

**Central Electricity Authority
Power Communication Development Division**

**Minutes of 105th Central PTCC meeting held at
Kochi, Kerala on 10th November, 2017**

The 105th Central PTCC meeting was held in Kochi, Kerala, on 10th November, 2017. The meeting was hosted by Power Grid Corporation of India Limited (PGCIL), SR-II. The lighting lamp ceremony was performed by Shri Naresh Bhandari, Chief Engineer, CEA & Chairman of CLPTCC, Shri B.K. Jog, Chief General Manager, BSNL, Inspection Circle, Jabalpur & Co-Chairman, CLPTCC, Shri S.P. Abraham, Director (PTCC), CEA & Secretary (Power), CLPTCC, Shri M. K. Seth, Chief General Manager, BSNL, Assam and Shri S. Ravinder Kumar GM, PGCIL, SR-II. The meeting was attended by dignitaries from BSNL, CEA, Railways, Defense and State/Central Power Utilities.

The list of participants is enclosed at **Annex-I**.

Shri S.P. Abraham, Director (PTCC), CEA welcomed all officers on the dais and all other officers from BSNL, Defense, State and Central Power Utilities. He stated that Central Electricity Authority processed 73 Nos. of PTCC proposals from April, 2017 to October, 2017 (covering 1853 KMs of 765kV lines and around 3000 KMs of 400KV & 220kV lines). CEA has received 89 new proposals during this period. He stated that efforts are being made to carry out the Induced Voltage (IV) computation upon receipts of all required details from BSNL, Defense and Railways.

Shri B.K. Jog, CGM, BSNL stated that PTCC was constituted in 1949 and had been in existence for the last 67 years. It has played a vital role in solving various issues related to PTCC route approval and ensuring the co-existence the power and telecom sector. He also stated that the process of the PTCC route approval cases had been streamlined to some extent by making the process online. The PTCC Computerization is required to be developed further by way of updation of Server, making the users more familiar and accustomed with portal, etc. Instances have been noticed, where power companies had charged lines without taking PTCC approval, which is very serious issue as it endangers the safety of Telecom Equipment and life of personnel. Instructions have been issued to all CGMs of Telecom Circles to inform such cases, so that necessary actions can be taken against defaulting power companies. He added that some problems were being faced in the portal like processing speed, limitation of uploading certain documents like TOPO map due to capacity constraints of the existing server. The same is to be taken care of in the Version 2 of the software. He informed that the authorization for procurement of Server had been accorded to QA and Inspection circle by BSNL Headquarter and assured that high capacity Server would be procured and installed before the next CLPTCC meeting.

Shri Ravinder Kumar, GM, PGCIL, SR-II stated that he had been closely associated with execution of power lines for the last 16 years and for getting PTCC clearance he faced no problem. He suggested that a data base might be created for power and telecom lines, with details of route alignment. It would help in expediting PTCC clearance.

Shri M.K. Seth, CGM BSNL said PTCC forum was doing satisfactory work. He stated that power was essential ingredient for growth of country, and for speedy PTCC clearance, coordination between Power sector and Telecom sector was essential.

Shri Naresh Bhandari, Chief Engineer, CEA & Chairman, CLPTCC thanked PGCIL, SRTS-II for hosting the 105th CLPTCC meeting and for making nice arrangements for the meeting. He welcomed all the participants and thanked them for having come to Kochi. PTCC forum is in existence since 1949 and involves four different organizations i.e. Railways, Defence, Telecom and Power Sector. It is a challenging job to co-ordinate with all the organizations and require

huge efforts. Such efforts can be streamlined and shortened by making computerization of PTCC process. He emphasized that once PTCC portal became fully functional then it would be paperless working and the delays would be minimal.

Shri Bhandari stated that with the ongoing Government impetus for Renewable generations, the number of PTCC cases involving renewables had gone up. Since the length of power line involved in evacuation of renewable generation is generally small, there is a need to review the existing time limits given in PTCC Manual. Further, he added that Government in 2017-2022 is envisaging to add around 1 lakh Circuit KM of transmission lines at 220kV and above level. It means roughly 20000 Circuit KM addition per year, and accordingly need for PTCC. He solicited better coordination from all stakeholders for faster PTCC approvals.

A. Confirmation of Minutes of previous meeting

The Minutes of the 104th Central PTCC meeting held at Mysore on 9th June 2017 were taken up for confirmation and all the members confirmed the minutes.

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

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

All DETs (PTCC), BSNL informed that there were no unguarded power crossings in their respective zones. CGM, BSNL, Jabalpur opined that there should be more vigilance by BSNL personnel about this matter. It was suggested that DETs during SLPTCC meetings might also go for random site visit to check this aspect. CGM, BSNL Assam circle opined that this item might be included in standing agenda of every SLPTCC meeting. It was decided that DETs would seek complete data of line crossings from the power utilities.

Regarding the fire incident occurred on 22.03.2013 at store in the compound of Talegaon Dabhade Telephone Exchange in Pune (Maharashtra), BSNL informed that damage of Telecom assets was due to falling of power conductors resulted in fire. Subsequently, power lines have been shifted.

