from stake holders of different agencies, to view and study their various suggestions/feedback for development of the portal and a concrete discussion to be arrived at, before the next meeting.

Sri.K.Raji Reddy JTO QA & Inspection Circle, involved in the digitization of PTCC process, informed that as per the request received from Railway side and as discussed in the last CLPTCC meeting, users have been created for NCR, NER, WCR and SECR. He also stated that provision for uploading the complete proposal except topo map and tracking module for tracking the status of a particular PTCC proposal is already available in the present version . He also informed that development of tool for uploading of IV comments by CEA to the respective DEs(PTCC) and NOC by the concerned Railways to CEA/DEs(PTCC) in the portal is still pending and to be taken care in the next version of the application. Regarding use of Digital maps for the portal, he informed that AUTOCAD software is to be procured and installed in the server and that users involved in using the digital maps should be familiarized with use of AUTOCAD and requested Chairman CLPTCC for analysis. He confirmed that Feedback/Suggestions received from CEA and Chief Engineer (TSTRANSCO) regarding working of PTCC portal, will be considered during development of version-2.

(Action by: DE (PTCC)/NZ/EZ/WZ/SZ & CEA)

B.3 SLPTCC meetings:

In the last CLPTCC meeting, the committee decided that in every CLPTCC meeting, status of SLPTCC meetings conducted should be updated. All DETs updated the status of SLPTCC meetings.

Co-chairman advised that BSNL field staff has to seriously find out the charging of power lines without proper PTCC approval and bring to the notice of concerned Zonal DE (PTCC) of QA & Inspection Circle, who can take up the case with the concerned Power authorities.

(Action by: BSNL /DE(PTCC)/NZ/EZ/WZ/SZ)

B.4 Nomination of members from DISCOMs for SLPTCC meetings:

In the last CLPTCC meeting, the committee decided that the concerned GM Telecom Circle, as chairman of the SLPTCC should write letters to power authorities regarding the issue of nomination of members from DISCOMs for SLPTCC meetings.

DE (PTCC), South informed that there are no defaulting DISCOMs in south Zone.

DE (PTCC), North informed that DISCOM member of Rajasthan, Delhi and Uttaranchal are attending the meeting of SLPTCC conducted.

DE(PTCC), West also informed that DISCOM Companies are now attending the SLPTCC Meeting regularly.

DE (PTCC), East informed that :

A. Following power companies had informed their DISCOM members' names-

1.DVC, 2. Power Grid (ER-II,Kolkata), 3. Power Grid, NE Transmission system 4.Odisha Electricity Board (Bhuvneshwar)

B. Two letters were given to DGM/CFA, BSNL circles of Jharkhand after 103 rd CLPTCC meeting:

1) DET/PTCC-ER/DISCOM/16-17/05, Dated 09.12.2016.

2) DET/PTCC-ER/DISCOM/17-18/01,Dated 01.05.2017.

C. The following BSNL circles have written letters to concerned power authorities for nomination of DISCOM members ;

(1) From West Bengal circle, Kolkata vide letter dtd 25/5/17,

(2) From Assam circle, Guwahati vide letter dtd 28/12/16 and

(3) From Bihar circle, Patna vide letter dt 31/05/17.

Chief Engineer, CEA wanted copies of these letters endorsed to him for taking further action.

DE(PTCC), East may arrange for the same.

(Action by: Chairman(SLPTCC), EZ & DE(PTCC)/EZ)

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

(i) Charging of transmission lines without PTCC Route Approval:

In the last CLPTCC Meeting DET(PTCC), North zone informed the status that, out of 12 cases of North Zone, BSNL TD received for 10 cases and 9 cases are sent to PTCUL for IV calculation. For these 9 cases also IV Comments not received from PTCUL since they are not in receipt of Rly Telecom Details for these cases.

DE (PTCC), North confirms the present status as on date, that BSNL TD have been provided for all the 12 cases and Railway Telecom details are provided for 6 cases only and IV comments have not been furnished by PTCUL for the 6 cases for which both BSNL TD and Railway TD are available with them.

PTCUL authority present in the meeting requested Chief Engineer , CEA/New Delhi to impart training for IV calculation method and supply the requisite Software to PTCUL free of cost.

Chief Engineer , CEA/New Delhi directed PTCUL authority to write letter to CEA keeping a schedule for the training, so that CEA can impart training. However he informed that the Software, being a in-house software cannot be handed over to PTCUL and that IV Calculation method is described in detail in the PTCC Manual. He also directed the PTCUL authorities to go through the manual, get familiarised with the procedure before coming for the training.

(Action by: PTCUL)

(ii) Other cases of non-submission of PTCC Proposals:

The case pertaining to North Zone . 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. DE(PTCC), North confirms that no such case has been reported so far.

Chief engineer , CEA one again insisted that Field BSNL staff can gather information about charging of any power line without permission , gather the details of the particular power lines from the concerned power authorities and inform DE (PTCC), who can take up the case with CEA for further action.

(Action by: BSNL)

B.6. Non-submission of proposal / telecommunication details from Defence:

In the last CLPTCC meeting, Defence representative intimated that Pune has been fixed as nodal Centre for South Zone and yet to be finalised for other zones. He confirmed that the nodal centre information for all the zones will be sent before March 2017. However, so far there has been no confirmation from Defence in this regard.

Representative from Defence present for the meeting assured that, he will take up the case through Director(Signals), Army Head quarters for further action. Chief Engineer , CEA directed all the power authorities to send the PTCC proposal to Defense by Indian Postal only.

(Action by: Defence HQ, New Delhi)

B.7 Energization Certificate – Kerala SEB Transmission Line:

In the last CLPTCC meeting, it was informed by KSEB authorities that the energization certificate for 220kV D/C line from **220kV SS Pothencode to 220 KV SS Kattakkada is pending from BSNL side.** DGM, BSNL of Kerala Telecom Circle, Trivandrum confirmed that Demand note for protection work to Telecom assets has been issued by BSNL Trivandrum SSA to KSEB for an amount of Rs.13,26,028/- on 09-09-2016 and KSEB was yet to make payment.

