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पी.टी.सी.सी. के सभी सदस्य

विषय: 98वीं सेंट्रल पी.टी.सी.सी. बैठक का कार्यव्रत ।

महोदय,

उत्तर पूर्वीय क्षेत्र पारेषण प्रणाली (NERTS) पावर ग्रिड के सहयोग से एल.डी.एण्ड. टी. प्रभाग, केन्द्रीय विद्युत प्राधिकरण द्वारा 98 वीं सेंट्रल पी.टी.सी.सी. बैठक का आयोजन दिनांक 30 मई, 2014 को शीलोंग, मेघालय में किया गया था । बैठक का कार्यव्रत, केन्द्रीय विद्युत प्राधिकरण की वेबसाइट <http://www.cea.nic.in//> under the heading "New Updates" में अपलोड कर दिया गया है

आप से आग्रह है कि आगे की बैठक के सुनियोजित परिणाम हेतु आपके विभाग की तुरत कार्यवाई प्रार्थनीय है ।

99वीं सेंट्रल पी.टी.सी.सी. बैठक, Inspection Circle, BSNL, द्वारा आयोजित की जाएगी । आप से अनुरोध है कि अगली बैठक की कार्यसूची, यदि कोई है तो उसे सीधे Chief General Manager, Inspection Circle, Bharat Sanchar Nigam Ltd., Sanchar Vikas Bhawan, Residency Road, Jabalpur-482001 को भेजा जाये तथा साथ में उसकी प्रति इस कार्यालय को भेजी जाये

भवदीय,

(नरेश भण्डारी)

निदेशक (पी.टी.सी.सी.) एवम
(सचिव विद्युत, सेंट्रल पी.टी.सी.सी.)

Minutes of the 98th Central PTCC meeting held on 30th May, 2014 at Shillong

The 98th Central PTCC was held in Shillong on 30th May, 2014. Powergrid NERTS hosted the meeting.

The meeting was chaired by Shri A.K. Singhal, Chief Engineer (LD&T), CEA as Chairman, Central PTCC. Shri A.C. Mishra, Chief General Manager, Inspection Circle, BSNL, Jabalpur graced the occasion as Co-Chairman, Central PTCC. The meeting was attended by various dignitaries from BSNL, CEA, Railways, Defense and various Power Utilities. List of participants is enclosed at **Annex-I**.

Shri A.K. Singhal welcomed all the participants. Citing legacy, he stated that PTCC has been in existence since 1949. PTCC since beginning has been playing a crucial role for co-existence of Power and Telecom sectors. The role of PTCC has considerably been enhanced due to increase in telecom installations and increase in demand for Power - both by the industry as well as by households. He further stated that Power or electricity is one of the most critical components of infrastructure, affecting economic growth and well-being of any nation. The existence and development of adequate power infrastructure is essential for sustained growth of the Indian economy. He informed that despite acute manpower crunch, CEA has initiated special efforts to optimize the available resources in order to increase the processing of PTCC RA cases. As a result of this, the number of pending cases has reduced effectively. CEA is continuously closely monitoring the pending status to ensure charging of lines is not held up for want of PTCC approval. He stressed that keeping in view of the increased number of PTCC approval cases on account of construction of large number of new transmission lines required for evacuation of power, BSNL & Railways should also make all efforts in issuing PTCC approvals expeditiously. He wished all the members all the best for having fruitful discussions in the meeting.

Shri A.C. Mishra, Co-Chairman, PTCC while welcoming participants stated that there has been paradigm shift in functioning of PTCC. Earlier there used to be overhead telecom lines and PTCC used to give stress in taking steps to avoid electrocution cases. Now, such issues have reduced drastically with having underground telecom cables. He specially appreciated the progress made in clearance of PTCC cases and applauded CEA for magnificent task. He added that nearly 275 cases are pending with CEA and some of the cases are as old as 2006. He requested CEA for early implementation of scheme of Computerization of PTCC Process and hoped that with implementation of the scheme, clearance of PTCC cases shall increase manifolds. He pressed upon more coordination among CEA, BSNL, Power Utilities and Railways for early disposal of PTCC cases.