(Action: All DETs, BSNL)

B.2 Computerization of PTCC Route Approval Process

Regarding use of existing ONLINE PTCC portal, power utilities expressed difficulties. There is no separate categorization of lines i.e. 220kV, 400kV, 765kV. Utilities are not able to get the SMS alert at each stage like BSNL marking is over, Railway marking is over, Defense NOC has come, CEA IV Computations is released, etc. CEA informed that they were not able to upload IV comments.

Sri. K. Raji Reddy, BSNL, Hyderabad, involved in the digitization of PTCC process informed that following steps could be done online now:

- i) initiating the proposal
- ii) details including questionnaire, except TOPO map, can be uploaded
- iii) DETs can do verification and after verification DETs will issue Unique Registration Number and send the case to SSA concerned for field marking. But for actual field marking and getting the marked information from SSA, it is being done manually.

He informed that due to limitation of infrastructure / hardware, power authority can upload documents with file size of up to 5 MB only. SMS alert at each stage is not possible with present server. He stated that after generation of Unique Registration Number, file tracking was possible. For PGCIL, user id in each state has been provided and all new proposal of PGCIL from that particular state will be registered through the allotted user ID.

On the front of achievement, Shri Reddy informed that out of 847 old cases, 486 cases were processed through Portal in one year. Total 878 new cases have been registered from April 2016 to till date, and 266 cases have been completed.

CGM, BSNL, Jabalpur stated that authorization of procurement of Server has been accorded to QA and Inspection circle by BSNL Headquarter, and assured before the next CLPTCC meeting new hardware / Server will be installed. There would be improvement in the process of computerization like processing speed, limitation of uploading of certain documents like Topomap etc. which are being faced currently due to capacity constraints of existing server.

Chief Engineer, CEA suggested that the feedback received from TSTRANSCO and CEA in the last CLPTCC meeting might be taken care of suitably. DET Chennai said all feedback and suggestions would be utilized.

In the last meeting, it was decided that BSNL would form a Sub-Committee with members from CEA, BSNL, Railways, Defense and Power Utilities to review and study the suggestions/feedback for development of the Portal. CE, CEA stated that names from power side would be suggested by them.

(Action: BSNL, CEA)

B.3 SLPTCC meetings

During discussion, it was decided that in every State Level PTCC meeting, the concerned State would furnish status of power lines already charged, as well as power lines under construction, along with their PTCC Route approval status. This shall be a permanent agenda.

Chief Engineer, CEA stated that SLPTCC meetings were very important because field level information was collected and discussed more effectively. Hence, its frequency may not be altered. BSNL, if required, may club two or more states in the SLPTCC meetings, but frequency of meeting should remain unchanged i.e. once in three months.

BSNL stated that OPTCL has charged few lines without PTCC. OPTCL requested that in case of energization of such lines, BSNL may communicate with Heads of concerned Discoms and also OPTCL. OPTCL would apply for post facto PTCC approval. Regarding losses suffered, BSNL may take up the matter with OPTCL directly.

(Action: BSNL, OPTCL)

B.4 Nomination of members from DISCOMs for SLPTCC meetings

DETs (PTCC), BSNL, Eastern, Western, Southern and Northern Region have provided information on this issue. Regarding pending nomination, it was decided that Chairman, SLPTCC would take up the matter with the State' Discoms who are yet to furnish their nominations for the SLPTCC.

(Action: BSNL)

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

(i) Charging of transmission lines without PTCC Route Approval

DET, PTCC, BSNL, Northern Region informed that out of thirteen cases, of PTCUL, RAC has been issued for one case. Twelve cases are under process with concerned SDEs (PTCC), BSNL for marking of their telecom details. CEA has given training on IV computations to PTCUL officers on 23/11/2017 and 24/10/2017. Other states can also send officers to CEA for obtain training on IV computations. It was decided that PTCUL would submit expeditiously the Induced Voltage calculations of their cases to BSNL.

(Action: PTCUL)

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

DET, BSNL, PTCC, Northern Region informed that Haryana, UP, HP, J&K and DISCOMs of Delhi were not submitting the power proposals for PTCC clearance. It was decided that the matter might be taken up in SLPTCC meetings.

(Action: BSNL)

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

Defense representative told that still it was centralized processing in Defense even though Zones have been identified. Field level has to report to Director (Signals). Defense representative reiterated that he would take up the case of finalization of nodal centre for different zones, through Director (Signals), Army Head Quarter for further action.

(Action: Defense)

B.7 Delay in Energization Certificate

KSEB confirmed that 220kV D/C Pothencode - Kattakkada T/L had been charged on 8th November 2017.

Chief Engineer, CEA stated that such kind of inordinate delay in execution of work by BSNL, when proposed expenditure demanded by them was deposited by the Power Authority, is uncalled for and should be avoided in future. The timeline stipulated in PTCC manual for execution of protection work, prior to issuing the energization certificate is 10 weeks, and the same should be adhered to barring exceptions (with justifications). The Committee agreed to close the item.

Item closed

B.8 Improper Submission of BSNL Details.