DGM, BSNL of Kerala Telecom Circle, Trivandrum present in the meeting, explained the present status that, KSEB authorities have remitted the said amount 25-03-2017 and that the work is under process and involves shifting of Telecom Pillrs, which warrants under ground trenching. He informed that, due to monsoon, Collector Trivandrum has denied permission for such digging works. He assured that the work will be completed within two months starting August 2017.

CEA requested BSNL authorities to minimise the delay in such cases.

(Action by: Kerala Telecom Circle)

C.1 Agenda from CEA, New Delhi:

C.1.1 Improper Submission of BSNL telecom Details:

In the last CLPTCC meeting, CEA had intimated DEs of some region are directly forwarding BSNL telecom details which they receive from SDEs to CEA. Sometimes it is seen that the marking of BSNL telecom cables is not done or are not clear.

All DEs(PTCC) have now confirmed that Telecom details are being forwarded to CEA, New Delhi in proper FORMAT as per letter dated 25-07-2016 received from CEA . Chief Engineer, CEA once again instructed that Power authority should ensure that only Survey of India map is submitted.

Hence the committee decided that, if no such improper cases are there in the next 6 months, the agenda item can be dropped.

(Action by: SEBs/BSNL/DEs (PTCC))

C.2 Compliance for the agenda submitted by MPPTCL, Jabalpur for 103rd CLPTCC meeting.

1) PTCC Route approval for 220KV lines – case pertaining to West Zone only.

Sl.No	Name of the power line	Remark DE PTCC Mumbai
A	220KV DCSS LILO line on 220KV Rewa Bansagar -I (Tons) HPS line for 220KV Sirmour	Route Approval certificate issued on 02-06-2017. Item closed
B	220KV DCSS line from 220KV Chichli SS - 220KV Udaipura SS	(Item shifted as point II of F.2 under New Agenda)
C	220KV DCSS line from 220KV Shujalpur s/s – 132KV s/s Narsingharh (to be upgraded to 220KV)	(Item shifted as point V of F.2 under New Agenda)
D	220KV DCSS line from 220KVRajgarh (Dhar)s/s – 100MW Wind Energy power project of M/s CleanWind power (Ratlam) Pvt. Ltd. (earlier M/s Hero Future Energy Ltd.) at Badnawar ,Dist .Dhar (MP)	(Item shifted as point IV of F.2 under New Agenda)

C.3 Agenda submitted by Rajasthan Rajya Vidyut Prasaran Nigam Ltd. Jaipur, Rajasthan for 103rd CLPTCC meeting – After the examination of all cases NOCs,/IV calculation , RAC will be issued by concerned DE (PTCC) shortly.

The case pertains to North Zone. RAC has been issued for all the case.

(Item closed)

C.4 In the last CLPTCC meeting agenda submitted by Engineer-in-Chief/ Transmission System, Patiala , Case was not discussed in the meeting due to absence of representative from power authority i.e. PSTCL Patiala, however compliance of pending cases would be done shortly by concerned DE (PTCC)/SDE (PTCC).

The case pertains to North Zone. DE(PTCC), North has intimated that all cases are pending due to Telecom details or Railway details or Defense NOC or IV calculation at CEA and SEB. Details status of pending cases are enclosed in Annexure II .

C.5 Agenda from PGCIL, WR-II, Vadodara (Case pertaining to West Zone)

FOR M.P. Portion

1. Projects under system strengthening scheme for WR-NR :

- A1** . 765 KV Jabalpur – Orai (MP436). ----- RAC issued on 3-03-2017 .
Detailed discussions under item (A) G.1 of new Agenda . **(Item closed)**
- A2**. LILO of 765kV S/C Satna – Gwalior tr. Line at ORAI. DET(PTCC), Mumbai reports that proposal has not been received by him. Detailed discussions under item (B) G.1 of new Agenda . **(Item SHIFTED TO NEW AGENDA)**

2. Projects under NTPC-GADARWARA Tr. System :

- (A)** LILO of existing 765kV S/C Seoni – Bina Transmission line at NTPC- Gadarwara (MP444) - - RAC issued on 18-11-2016 **(Item closed)**
- (B)** 765kV D/C Gadarwara STPS – Jabalpur (MP456)- RAC issued on 31-01-2017 **(Item closed)**
- (C)** 765 KV D/C Vindhyachal pooling – Jabalpur pooling STATION (MP449). – **BSNL telecom details have been called for .**
- (D)** LILO of 400 KV D/C Vindhyachal – Jabalpur Trms Line at 400kv REWA pooling substation (MP471) ----- **BSNL TD sent to CEA on 26-04-2017 for IV computation.**

FOR Gujarat Portion

1. LILO of 400 KV D/C Mundra – Limbdi at Bhachau SS: **Item shifted as point (1) of item G.2 of New Agenda.**
(GUJ 2450)
2. Green Energy Corridor Projects :
- (A)** 765 KV Bhuj pooling – Banaskantha TL : **Item shifted as point 2(A) of item G.2 of New Agenda.**
(GUJ-2311)
- (B)** 400 KV D/C Banaskantha – Sankheri TL :- **Item shifted as point 2(B) of item G.2 of New Agenda.**
(GUJ - 2312)
- (C)** 400 KV D/C Banaskantha – Chittorgarh TL: **Item shifted as point 2(C) of item G.2 of New Agenda.**
(GUJ - 2341).
3. 220 kV D/C Ringanwada-Magarwada Tr. Line :- **Item shifted as point (4)of item G.2 of New Agenda.**
Associated with consultancy service to
UT of Daman & Diu (Guj 2256)

D.1 In the last 103 rd CLPTCC meeting at Jabalpur ,the CGM, Inspection circle,Jabalpur & the Director PTCC,New Delhi suggested both the DGM/CFA,Orissa Telecom circle, Bhubaneswar and OPTCL representative present in the meeting to settle the matter amicably by BSNL,Orissa Telecom circle & OPTCL (The case of damaging BSNL cables in Bhubaneswar, by OPTCL during laying of electric cables(vide ref. letter of GM/CFA,Odissa Telecom circle, Bhubaneswar no. OP/16-681/2016-17 dated 15.11.2016 .