Smt. S. Manna, Sr. GM & Secretary (PTCC), BSNL welcomed all participants and thanked Shri A.K. Singhal, Chief Engineer (LD&T), CEA for organizing 98th Central PTCC meeting at Shillong. She also thanked BSNL officers from NER for making good arrangements for guest officers from BSNL, Inspection Circle, Jabalpur. She expressed concern over dismal progress of legacy data collection by BSNL. She thanked team of CEA officers for clearing number of PTCC cases in the recent times.

Shri Naresh Bhandari, Director (PTCC) & Secretary (Power), Central PTCC welcomed all the dignitaries and all the delegates assembled from different parts of the country for the 98th central PTCC meeting. He expressed warm thanks to Shri Anupam Paul, Deputy General Manager (Engg.), Powergrid, NERTS and his team for making elaborate arrangements for Central PTCC meeting. He thanked all the utilities for the cooperation

extended towards smooth processing of PTCC Route Approval proposals. In the year 2013-14, 179 new cases of EHT power lines (220 kV and above) were received for processing of PTCC route approval and despite extreme staff crunch, computation of Induced Voltage in respect of 164 PTCC cases were forwarded to BSNL & Railways for issue the PTCC route approval. It included 2893.51 circuit kMs of 220 kV lines, 8515.96 circuit kMs of 400 kV lines and 8603.73 circuit kMs of 765 kV lines & 365.34 Circuit kMs of ± 800 kV line. He further mentioned that during 2013-14, due care was taken to process PTCC cases of those transmission lines which were required to be charged on urgent basis and with the result there had been no delay of charging of any line for want of PTCC approval. To support this he mentioned about PTCC clearance of Solapur-Raichur 765 KV transmission line for synchronization of rest of India power grid with the southern power grid. The Solapur-Raichur transmission line was synchronized on December 31 midnight. He further stated that the Computerizations of PTCC Process is the only solution for early disposal of PTCC cases and CEA is trying best to implement the scheme at the earliest. He appreciated Power Utilities like Punjab, Rajasthan, Powergrid and Orissa who had sent their officers to CEA for assisting in early PTCC clearance. He stated that between March and May months, CEA had computed induced voltage for 115 PTCC cases.

After a brief introduction by the participants, the agenda for the meeting was taken up.

A. Confirmation of Minutes of the last meeting

The Minutes of the 97th Central PTCC meeting held at New Delhi on 11th November, 2013 were taken up for confirmation and all the members confirmed the minutes.

B. Follow-up action on decisions taken in the last CL PTCC meeting

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

DET, BSNL, Northern Zone, informed that after last CLPTCC meeting, one unguarded power crossings in UP (near Aligarh) has been resolved, however still 2 cases of unguarded power crossings in UP(W) in Noida is yet to be attended. Other zones of BSNL confirmed nil cases of unguarded power crossings. The committee decided that DET, North zone would take up the matter with Superintending Engineer & Chief Engineers of the concerned power utility. If the matter is still unresolved then DET would report the matter to CEA so that a meeting with higher officers of the concerned power Utility could be convened to decide the future course of action.

The Committee expressed its concern that the status in respect of ER has not been received. The Committee decided that BSNL Inspection circle would take up the matter with ER; and ensure that unguarded power crossings should be reduced to nil by taking up all pending unguarded power crossings cases by regularly taking up the matter in State level PTCC meetings.

B.2 PTCC Manual -2010 edition

BSNL informed that some copies of PTCC manual had been procured and distributed to the concerned officers. In respect of demand of additional 12 copies of PTCC Manuals; it was informed that the procurement is pending due to fund constraints.