CEA pointed out that the annexure-II of agenda indicated the telecom details received from DET, North Zone, as well as the same received from DET, South Zone. He stated that DET, North Zone was simply forwarding the details received from concerned field officers. Whereas, DET, south Zone compiles all the details and ensure that the same details are properly marked in Topomap.

It was decided that DET, North Zone, BSNL would furnish BSNL Telecom details to CEA in a proper manner.

(Action: DET, NZ, BSNL)

B.9 Scrutiny report issued by CEA

CEA is issuing scrutiny report of PTCC proposal received from power utilities and it was observed that the response to CEA scrutiny report was not encouraging. If Power Utilities reply the queries raised by CEA in scrutiny report urgently then the delay in processing PTCC cases can be avoided.

DET, SZ, BSNL stated that it had been observed that many a times the utilities for measurement of soil resistivity did not consider electrode distance of 50 meters, which is stipulated in PTCC Manual. It was decided that Power utilities must follow PTCC manual meticulously. It was also decided that Power Authorities would reply to queries raised by CEA or BSNL expeditiously.

(Action: Power Utilities)

B.10 Pending PTCC proposals

It has been observed that many PTCC proposals were pending in CEA on account of non-availability of BSNL Telecom details. In case of Gujarat, 17 nos. PTCC cases are pending for want of telecom details from BSNL.

It is decided that all the Stakeholders would clear pending PTCC cases as per time limit given in PTCC Manual, barring exceptions (with justification for delay). To expedite the proposal in BSNL, the concerned power authorities may contact the concerned head of SSA.

DET, Mumbai informed that GETCO was not sending properly the PTCC proposal and not attending SLPTCC meeting also. It was decided that Chairman, SLPTCC would take up the matter with GETCO for attending the SLPTCC meetings. In case the proposal is not properly submitted then DET, BSNL should immediately return the same to GETCO indicating deficiencies.

It was decided that CEA would take up the matter with GETCO for 220kV and above transmission lines.

(Action: BSNL, CEA)

C. NEW AGENDA ITEMS

C.1 Review of 'Time Limit' for various steps involved in PTCC clearance for Renewable Power Plants

It is observed that power lines associated with Renewable generations were generally 33 kV voltage level, and sometimes it is 132 kV or 220 kV level. Further, it is noted that length of such power lines is generally up to 10 KM, and in some cases may be up to 50 KM. For less than 10 KM length of power line, it is observed that the time limit of 17 or 19 weeks as given in PTCC Manual was on higher side and there was scope for reduction. MSETCL pointed out that similar scenario existed for railway tractions circuits also.

It was decided that the 'Time Limits' for various steps involved in PTCC clearance for Renewable Power Plants and Traction circuits would be provisionally revised as under. It was also decided that the experience of these revised time limits would be discussed in the next meeting.

For 33 kV D/C and above up to 132 kV Power Lines (Central Cases)

Furnishing telecom details by P&T / Railway / Army	3 weeks
Scrutinizing the details, preparing copies & forwarding to concerned Electricity Board by DET PTCC	1 week
Furnishing I.V. calculations by Electricity Board and endorsing copies to all concerned	3 weeks
Furnishing recommendations by Railway / Army	2 weeks
Final examination & Issue of certificate	1 weeks
Total	10 weeks

For Approval of Power Lines above 132 kV (Central Cases)

Furnishing telecom details by P&T / Railway / Army	6 weeks
Scrutinizing the details, preparing copies & forwarding to concerned Electricity Board by DET PTCC	1 week
Furnishing I.V. calculations by Electricity Board and endorsing copies to all concerned	3 weeks
Furnishing recommendations by Railway / Army	2 weeks
Final examination & Issue of certificate	1 weeks
Total	13 weeks

C.2 PTCC approval of HVDC Earth Electrode

PGCIL has constructed ± 800 kV Alipuduar HVDC station. LILO of both the poles of ± 800 kV HVDC Biswanath Chariyali – Agra Transmission Line is done at Alipuduar HVDC station. 110kV earth electrode of 33 KM length is being constructed from Alipuduar HVDC station to the electrode station at Mathabhanga. In the 104th CLPTCC meeting, PGCIL, ER requested for charging of this earth electrode. As the issue raised by PGCIL was not part of the agenda, it was decided to form a sub-committee to look in to the matter. Subsequently, BSNL, Jabalpur office vide letter dated 21/9/2017 formed a sub-committee comprising members from BSNL, CEA and PGCIL.

CEA discussed the issue of induction in HVDC circuits with PGCIL. During discussion, PGCIL opined that communication interference from HVDC is mainly on account of DC filter circuits, however, installation of smoothing reactors at both ends reduce the harmonic currents to such level that CCITT standards are not flouted. Further, telephonic interference in many cases now a days has become irrelevant, because modern digital telephone systems are insensitive to harmonic interference.

Regarding fault current, PGCIL informed that depending upon HVDC capacity, the fault current varies, and the maximum fault current is of the order of 18 KA in first pulse for around 10 milliseconds.

In view of varying transient fault current in first pulse for around 10 milliseconds in case of HVDC lines, it was decided that BSNL authorities would collect the information from the vendors regarding the value of short term peak withstand current capacity (along with duration) of the copper telecom cables / end equipment. It was also decided that PGCIL would arrange field test in this regard during planned shutdown of HVDC line.