DE(PTCC), EZ reports that Action was taken and this item is closed after the discussion in the last SLPTCC meeting held at Bhubaneswar on 28.01.2017.

(Item closed)

E. NEW AGENDA BY CEA FOR THE 104TH MEETING.

E.1 Format for IV Computation – A

SOUTH, NORTH, EAST & WEST ZONE -

Letter dtd 15-03 -2017 from CEA/New Delhi is received and is being followed.

E.2 EPR Guidelines-

DET, PTCC, BSNL, Southern Region vide letter no. SR-PTCC/AND/400 KV Maheshwaram/ Request 100911 dated 28/11/2016 informed CEA that they had received PTCC proposal from Telangana State TRANSCO (TSTRANSCO) for 400kV D/C line from 765kV Maheshwaram (PGCIL) to 400kV Maheshwaram (TSTRANSCO) wherein EPR (Earth Potential Rise) zone values are high for 430 volts. BSNL requested CEA to prepare suitable guidelines in regard to such type of cases.

Accordingly, Chief Engineer, PCD Division, CEA called a meeting on 7thDec., 2016 in his office at New Delhi, wherein Officers from TSTRANSCO, APRANSCO, CEA, DET (PTCC) South Zone, BSNL and SDE (PTCC), North Zone, BSNL participated.

SOUTH ZONE:

1. Even though if the EPR zone values furnished by SEBs along with the proposals are very high , the cases are registered and processed further.
2. As per the guidelines, vide Annexure-III, EPR zones for two such cases were reviewed by TSTRANSCO and RACs were issued for these two cases considering the revised EPR zone values.

EAST ZONE-

Even though if the EPR zone values furnished by SEBs along with the proposals are very high, the cases are registered and processed further.

NORTH & WEST ZONE- No Comments.

The committee decided that, if the theoretical value of EPR zone of the proposed SS furnished by SEBs along with a proposal are found to be high and if any Telephone Exchange fall within the EPR zone of the proposed SS (for 430 v limit) , as per the details furnished by the Field Telecom authorities, the concerned zonal DE (PTCC), can request the SEBs for review of the EPR zone of the SS by reducing the Soil resistance reading, so that the telephone Exchange fall outside the EPR zone of the SS. The revised EPR values along with detailed calculations should be furnished to DE(PTCC), by the SEB. DE (PTCC) considering the revised EPR values and can issue Route Approval certificate.

(Item closed)

E.3 Communication through Email only-

It has been observed that many a times, Power Utility representatives visit CEA office to expedite their PTCC work. Sometimes, they camp at Delhi for number of days and visit every day till the work is done. Such practice disturbs the normal functioning of office. To curb this, it has been decided that all utilities should communicate through Email only i.e. CELDNTCEA@GMAIL.COM. CEA will respond any query within 24 hours. Personal appearance shall not be permitted.

SOUTH, NORTH, EAST & WEST ZONE -

Guidelines being followed.

(Item closed)

E.4 Scrutiny Reports issued by CEA-

While scrutinizing the Proposal, it has been noticed that the Questionnaire submitted by Power Utilities are generally incomplete or not proper – like EPR details are missing, SLD (Single Line Diagram) of substations is not legible, it should be in A3 size, Generator Data incomplete, etc. Though CEA addresses all these in the Scrutiny Reports, but it is noticed that the power utilities response in replying the queries is poor.

The committee decided that all Power utilities should comply with CEA's request.

(Action by: All SEBs)

E.5 Pending PTCC proposals-

Chief engineer, CEA instructed that all cases pending with CEA should be reviewed by the DEs(PTCC) on monthly basis and reported to CEA for further action. He also advised the power authorities also to follow up such cases.

Action by: DEs(PTCC)/SEBs)

E.6 Submission of Softcopy of Telecom details of BSNL & Railways

It has been observed that the telecom details of BSNL in respect of Western and Southern regions are typed and properly furnished. Same is the case with all zones of Railways. It is proposed that BSNL and Railways, while sending telecom details by post to CEA, may also emailed these details at mail ID: CELDNTCEA@GMAIL.COM. It would avoid chances of mistakes in retyping and also expedite the work. It is also proposed that Eastern and Northern regions of BSNL may also send the telecom details in the same way, instead of handwritten details.

DE(PTCC), SZ/EZ/WZ intimated that the guidelines are being followed .

(Item closed)

E.7 Enforcement of PTCC Clearance

For enforcement of PTCC clearance in State sector, the matter was taken up with the Secretaries of the States for inclusion of PTCC clearance in the Performa of State Electrical Inspectors, so that prior to charging of transmission line, PTCC clearance is ensured.

For those power lines where one or more railway crossing falls in the proposed route of power line, it is observed that the concerned Railway allow railway crossing (s) to the Power Authority without asking for PTCC clearance. In this process, Railway insists alignment of power line perpendicular to railway crossing for few meters on either side. With the result, the Power Authority feels relaxed and seriousness is not given for timely seeking of PTCC clearance. There have been instances when few lines were charged even without PTCC clearance. In case of such occurrences, Railway could be at risk in the sense that the railway route beyond railway crossing can become parallel to power line alignment and there could be chances of induced voltage.

From safety point of view, in case, Railway authorities do not allow railway crossing to the Power Authority without PTCC clearance or CEA's calculated Induced Voltage, then the Power Authority would be forced to submit PTCC proposal timely and seek PTCC Clearance. It would also help Power Authority as NOC from the concerned Railways would be available at the time of railway crossing permission itself, and they need not pursue the Railways for NOC at later stage. It would also help CEA and BSNL, as the issue of PTCC clearance would be taken up during construction stage itself and not at the last stage before charging of line, as being generally done by Power Authorities. The Power

Authority members of the Committee did not agree with CEA's proposal as they opined that this would delay the Railway crossings. The Committee decided that CEA may take up the issue with the State Load Despatch Centres (SLDCs) and request them not to issue charging code to any Transmission Licensees without PTCC approval.