C.3 Charging of 33kV Power Line from Pulwai to PDCIL, Gadwal, Mahboobnagar District, Telangana

It has been reported by DET, BSNL, South Zone that M/s Solar Arise, Mumbai has erected 33kV T/L from Pulwai to PDCIL, Gadwal in Mahboobnagar district of Telangana State without PTCC clearance on 26/06/2016. Further, BSNL informed that the line caused heavy induction over nearby BSNL Telecom cables resulting in burning of a few Telephone Exchange cards and heavy loss to BSNL. The issue was discussed in the SLPTCC meeting held at Hyderabad in the presence of TSTRANSCO and BSNL authorities.

M/s. Solar Arise, Mumbai vide their letter 06/09/2017 intimated CEA that their line was opened on 04/08/2017 by the SE, TSSPDCL on the order issued by DC of the District of Jogulamba (Gadwal). CEA vide letter dated 06/09/2017 requested DET, PTCC, South zone

that PTCC processing of the line might be carried out expeditiously, as renewable energy is bottled up.

Regarding loss suffered by BSNL, it was decided that BSNL would form a sub-committee comprising CEA, BSNL, TS TRANSCO, TS SPDCL and M/s Solar Arise to look into the matter. CEA has already sent its nomination for the above Sub-Committee

DET, SZ, BSNL stated that as per information gathered from field, it is observed that horizontal clearance between the power line and BSNL exchange building was less than mandatory requirement, and opined that this aspect might be taken care before finalizing the PTCC Route approval. CEA opined that the issue raised by DET, SZ, BSNL relates to Safety Regulations and falls in the jurisdiction of the concerned State Electrical Inspector. While issuing PTCC RA, the mandate given in PTCC Manual only needs to be seen by the concerned DET.

C.4 Agenda received from Madhya Pradesh Power Transmission Company Limited (MPPTCL)

The status of various PTCC approval cases raised by M/s. MPPTCL vide letter dated 18.10.17 is at **Annexure – II**.

C.5 Uniformity in RAC (Route Approval Certificate)

It was decided that the Route Approval Certificate (RAC) issued by all DETs shall be uniform and as per PTCC manual.

C.6 Agenda from DET, PTCC, BSNL, East Zone

The agenda has already been dealt in various points stated above. The status of pending cases is given at **Annexure – III**.

C.7 Agenda received from RVPNL (Rajasthan Vidyut Prasaran Nigam Limited)

The status of various PTCC approval cases raised by M/s. RVPNL vide letter dated 17.10.2017 is given at **Annexure – IV**.

C.8 Agenda received from DVC (Damodar Valley Corporation)

The status of various PTCC approval cases raised by M/s. PGCIL vide letter dated 20.10.2017 is given at **Annexure – V**.

C.9 Agenda received from PGCIL, WR-II

The status of various PTCC approval cases raised by M/s. PGCIL vide letter dated 27.10.2017 is given at **Annexure – VI**.

C.10 Agenda received from MSETCL, Maharashtra

The status of various PTCC approval cases raised by M/s. MSETCL vide letter dated 27.10.2017 is given at **Annexure – VII**.

Regarding need for the contact details of the concerned officers dealing PTCC issues in Railways and Defense, it was informed that such details may be obtained from DET, WZ, BSNL.

C.11 Agenda received from BSNL

All agenda items have already been dealt above.

D. ADDITIONAL AGENDA ITEMS

D.1 Agenda received from TSTRANSCO (Transmission Corporation of Telangana Limited)

The status of various PTCC approval cases raised by M/s. TS Transco vide letter dated 01.11.2017 is given at **Annexure – VIII**.

D.2 Agenda received from PGCIL, SRTS-II

The status of various PTCC approval cases raised by M/s. PGCIL, SRTS-II vide their mail dated 02.11.2017 is given at **Annexure – IX**.

From the agenda, it was noted that in case of 765kV Dharmapuri - Madhugiri S/C T/L (PNMTL TBCB), PTCC RAC was issued on 21/4/17, but Energization approval is pending for Tamilnadu portion, despite no protection is involved. The issue of need of separate energization approval in cases where no protection is involved was discussed in details. **It was decided that the PTCC Route Approval Certificate, where there is no requirement of protection, would be considered as 'Deemed Energization Certificate'. In cases where protection is required, the concerned stakeholders would adhere to time limits given in PTCC Manual, barring exceptions (with justification for delay).**

D.3 Agenda received from PGCIL, NR-I

PGCIL NR-I requested that the requirement of HVDC T/L and associated Earth Electrode Line shall be deleted since with DC there is no induced voltage. This was discussed in item no. C.2.

The status of PTCC approval case raised by M/s. PGCIL, NR-I vide their mail dated 03.11.2017 is at **Annexure – X**.

D.4 Processing of PTCC proposal of 400kV Samba-Amargarh D/C T/L

The PTCC proposal of 400kV D/C Samba-Amargarh D/C T/Lin Jammu& Kashmir is pending due to geographical sensitivity. Marking on SOI map is not possible and it was decided in the meeting for this particular line Google map marking shall be considered in place of SOI map/GT sheets.

D.5 Agenda handed over by KSEBL, Trivandrum after the meeting

The KSEBL requested status of their pending cases of PTCC clearance. The status is at **Annexure XI**.

The meeting ended with vote of thanks.

105th Central Level Power and Telecommunication Coordination Committee (CLPTCC)**Meeting
LIST OF PARTICIPANTS**

S N	NAME	DESIGNATION	MOBILE NO.	E-MAIL ID
CEA				
1	Naresh Bhandari	Chief Engineer (PCD) & Chairman CLPTCC	9899061449	celdntcea@gmail.com , nbnareshbhandari@gmail.com
2	S.P. Abraham	Director	8860217159	sunnyp2.cea@gov.in
BSNL				
1	B.K.Jog	CGM & Co-Chairman CLPTCC	9425801314	cgm_trd@bsnl.com
2	M.K.Seth	CGM, Assam	9401877777	cgm_assam@bsnl.co.in
3	T.V.Venkataram	PGM(QA&INSP), Bangalore		pgmsinqa@bsnl.in
4	Kausan Khan	PGM(QA&INSP), New Delhi	9466000888	gminspctionnorth@gmail.com
5	A K Jha	GM-(QA&INSP), Mumbai	9422528999	gmwest@bsnl.co.in
6	A.K. Sinha	PGM(QA&INSP), Kolkata	9433000085	gmeastbsnl@gmail.com
7	P.K. Jain	O/O CGM, QA& Insp.Circle, Jabalpur.	9425803008	agmsw@rediffmail.com
8	K.V.N.Rao	GM(Opn), Hyd.	9490000204	kvnrso@bsnl.co.in
9	A.K.Nagar	DGM(QAPP), N.Delhi	986245525	desqosnd@gmail.com
10	S.B.N.Saratkumar	AGM (CO) ,VJ	9440000344	ptcc1964@gmail.com
11	K.M.V.S Gupta	SDE PTCC, CO, VJ	9490188428	sdemiscovj@gmail.com
12	H.L.Badgainya	SD E(PTCC) Jabalpur.	9425801083	hnb_raj@rediffmail.com
13	A. Majumder	DET/PTCC Kolkata	9433400096	detptccer@gmail.com
14	Chitra Suresh	DET/PTCC Chennai	9444063683	deptccchi@gmail.com
15	N.N. Kothari	DET/PTCC Mumbai	9423992040	deptccmbi@gmail.com
16	K. Raji Reddy	JTO A/T Hyderabad	9440000355	rajireddy.in@gmail.com
17	R.Shivarudra Murthy	DGM(nwo-cfa), Technical Member	9481720058	dgmnwocfakra@gmail.com
18	K.Satheesh	SDE A/T &PTCC Inspection Circle, Trivandrum	9446354555	sdeptccictvm@gmail.com
19	H.Dominic Savio	AD(M-1), TN Circle, Chennai	9486100457	ptcctn@gmail.com
20	J.K.Parmar	JTO, PTCC, Ahmedabad	9427613676	Jkp6181@gmail.com
21	Yogendra Singh	SDE (PTCC), Bhopal	9425603387	sdeptccbpl@gmail.com
22	Khavasi B.S.	SDE (PTCC), Mumbai	9423993256	Khavasi.raj@gmail.com
23	S. Balakrishnan	SDE (PTCC), Chennai	9445858858	ptccandsr@gmail.com
24	Sreedhar S.	SDE (PTCC), Karnataka	9449859447	ptccktk@gmail.com
PGCIL				
1	S.Ravinder Kumar	GM(Projects), SRTS-II	9449599003	srkumar@powergridindia.com
2	M.Dhayalan	Mangaer, SR-IIPGCIL	9449599041	dhayalanm@powergridindia.com
3	S. Balakumar	Chief Mangaer, PGCIL	9428504066	sbalakumar@powergridindia.com
4	Ashish Agarwal	Mangaer, PGCIL	9873918541	asish_agrawal@powergridindia.com
5	Sanju Kishan.P	Dy.Mangaer, PGCIL	9448284850	Sanju.kishan@powergridindia.com