(Action by CEA)

E.8 Use of Email by Railways and Defense

N.E.Railway, Gorakhpur, has informed that there have been cases during the period year 2013 to 2015 where CEA's Induced Voltage (I.V.) comments are pending. On scrutiny, it was found that in two cases, Route Approval Certificate (RAC) has already been issued by the BSNL, and in a few cases CEA has issued I.V. comments without N.E. Railways, as their information was not available and instead Northern Railway information was available, and the cases were disposed of with information received from Northern Railway.

It has been observed that from Survey of India (SOI)'s Topomap, it is difficult to know how many railway falls within 8 KM periphery of proposed power line, and as such there can be a chance to miss some railway details, as has been done in case of N.E. Railways. To curb this, it is proposed that whenever Railways and Defense send their details to CEA, they may invariably also email the same (without topomap) to CEA at CELDNTCEA@GMAIL.COM, as a backup. .

(Action by: Railways/Defence)

F. NEW AGENDA BY M P POWER TRANSMISSION CO. LTD. JABALPUR

F.1 COMPUTERIZATION OF PTCC ROUTE APPROVAL PROCESS:

The PTCC Route Approval cases could not be uploaded in the portal since related/respective Railway Zones viz WCR, NCR, SECR are not visible in the portal. The Central PTCC is requested to issue suitable instructions in the matter.

As per PTCC portal in charge Hyderabad **User for Railway zone NCR, WCR, NER & SECR is created in PTCC portal and now it is visible.**

(Item Closed)

F.2 PTCC ROUTE APPROVALS FOR 220 KV LINES:

I. LILO of one circuit of Rewa 220-Bansagar (Tons) 220KV DCDS line at proposed 220KV S/s Sirmour (Case No.MP-424)

The case was submitted by this office letter No.3766 dt. 18.05.15 for registration to DET (PTCC), Mumbai and submission of telecom details to BSNL and WCR. The case was submitted to the Director General of Signals H.Q., New Delhi vide this office letter dated 20.03. 2017. TCD received from WCR vide letter No. case 136 dt. 28.05.15. WCR has conveyed NOC for construction of above line vide letter dt. 28.05.2015. Forwarding of Telecom Circuit details are requested from DET (PTCC), Mumbai.The Central PTCC is requested to issue suitable instructions in the matter.

Already discussed vide (A) of Item C.2 above

(Item closed)

II. 220KV DCSS line from Chichli 220 KV S/s to proposed 220KV S/s Udaipura (Case mark No.426)

This case is sent to TDM, Narsingpur on 13.07.15 for TD, then after reminder on 29.09.15, 22.12.15, 17.03.16, 28.06.16, 24.09.16, 17.01.17 & 15.03.17 during SLPTCC meetings. Recently, telephonic discussion with Nodal Officer, he assured to submit the same at the earliest.
(Item same as point under (B) of Item C.2 above)

(Action by: DE(PTCC),WZ,Mumbai)

III. 220kV DCDS line for LILO of one circuit of Badod-Bhanpur/Modak line at proposed 220/33kV S/s of M/s Marut Shakti Energy India Ltd. at Nepania under consumer contribution work (Case mark No. MP-433):-

The case was submitted by this office letter no. 8427 dt. 20.10.2015 for registration to DET (PTCC) Mumbai and submission of Telecom details to BSNL, WR and WCR. WCR has forwarded the TCD vide letter dated 15.12.2015. An early action for submission of telecom circuit details are requested from WR & BSNL. The Central PTCC is requested to issue suitable instructions in the matter.

Telecom Details forwarded to CEA on 25.05.2017 for IV Calculation.

(Action by: DE(PTCC),WZ,Mumbai)

IV. Construction of 220kV DCSS line from 220kV S/s Rajgarh(Dhar to 100MW Wind Energy Power Plant of M/s Clean Wind Power(Ratlam) Pvt. Ltd. (earlier M/s Hero Future Energy Ltd.) at Badnawar Distt. Dhar(Case No. MP-440)

TD sent to CEA ND on 17.01.2017 for IV Calculation. As per letter from CEA New Delhi vide no. CEA/PCD/103 CLPTCC/704.07 dated 24.03.2017, Railway detail is pending
(Item same as point under (D) of Item C.2 above)

(Action by: CEA/NEW DELHI)

V. 220KV DCSS Shujalpur-Narsingarh from existing 220KV S/s Shujalpur to 132 KV S/s Narsingarh (to be upgraded to 220KV) (Case mark No, MP-441):-

TD received from TDE Rajgarh at Biaora & sent to TDM Shajapur on 22.03.2017. recently, telephonic discussion with Nodal Officer, he assured to submit the same as earliest. As per CEA letter dated 24.03.2017 defense detail is also pending.DE PTCC,WZ assured that BSNL TD will be sent to CEA within 15 days.
(Item same as point (C) of Item C.2 above)

(Action by: DE(PTCC),WZ,Mumbai)

VI. Construction of 2nd Circuit of 220KV DCDS line from 220KV S/s Sidhi to M/s Mahan Aluminium Project Plan of M/s Hindalco Industries Ltd. at Barghwan Distt. Singrauli (Case Mark No.MP-463):-

Telecom details recently received from BSNL field unit, will be submitted shortly to CEA, New Delhi towards IV calculation.