<u>KSEBL</u>					
1	Sree Devi. B	DY.CE, Trivandrum	KSEBL,	9446008901	cets@kseb.in
2	Anitha Sugathan	AEE, TRIVANDRUM	KSEBL,	9495569032	cets@kseb.in
3	S.T.Vijaya Raj	EE,KSEBL, Trivandrum		9446008902	stvijayaraj@gmail.com
4	Biju K.Ommen	AEE, KSEBL, Transgrid, Kalamassery		9496001667	transgridsouth@gmail.com
<u>MSETCL</u>					
	Jyothi N. Chimte	SE,		8291167980	Se1prj@mahatransco.co.in
<u>Defense</u>					
	CAPT. Thirumalai.K	Tech Officer telecom, Corps of Signals-defense		9906905911	malaikthiru@yahoo.com
<u>MPPTCL</u>					
	A.K. Tiwari	Executive Engineer		9425805157	mptransco@nic.in
<u>TSTRANSCO</u>					
1	J.V. Hanumat Sastry	CE, TSTRANSCO		9440811110	cetransmissionts@gmail.com
2	N. Srivivasn Ravi	Se/400 Kv-II TSTRANSCO		8985041699	Ravisn06@gmail.com
<u>APTRANSCO</u>					
	S.Bajamma	SE,400Kv,VIJAYAWADA		9440907401	se&m400kv@gmail.com
<u>Delhi Transco</u>					
	M.K. Maharishi	Manager (T)		9999533841	maharishi.dtl@gmail.com
<u>UPPTCL</u>					
	H.N. Prasad	SE(A/CE(TW),Meerut		9412749804	cetw@upptcl.org
<u>OPTCL</u>					
	Pradeep Kumar Dash	DGM(EI)		9438907378	prdkdash@optcl.co.in
<u>DVC</u>					
	Rabin Mandal	SE€SPE,DVC, Kolkata		9903133058	rabin.mandal@dvc.gov.in
<u>AEGCL</u>					
1	Rijumari Sarma	AGM, AEGCL		9678003836	rijumarisarma22@gmail.com
2	Ashutosh Bhattacharja	AGM, AEGCL		9435332928	ashuae@rediffmail.com

Annexure - II

Agenda points for 105th CLPTCC for State of Madhya Pradesh				
Sl. No	Voltage Level	Name of the Line	CEA Case No.	CEA's Comment
B(a)	220kV	220 kV DCSS line from Chichli 220kV S/S to proposed 220kV S/S Udaipura	MP 397	IV issued on 13.11.17
B(b)	220kV	220 kV DCDS line for LILO of one ckt of Badod-Bhanpur/Modak line at Proposed 220/33 kV S/s of M/s Marut Shakti Energy India Ltd. at Nepania.	MP 399	IV issued on 8.11.17
B(c)	220kV	220 kV DCSS line from 220 kV S/s Rajgarh (Dhar to 100 MW Wind Energy Power Plant of M/s Clean Wind Power (Ratlam) Pvt. Ltd. (Earlier M/s Hero Future Energy Ltd.) at Badnawar, Distt.-Dhar	MP-403	Railway awaited
B(d)	220kV	220 kV DCSS Shujalpur-Narsingarh line from existing 220 kV S/s Shujalpur to 132 kV S/s Narsingarh	MP-404	Defense awaited
B(e)	220kV	2nd CKT of 220 kV DCDS line from 220 kV S/s Sidhi to M/s Mahan Aluminium Project Plan of M/s Hindalco Industries Ltd. at Barghwan Dist. Singrauli.	MP-413	IV issued on 23.11.17
B(f)	220 kV	220 kV Inter connector between 220/132 kV S/S Betul (MPPTCL) to 400 kV S/S Betul (PGCIL)	MP-418	BSNL and Railway Awaited
B(g)	220 kV	LILO of both Circuits 220 kV Damoh to Sagar Line from Loc. No.27 to 400 kV S/S(PGCIL) Damoh PL-0.592	MP-419	IV issued on 13.11.17
B(h)	220 kV	LILO of both Circuits 220 kV Satna-Chhatarpur line at 400kV S/S (PGCIL) Satna PL 1.9 Km	MP-421	BSNL Awaited
B(i)	220 kV	LILO of one circuit of 220kV Bhopal - Hoshangabad DCDS line at Proposed 220kV S/s Adampur. PL-2.868 Km	MP-422	BSNL, Awaited
B(j)	220 kV	LILO of both Circuits 220 kV Sarni-Pandhurna line at 400kV substation Betul (PGCIL) PL 38.684 Km	MP-420	BSNL, and Railway Awaited

Annexure - III**Agenda from DET (PTCC), BSNL, East Zone**

Details of long pending cases for non-receipt of IV report from CEA				
Sl. No	Voltage Level	Name of the Line	CEA Case No.	CEA's Comment
1	220kV	220 kV DC T/L from 220/132/33 kV grid S/S, Paradeep to MRSS of M/s. Essar Steel Limited at Paradeep	ORS 172	IV dispatched on 23.3.14
2.	220kV	220 KV LILO arrangement on DC towers from existing Budhipadart –Tarkera T/L to proposed 220/132/33 KV S/S at KUANRMUNDA	ORS-177	IV issued on 9.5.14
3	400 kV	400 kV DC T/L from 400/220 kV NEW DUBRI GRID S/S to MRSS of M/S TATAQ Steel Ltd.	ORS-203	Railway awaited
4.	220 kV	220 kV DC T/L from DOMJUR-HOWRAH	WB-110	IV issued on 24.9.13
5	400 kV	400 kV T/L from HALDIA-SUBHASGRAM	WB-112	Defense pending

Annexure – IV**Agenda received from RVPNL (Rajasthan Vidyut Prasaran Nigam Limited)**