(Action by: DE(PTCC),WZ,Mumbai)

G New Agenda points from PGCIL, WR-II, Vadodara

G.1 FOR M.P. Portion

1. Projects under system strengthening scheme for WR-NR :

(A) 765 KV Jabalpur – Orai TL :- (Target Completion: - June / July - 2017)

{Case No. CEA: MP-400 & DET-PTCC-Mumbai case No. MP-436 & DET-PTCC-New Delhi case no. UP-639}

1. Vide letter dated 31.03.17, DET-PTCC-Mumbai has issued the PTCC route approval for MP portion with terms & condition of installation of G.D. tube with particular telecom lines. Vide letter dated 26.04.2017, SDE-PTCC-New Delhi also issued the route approval for UP portion with terms & condition of installation of G.D. tube with particular telecom lines. {Based on Induced voltage calculations intimated from Director-PTCC-CEA-New Delhi office vide letter dt.10/02/2017}.
2. Vide Letter dated 11/04/17 & 27/04/17, requested to SDE PTCC Bhopal with a copy to GM (S&T), BSNL – Jabalpur office to provide the cost estimate for installation of G.D. tubes as per PTCC procedures.

(Action by: SDE(PTCC),BHOPAL)

(B) LILO of 765kV S/C Satna – Gwalior tr. Line at ORAI SS

(Target Completion: -June/July -2017){Case No. CEA: MP-410 & DET-New Delhi UP-UP-643}

1. Vide letter dated 12.05.17, CEA-New Delhi has forwarded the I.V. calculation details to DET PTCC New Delhi with copy to DET PTCC Mumbai, wherein, Induced voltage more than 430V is at two portions (434 V in Ait – Pachkhara & 644V in Ait - Bharsunda).
2. The subject transmission line is under completion and targeted for commissioning by June / July-2017, hence, Central PTCC has to intervene and directed to BSNL-Jabalpur / Lucknow office for providing immediately the cost estimate towards deposit of money by POWERGRID.

MATTER MOST CRITICAL

(Action by: DE(PTCC),WZ,Mumbai)/NZ, DELHI)

2. Projects under NTPC-GADARWARA Tr. System :-

765 KV D/C Gadarwara – Warora Transmission line associated with Gadarwara Transmission System (Part-A) : (Target Completion :- Sep-2017)

{Case No. CEA: MP-412 & BSNL Mumbai case No. MP-465, SDE PTCC-Bhopal case no. MP-729}

1. Vide letter dated 10/01/17, SDE PTCC Bhopal request for co-ordinate with local telecom officers for submission of telecom details. Telecom details awaited from local BSNL office comprising Narsinghpur and Chhindwara. Matter being pursued with Narsinghpur & Chhindwara office for expediting to mark the telecom details and submission of proforma.
2. Vide letter dated 12/01/17, WCR – Jabalpur forwarded the telecom details to Director CEA New-Delhi for I.V. calculation.
3. NOC received from Directorate General of signals on dated 10/04/2017.

Matter to be expedited with BSNL-Narsinghpur and Chhindwara offices.

- Telecom details completed in Chhindwara SSA and It will be completed soon in Narsinghpur SSA.

(Action by: DE(PTCC),WZ,Mumbai)

3. 765 KV D/C Vindhyachal pooling – Jabalpur pooling transmission line under system Strengthening scheme associated with Vindhyachal – V : {Case No. CEA: MP-412}

(Case submitted to 17/03/16 to all concerned)

1. Letter forwarded to all concern Railway & BSNL authorities on 17/03/16 for marking of Railway & BSNL telecom details.
2. NOC received from Directorate General of signals on dated 10/04/17.
3. letter dt. 15/07/16, DET-PTCC-Mumbai has forwarded the details to SDE-PTC-Bhopal and marking of BSNL- Telecom details from the office of SDE-PTCC-Jabalpur and Damoh / Waidhan, Sidhi and Satna offices.

Matter most very critical, as marking of BSNL telecom details is pending for the past 9 months.

(Action by: DE(PTCC),WZ,Mumbai)

4. LILO of 400 KV D/C Vindhyachal – Jabalpur Ckt – 3 & 4 at REWA substation associated with Ultra Mega Solar Power Park at REWA:-

{ Case No. CEA: MP- 408 & BSNL Mumbai case No. MP-471, SDE PTCC-Bhopal case no. MP-721}

1. NOC received from WCR – Jabalpur & Director General of Signals

2. DET PTCC Mumbai vide letter dt. 26/04/17 has forwarded the telecom details to Director CEA-New-Delhi for working out the Induced Voltage calculations.

Target for commissioning of the line by July-2017

- **To be expedited from Director-PTCC-CEA-New Delhi for Induced Voltage calculations.**

(Action by: CEA/NEW DELHI)

G.2 FOR Gujarat Portion

1. LILO of 400 KV D/C Mundra – Limbdi at Bhachau SS: (Target Completion :- June -2017) (Case submitted to 11/07/16 to all concerned) { CEA case no. MRA-1117, BSNL case no. GUJ-2450}

1. NOC received form Directorate General of signals on dated 27/09/16.

2. WR-Mumbai forwarded the Railway telecom details to Director CEA-New Delhi. DET PTCC Mumbai forwarded the telecom details to Director CEA-New Delhi pn 24/05/17}.

3. EPR & system data details forwarded to CEA New – Delhi vide letter dated 25/05/17.

Target for commissioning of the line by July-2017.

- **To be expedited from Director-PTCC-CEA-New Delhi for Induced Voltage calculations.**

(This is same as point no 1 item C.5 above)

(Action by: CEA/NEW DELHI)

2. Green Energy Corridor Projects :

(A) 765 KV Bhuj pooling – Banaskantha TL : (Target Completion :- Aug-2017) (Case submitted to 09/09/16 to all concerned) {DET PTCC Case No. GUJ-2311, CEA Case No. GUJ-709}

1. NOC received form Directorate General of signals on dated 16/02/16

2. WR- Mumbai forwarded the telecom details to Director CEA New-Delhi vide letter dated 03/05/2017. Vide letter dated 25/05/2017, DET PTCC-Mumbai forwarded the telecom details to Director PTCC New-Delhi.