Sl. No	Voltage Level	Name of the Line	CEA Case No.	CEA's Comment
1	400	400 KV D/C from pooling station Bhadla to LILO pt. of Jodhpur Merta line	RAJ-584	Under process
2	220	220 KV D/C Barli-Kakani line	RAJ-575	IV issued on 22.11.2017
3	400	400 KV D/C Akal-Jodhpur (New) line	RAJ-579	Under Process
4	220	220 KV S/C Kalisindh TPS Bhawanimandi line	RAJ-598	Under Process

Annexure – V**Agenda from DVC (Damodar Valley Corporation)**

Sl. No	Voltage Level	Name of the Line	CEA Case No.	CEA's Comment
1	220 kV	220 kV D/C LILO line at DSTPS of DVC	WB-121	IV issued on 28/11/2017

Annexure - VI**Agenda from PGCIL, WR-II**

PGCIL(M.P. Portion)				
Sl. No.	Voltage Level	Name of the Line	CEA Case no.	CEA's Comment
1	765KV	765 kV DC Gadawara to Warara T/L PL: 184.023 km	MP-412	Under Process
2(a)	765KV	765KV Jabalpur - Orail TL	MP-400	IV comment Send on 10.02.2017
2(b)	765KV	765KV S/C Santa - Gwalior Transmission line	MP-410	IV comment Send on 12.05.2017
3	765KV	765 DC Vindhyachal Pooling station to Jabalpur Pooling transmission line under system strengthening scheme associated with NTPC Vindhyachal-V PL: 371.91 km	MP-406	BSNL & Defence awaited (Railway map not received)

PGCIL (Gujrat Portion)				
1(a)	765KV	765 kV Bhuj Pooling Station to Banaskantha T/L.	GUJ-709	IV comment Sent on 04.10.2017
1(b)	400KV	765 kV D/C Banaskantha to Chittorgarh T/L	GUJ-718	Under Process
2	400KV	400kV D/C Mundra-Bhuj S/S	GUJ-728	BSNL details are awaited

Agenda received from MSETCL, Maharashtra

Sl. No	Name of Power Line, Route Length	CEA's Reg. No.	Registration Date in CEA	CEA's Comment
1	220 kV LILO on Kandalgaon - Lonand for Lonand MIDC s/s, 1.65 kms	MRA-1019	07.09.2012	IV calculation dispatched on 04.02.2015
2	Diversion & LILO on 220 kV D/C Padghe - Wada line for 220 kV Bhaveghar s/s, 0.54 kms	MRA-1050	29.07.2013	IV calculation dispatched on 18.03.2016
3	Upgradation of the existing 220 kV Kharghar - Kalwa line, from D/C to M/C, 21.87 kms	MRA-1035	01.02.2013	Details from BSNL and Defence pending
4	Upgradation of the existing 220 kV Kalwa - Borivali line, from D/C to M/C, 17 kms	MRA-1042	26.04.2013	Details from BSNL and Defence pending
5	Upgradation of the existing 220 kV Borivali- Boisar Line, from D/C to M/C, 87 kms	MRA-1048	17.06.2013	Details from BSNL, Central Railway and Defence are pending
6	220 kV D/C line form 400 kV Kudus s/s to 220 kV Wada -II (Bhaveghar) s/s,15.33 kms	MRA-1046	17.06.2013	IV calculation dispatched on 22.03.2016
7	220 kV D/C Kandalgaon-Dasturi Line, 74.031 kms	MRA-1052	19.08.2013	Details from BSNL, Railway and Defence are pending
8	220 kV D/C Kalmeshwar-Katol Line,38 kms	MRA-1062	06.11.2013	IV calculation dispatched on 03.03.2016
9	220 kV D/C Katol-Warud Line,49 kms	MRA-1060	06.11.2013	IV calculation dispatched on 01.03.2016
10	220 kV M/C line, LILO on Kanhan - Umred line for 220 kV Pardi s/s, 12 kms	MRA-1090	20.09.2014	Details from BSNL, Railway and