- **To be expedited from Director-PTCC-CEA-New Delhi for Induced Voltage calculations**

(This is same as point (A) under 2 of item C.5 above)

(Action by: CEA/NEW DELHI)

(B) 400 KV D/C Banaskantha – Sankheri TL :- (Target Completion:- Dec-2016) (Case submitted to 09/09/16 to all concerned)

(BSNL Case No. GUJ - 2312 - CEA CASE NO. Guj-710)

1. Railway telecom details from Western railway on dated 03/11/2015 **(SG.158/28/12-609)** are already forwarded to Director-PTCC-CEA-New Delhi.

2. Vide letter dated 04/04/17, DET PTCC-Mumbai forwarded the telecom details to Director-PTCC-CEA-New Delhi.

3. NOC received form Directorate General of signals on dated 23/02/2016.

4. Vide letter dated 25/04/2017, requested to Director-PTCC-CEA-New Delhi for processing of I.V. calculation & expediting the PTCC case.

- **To be expedited from Director-PTCC-CEA-New Delhi for Induced Voltage calculations**

(This is same as point (B) under 2 of item C.5 above)

(Action by: CEA/NEW DELHI)

(C) 400 KV D/C Banaskantha – Chittorgarh TL :- (Target Completion :- Feb-2017) Case submitted to 14/04/16 to all concerned) (BSNL Case No. GUJ - 2341)

1. Railway telecom details from Western railway on dated 03/11/2015 **(SG.158/28/12-637)** are already forwarded to Director-PTCC-CEA-New Delhi for further processing.

2. Vide letter dated 04/04/17, DET PTCC-Mumbai forwarded the telecom details to Director-PTCC-CEA-New Delhi.

3. NOC received form Directorate General of signals on dated 01/06/2016. Vide letter dated 25/04/2017, requested to Director-PTCC-CEA-New Delhi for processing of I.V. calculation & expediting the PTCC case.

- **To be expedited from Director-PTCC-CEA-New Delhi for Induced Voltage calculations**

(This is same as point(C) under item 2 of c.5 above)

(Action by: CEA/New Delhi)

3. 400 KV D/C Mundra-Bhuj Pooling SS transmission line associated with tr.system for system strengthening associated with Mundra UMPP Part-B. (Case submitted to 19/05/17 to all concerned)

1. PTCC case submitted to all concerned authority vide letter dated 19.05.17.

Vide letter dated 22/05/17, request to Director General of Signals for marking of Defence telecom circuit details.

DE PTCC Mumbai received proposal on 29.05.2017 and It is under registration process.

4. 220 kV D/C Ringanwada-Magarwada Tr. Line :- (Case submitted to 13/07/15 to all concerned) { CEA case no. GUJ-701, BSNL Mumbai case no. GUJ-2256}

1. PTCC case submitted to all concerned authority vide letter dated 13.07.15.

2. CEA vide their letter ref. no. CEA/PCD/PTCC/W. Rly/552 dt.18/08/15 addressed to CSTE-WR-Mumbai has conveyed that route map marking from Western Railway was not received and only Proforma-A&B only received. After further follow-up with Western Railway, Mumbai, the same is forwarded to CEA-new Delhi.

3. Vide letter dated 27/05/2015, DET PTCC Mumbai requested to SDE-PTCC-Ahmedabad for telecom details.

4. NOC received from Directorate General of signals on dated 01/03/2017.

5. **Matter to be expedited from DET-PTCC-Mumbai for forwarding the BSNL details to Director-PTCC-CEA-New Delhi towards further issuance of Induced Voltage Calculations.**

MATTER MOST CRITICAL AS THIS IS VERY OLD CASE AND LINE IS NOW TARGETED FOR COMMISSIONING BY 15/06/2017.

DE(PTCC), WZ REPORTS Telecom details will be submitted WITHIN 3 WEEKS TIME .

(This is same as point 3 of item C.5 above)

(Action by: DE(PTCC)/Mumbai)

G.3 FOR Maharashtra & Gujarat Portion

400 kV D/C Kala(AP45A) – Kudus transmission line { CEA case no. MRA-1108, BSNL Mumbai case no. MRA-2256}

1. Vide letter dated 20/05/2017, DET-PTCC-Mumbai forwarded the telecom details to Director-CEA-New-Delhi.

2. Vide letter dated 22/05/17, System data details & EPR zone details forwarded to DET-PTCC-Mumbai.

3. NOC received from Directorate General of signals on dated 21/02/2017.

4. I.V. calculation details awaited from Director CEA-New-Delhi.

Target for commissioning of the line by July-2017.

- To be expedited from Director-PTCC-CEA-New Delhi for Induced Voltage calculations.

(Action by: CEA/New Delhi)

H. New Agenda from APTRANSCO Vijaywada:

400 kV Twin Moose DC line from Rayalaseema (Stage-IV) TPP – Peddajangampalli-Chittoor 400 KV SS

Vide letter dated 01.06.2017, NOC from concerned Railways and Telecom details from BSNL has not been submitted inspite of induced voltage is within safe limit. In this connection-

1. Expedite in issuance of clearance from Railway and BSNL Authorities within stipulated time.

2. It is requested to give online standard format to the field Telecom officers to furnish telecom details to be sent to DE PTCC Chennai to avoid unnecessary delays.

3. Concerned officials shall be held responsible for the delay in furnish of details/ approvals.

DE(PTCC), SZ reports that RAC for the case issued on 01-06-2017, after receipt of NOC dtd 31-05-2017 from South Central Railway.

(ITEM CLOSED)

I. New Agenda raised by ER POWERGRID

Shri S.J.Lahari DGM(Engg), ER. POWERGRID raised agenda at the end of the meeting with the permission of the chair. He requested for charging of 132 kv lines associated with HVDC system.

The Committee decided that this matter would be looked after by a Sub Committee.

(Action by Chairman & Co-Chairman)

- The meeting ended with vote of Thanks by **Shri. H.L.Badgainya** , SDE QA & Inspection Circle, **Jabalpur** after elaborate discussions and deliberations on the Agenda points of the meeting.

ANNEXURE-I

LIST OF PARTICIPANTS FOR THE 104th CLPTCC MEETING HELD ON 9th JUNE 2017 AT MYSORE.