				Defence are pending
11	220 kV Ambazari - Mankapur M/C line, 14.783 kms	MRA-1091	05.11.2014	Details from BSNL, SECR and Defence are pending
12	220 kV D/C line, LILO on 220 kV Dahanu-Boisar line for 220 kV Viraj (Boisar-III) s/s, 0.283 kms	MRA-1100	31.03.2015	IV calculation Issued on 19.09.2017
13	LILO on 220 kV Lonikand-I to Kathapur line for 220 kV Lonikand-II S/s, 1.51 kms	MRA-1110	30.10.2015	IV calculation Issued on 21.09.2017
14	220 kV LILO on 220 kV Beed-Patoda DC line for Manjarsumbha S/s, 4.28 kms	MRA-1111	20.11.2015	IV calculation Issued on 21.09.2017
15	LILO on Both Circuits of 220 kV Waluj-Jalana Line at 400 kV Thaptitanda s/s, 7.689 kms	MRA-1131	12.06.2017	Details from BSNL and Railway are pending
16	220kV LILO on Paras - Balapur MC line for 220kV Malkapur DCDC line, 73.81 kms	MRA-1133	16.08.2017	Details from BSNL and Railway are pending
17	220kV DCDC line from 400kV Thaptitanda to proposed 220kV Nagewadi S/s, 30.086 kms	MRA-1137	21.08.2017	Under Process in CEA
18	220 kV DCDC line from 220kV Partur to Nagewadi S/s, 64 kms	MRA-1135	21.08.2017	Under Process in CEA
19	220kV DC line LILO on 220kV Phaltan - Walchandnagar for 220kV Chhatrapati SSK S/s, Bhavaninagar, 2.2 kms	MRA-1134	21.08.2017	Details from Railway are pending
20	220kV DC line from LILO point (L.No.64) of Jath-Mhaisal to 400/220kV Alkud S/s for 250MW Mendhegiri Wind Farm Project, 33.54 kms	MRA-1136	21.08.2017	Details from Railway is pending
21	Proposed 220 kV SCDC Co.gen line from M/s. Sahkar Shiromani Vasanttrao Kale SSK Ltd at Bhalvani, Tal-Pandharpur, Dist Solapur to 220 kV Pandharpur-II(Bhalwani) S/s., 1.122 kms	MRA-1116	16.06.2016	IV calculation dispatched on 19.01.2017
22	220 kV line, LILO on Chinchawad - Urse line for 220 kV co. gen. plant substation of Shri. Sant Tukaram SSKL, Kasarasai, ta. Mulsi, dist. Pune., 0.527 kms	MRA-1103	27.04.2015	IV calculation dispatched on 13.10.2015
23	220 kV D/C Line, LILO on 220 kV Pandharpur - Malinagar line for 220 kV Co-generation plant s/s at Shri Vithal SSK Ltd. Venunagar, tal. Pandharpur, 1.042 kms	MRA-1097	17.03.2015	IV calculation dispatched on 13.10.2016

24	220 kV D/C line from Gadchandur s/s to Ultratash Cement Plant Awarpur, dist. Chandrapur, 8.23 kms	MRA-1092	03.12.2014	IV cal. dispatched on 13.10.15
25	400 kV Line, LILO on Padghe-Tarapur for kudos s/s, 3.4 kms	MRA-1045	17.06.2013	IV calculation dispatched on 18.03.2016
26	400 kV D/C line from 400 kV Babhaleshwar s/s to proposed 400 kV Kudus s/s, 219.565 kms	MRA-1104	27.05.2015	Re-routing required, so, MSETCL is to submit revised Topomap.
27	400 kV S/C line, LILO on 400 kV S/C Chandrapur-Parli line for 400 kV Kumbhargaon S/s, 39.3 kms	MRA-1106	17.06.2015	IV calculation dispatched on 19.09.2017

Annexure – VIII

Agenda received from TS TRANSCO (Transmission Corporation of Telangana Limited)

Sl. No	Name of Power Line	CEA's Reg. No.	Registration Date in CEA	CEA's Comment
1	220 kV M/C LILO to proposed 220 kV SS Mahabubabad from existing 220 kV Budidampadu – Warangal DC line in Warangal Distt.	TNG-13	3/5/16	BSNL, Railway Pending
2	220 kV M/C line from LILO of 220 kV Dindi – Bonguluru DC line to proposed 400/220 kV SS Maheshwaram in RR Distt.	TNG-30	17/4/17	Railway pending
3	220 kV MC/DC line from proposed 400/220 kV SS Maheshwaram to 220 kV Fabcity SS in RR distt.	TNG-31	22/5/17	Railway pending

Annexure – IX**Agenda received from PGCIL, SRTS - II**

Sl. No	Name of Power Line	CEA's Reg. No.	Registration Date in CEA	CEA's Comment
1	LILO of 230 kV S/C Neyveli-Bahour line at Karaikal	TN-656	1/8/17	BSNL, Railway Pending
2	400 kV 2xD/C Tuticorin new GIS-Tuticorin SS line	TN-661	19/9/17	BSNL Pending
3	400 kV D/C Pavagada - Hiriya T/L	KNK-874	20/4/17	Under Process
4	400 kV Hiriya – Mysuru Line	KNK-879	12/7/17.	BSNL, Railway, Defense Pending

Annexure – X**Agenda received from PGCIL, NR - I**

Sl. No	Voltage Level	Name of the Line	CEA Case No.	Registration date in CEA	CEA's Comment
1	400 kV	400 kV D/C line from Kota LILO point to Jaipur South Gantry.	RAJ-592	12.04.2017	BSNL details received is incomplete. Marking is without no. and name

Annexure – XI

Agenda presented by KSEBL, Trivandrum after the meeting

Sl. No	Name of Power Line	CEA's Reg. No.	Registration Date in CEA	CEA's Comment
1	Construction of 220 kV OH multi-circuit line Kattakada Balaramapuram-Vizhinjam	KEL-323	17/4/17	Defense pending
2	220/110kV line from Brahmapuram to Thuthiyoor and 220kV cable from Thuthiyoor to Kaloor	KEL-324	7/7/17	BSNL, Defense, pending
3.	220 kV DC line through multi circuit Multi voltage (220 kV and 110 kV) towers from proposed 220 kV Substation, Kothamangalam to a location Karukadom to connect the existing Moolamattom (Idukki)Substation	KEL-325	26/7/17	BSNL, Defense, Railway pending