Sl. No.	Name Of Participant	Company Name	Designation and Station	Mobile number	Email id
1	Shri T.V.Venkat Ram	BSNL	PGM, Bangalore	9448010194	pgmsinga@bsnl.co.in
2	Shri A.K.Mishra	BSNL	GM(HQ&INS) JBP	9453048900	gmhqqa@bsnl.co.in
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4	Shri V.M.Khare	POWERGRID	GM Bangalore	9480687467	vkkhare@powergridindia.com
5	Shri S.P.Abraham	CEA	Director PCD ND	8860217159	Sunnyp2.cea@gmail.com
6	Shri Kausar Khan	BSNL	GM(N), ND	9466000888	gmqaandinspection@gmail.com
7	Shri A.K.Jha	BSNL	GM(West) MBI	9422528999	gmwest@bsnl.co.in
8	Shri A.K.Sinha	BSNL	GM(East) KOL	943300085	gmeastbsnl@gmail.com
9	Suwendu Sechar Sabat	OPTCL	Dy Manager Bhub	9438907906	ele.sssabat@Optel.co.in
10	Shri Majunath S.Hebbal	Hubbaly	S.W.R	9997297758	lctele@swrrailway
11	Shri S.Balakumar	Vadodara	POWERGRID	9428504066	sbalakumar& power gridindia.com
12	Shri A.K.Singh Samanta	Bhubaneswar	POWER Grid	9437089900	
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23	Smt. D.Sasikala	BSNL	JTO(PTCC)CHI	9444000440	deptccchi@gmail.com
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25	Shri N.K.Singh	BSNL	SDE(PTCC)ND	9412751115	deptccnd@gmail.com
26	Shri S.B.N.Sarat Kumar	BSNL	AGM(OP)Vijaywada	9440000344	sdemiscouj@gmail.com
27	Shri K.M.V.Sambasiva Rao Gupta	BSNL	SDE, VJA	9490188428	sdemiscovj@gmail.com
28	Shri Nitin Pawar	ARMY	Lt. Col. Pune	8411003540	nitinrpawar29@gmail.com

				7542023788	
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36	Shri K.Arasu	Railways	Sr.Div. Engineer Mysore	--	arasu_swr@yahoo.co.in
37	Shri R.P.Singh	CEA	Dy. Dir. ND	9716118973	rp_cea@ymail.com
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45	Shri V.Ganeshan	BSNL	DGM A/T, CHI	9444000450	dgmatsr@gmail.com
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47	Shri A.K.Nagar	BSNL	DGM, ND	9868845325	desqosnd@gmail.com
48	Shri Sandeep Govil	BSNL	PGM, Assam	9426513500	
49	Shri H.L.Badgainya	BSNL	SDE(PTCC),JBP	9425801083	hlb_raj@rediffmail.com
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STATUS OF Punjab PSTCL PTCC Cases Letter_dtd.09.11.2016

Sl. No.	Circle	Capacity	Route Name	Route Length	Date of reference	Telecom details	Rly Details	Defence NOC	IV calc	Pendency for
1	Punjab	220 KV D/C	On DC Towers from Boilianwala - Mastewal L-662	11.798	24.05.11	YES	YES		CEA dt.13.09.11.	telecom details to be recollected
2	Punjab	220KV LILO	LILO BTI -Malout line LILO for Badal L-663	25.15	24.05.11	YES	YES			telecom details to be recollected
3	Punjab	220 KV S/C	Bhalwan - Nabha line L-679	20.518	27.07.12	YES	Pending		CEA DT 04.10.12	telecom details to be recollected / Railway pending
4	Punjab	220 KV LILO	To Bangan from Patran - Sunam line L-680		06.08.12	YES	YES		CEA DT 04.10.12	case not registered with CEA
5	Punjab	220KV	Moga-Mehal Kalan Line L-723	52.654	15.10.15	Pending	Pending			Telecom & Railways details
6	Punjab	220KV	Nabha - Naraingarh (Bhawaniagarh) L-724	20.789	15.10.15	YES / 20.01.2017	Pending			Railway details
7	Punjab	220KV	Makhu- Dharam Kot Line L-725	21.266	15.10.15	Pending	Pending			Telecom & Railways details
8	Punjab	220KV D/C	Bhalwan -- Dhanaula T / Line L-726	37.6	14.12.2015	Pending	Pending			Telecom & Railways details
9	Punjab	220KV D/C	Mukisar to Malout L-727	23.575	15.1.16	Pending	Pending			Telecom & Railways details
10	Punjab	66 KV S/C	66 KV S/C from 220 KV S/Stn Mehalkalan- 66 KV S/Stn Thikriwal DC Towers L-682	9.802	25.09.12	YES	YES		PSPCL Dt.24.11.2012	IV Calculation with SEB
11	Punjab	220 KV D/C	220 KV D/C Nakodar -Kartarpur T/Line L-708	26.84	31.01.14/06.02.14	YES	YES		Pending	IV Calculation with CEA
12	Punjab	220 KV	Balachak to S/S Naraingarh L-718	16.63	24.12.2014	YES	YES		Pending	IV Calculation with CEA
13	Punjab	220KV LILO	LILO of both ckts of existing Moga-Ferozpur line at Talwandi Bhai s/stn. L-728	1.4	1.3.16	YES	Pending			telecom details to be recollected / Railway pending
14	Punjab	220KV	220KV Line Malout to Abohar L-729	29.944 km	16.03.2016	Pending	Pending			Telecom & Railways details
15	Punjab	220KV D/C	Towers from Bahadurgarh - Devi Garh T/Line L-667	28.059	08.07.11	YES / 20.01.2017	YES	Pending	CEA DT 23.03.2015	Pending with CEA for IV / Defence pending
16	Punjab	220 KV D/C	220 KV D/C Mukisar - Koikapura(Sandhwan) line L-688	38.18	22.10.12	YES	YES		CEA DT 14.01.2013	telecom details to be recollected
17	Punjab	66 KV D/C	From Madhir -Kot Bhai L-707	7.528	21.06.11/04.11.13	YES	YES		PSTCL Dt.31.8.15	IV Calculation with SEB
18	Punjab	220 KV D/C	From 400 KV S/S Dhuri (Balwan)- Bangan on DC Tower L-698	50.343	08.03.13	YES	YES		CEA DT 23.03.2015	case not registered with CEA
19	Punjab	220 KV S/C	400 KV S/Stn Ludhiana - Doraha L-700	27.063	09.05.13	YES	YES	Pending	CEA DT 23.03.2015	Defence details pending
20	Punjab	220 KV Loop Out	Dhuri-Bhalwan Loop Out line (LILO of 220 kv Dhuri to Sunam at 400 kv Bhalwan stn) L-698	13.552	29.01.13/ 2.2.13	YES	YES	Pending	CEA DT 23.03.2015	case not registered with CEA / Defence details pending

Gist of Discussions held in the meeting taken by Chief Engineer, CEA on 07/12/2016 in regard to Guidelines for EPR

The Gist of Discussions is as under:

- (i) On Scrutiny, it was observed that APTRANSCO and TSTRANSCO have taken 3-phase fault current to calculate EPR Zone whereas it has already been decided in 102nd CLPTCC meeting that **SLG (Single Line to Ground) fault current** is to be considered for EPR Zone calculation. APTRANSCO and TSTRANSCO stated that they were not aware of this decision; and agreed to revise EPR zone calculation considering SLG fault current.
- (ii) It was observed that APTRANSCO and TSTRANSCO have furnished EPR zone values for existing substations also. CEA clarified that it has already been decided in 94th CLPTCC meeting that EPR zone values are to be furnished for **Proposed (NEW) Substation** only. Power authorities are not required to submit EPR zone values for already existing (OLD) substations. APTRANSCO and TSTRANSCO stated that they were not aware of this decision, they had furnished EPR zone values for the existing substations as well. However, they agreed to take care of this aspect while furnishing the revised EPR zone values to DET (PTCC), BSNL, South zone. BSNL agreed that while processing PTCC proposals, they would consider EPR zone values of NEW / Proposed substations only; for example, in case of PTCC proposal for 400kV D/C line from 400kV Kalpaka substation to 400kV Maradam (Garividi) substation, 400kV Kalpaka substation is an existing substation and hence its EPR zone values need not be furnished in the proposal.
- (iii) CEA stated that while calculating EPR zone, the power authorities should consider dimension of Earth Mat only and not the dimension of complete substation. APTRANSCO and TSTRANSCO clarified that they have considered Earth Mat dimensions only.
- (iv) Referring PTCC Manual (Note on the top of page no. 86), CEA stated that the resistance of Earth Mat should normally be not more than 1 ohm. The Power Utilities should take care of this aspect while submitting EPR calculations along with the PTCC proposals.
- (v) TSTRANSCO stated that Earth Mat resistance changes with commissioning and earthing of Substation's electrical equipment; and generally it reduces to half. CEA stated that it depends upon case to case basis and can't be decided in the meeting. However, in case the power authority finds change in earth mat resistance later on then the revised EPR calculation with supporting documents can be furnished to the concerned DET (PTCC) of BSNL.
- (vi) Regarding not registering of PTCC cases by DET, BSNL, South zone, CEA stated that BSNL should not stop registering the case even when EPR zone values for proposed NEW substations are high. While forwarding the case to field staff for telecom cables making, DET may seek details of Telephone Exchange(s) falling in EPR zone furnished by Power Authority for the proposed substations. In case, Telephone Exchange(s) exist, the matter may be taken up with the Power Authority for review of EPR zone. In regard to BSNL contention that Telephone Exchange can come in future in the specified EPR zone, CEA clarified that in that case BSNL would be lateral entrant and cost of protection would be borne by BSNL. BSNL informed that now a days BTS are being erected at a shorter span and require protection from EPR. CEA stated that BSNL may take up the issue of BTS as a separate agenda item in the next CLPTCC meeting.

(vii) TSTRANSCO stated that sometimes line length is very small but PTCC clearance takes lot of time. Referring PTCC Manual (page no. 172), CEA stated that if length of power cable is less than 0.8 km then telecom details are not to be called for. Further, under clause 6.17 at page-22 of PTCC Manual, it is mentioned that BSNL will not mark telecom details if telecom cables are less than 5 km in length and more than 2 km distance from proposed power line. These provision would ease work of BSNL and Power Authorities.

(viii) APTRANSCO stated that in one case, they are still waiting for Defense clearance though PTCC proposal was sent to Defense in June, 2016. CEA stated that PTCC proposal to Defense is to be sent by Indian Post Service at following address:

**Director, Directorate General of Signals,
(Signal-7), General Staff Branch,
Integrated HQ of MOD (Army),
Sena Bhavan, DHQ PO, New Delhi-110 105**

In case no response is received from Defense in 3 months' time then it is advised that a set of PTCC proposal may again be sent to the Defense authorities by Indian Post Service at above address because Defense normally clears PTCC proposal in 3 months' time and thereafter it can be presumed that the earlier PTCC proposal was somehow not received by them.

(ix) Director (PTCC), CEA advised Power Authorities that PTCC proposals should be submitted properly i.e. strictly as per Questionnaire given at Page no. 179-181 of PTCC Manual.

(x) TSTRANSCO stated that no response is received from East Coast Railway. CEA asked details in this regard to take up the matter with the East Coast Railway.

(xi) CEA stated that DET, BSNL, Kolkata has recently issued a letter to the Power Authority wherein they have furnished the contact details of concerned BSNL field officers, to expedite marking of telecom details. CEA opined that this practice may be adopted by all DETs immediately after registering the PTCC cases, as this would ultimately help in early marking of telecom details.

(xii) TSTRANSCO enquired whether revised EPR zone values need to be again registered online. BSNL clarified that online registration for revised EPR may not be required, only hard copies may be submitted in the concerned DET office.