B.3 Computerization of PTCC Route Approval Process

B.3.1 Present status of the Project

Director (PTCC), CEA informed that the work of System Integration (SI) could not be awarded to the original L-1 bidder after its demerger and expected that further action will be initiated in near future after receipt of directions from Ministry of Power.

B.3.2 Collection of Legacy Data for Computerization of PTCC Route Approval Process

Director (PTCC), CEA reiterated that legacy data from all sectors – Power, Telecom and Railways is important for success of the scheme of computerization of PTCC process. He informed that legacy data from Railway and Power utilities is being received. But, so far, there is no progress from BSNL side.

CGM, BSNL, Inspection Circle, Jabalpur noted with concern on dismal progress made by BSNL in this direction. He assured that in the first phase, latitude & longitude details of 38000+ Exchanges in the Country would be furnished soon. Regarding route details of telecom cables emanating from each exchange in second phase, he stated that it is a gigantic task and suggested that a working group be formed to discuss various feasible options to collect such data. Sh. Pandey, DD (PTCC), CEA stated that such information is available with BSNL exchanges as CEA is getting these details in each of PTCC Route Approval case.

After detailed deliberations, the Committee decided to form a working Group for collection of Legacy Data in Phase-II for Computerization of PTCC Route Approval Process, having members – (i) Sh. RP Pandey, DD (PTCC) from CEA, (ii) DE PTCC New Delhi from BSNL and (iii) one member from southern zone of BSNL, who shall coordinate in the matter.

The terms of reference of the working group shall be as under:

- a) To finalize / suggest various modalities to acquire existing telecommunication cable / overhead lines and other network data after visiting / studying one or more telephone exchanges (one place in Haryana and one in Bangalore)
- b) The group will also regularly monitor the status of progress of BSNL data and report the same to CLPTCC.

The Group may co-opt one or more additional members, as per their requirements.

B.4 Supply of software for calculation of Induced Voltage and related Technical guidance

Director (PTCC), CEA informed that with the existing manpower, it is not possible to impart any formal training by CEA for the time being. However, CEA could provide the necessary online training/ assist them in computing IV calculation for some officials from BSNL, Power Utilities and Railways, who may visit LD&T division with specific RA cases. For doing so, they may approach CE (LD&T), CEA/ Director(PTCC), CEA in advance. This system will provide twin benefits i.e. to get online training as well as to reduce pending PTCC RA cases. All members welcomed the training proposal of CEA.

Regarding handing over of software for calculation of mutual coupling and fault current under single line to ground fault condition, CEA informed that the software has been developed in-house and further development is needed before the same is offered to the utilities for use.

B.5 Charging of fee from Private utilities

Based on decision of last meeting, a Sub-Committee consisting of members from RRVPNL, CEA and BSNL was formed. The Sub-committee has submitted its report. As per details of the report, CEA and BSNL members had opposed charging of any fee, however, RRVPNL members was in favour of fee charging from private players. Finally, the sub-committee concluded not to charge fee till decision of CLPTCC forum.

During discussion, Shri DP Gupta Chief Engineer(T&C), RRVPNL was of the view that Private Utilities are taking up the projects on Public Private Partnership(PPP) mode and thus earning profit so it is justified to charge some fee from them considering it as a commercial activity. Shri RP Pandey, Dy. Director, CEA stated that charging of fee from only private agencies would be a discriminatory decision. He stated that BSNL, CEA and Railways are Central Govt. agencies and at present there is no provision in Electricity Act for charging of any fee irrespective of any agency.

After detailed deliberations, the CLPTCC decided to extend the scope of the existing Sub-committee with increase in number of members. It was decided that representative from Karnataka and Maharashtra power utilities may also be included and the issue of fee charging be again discussed in detail considering existing provisions in the Electricity Act and other related aspects. The composition of sub-committee remains same and Sh. Gupta, CE, RRVPNL will coordinate.

B.6 Arranging SLPTCC meetings at regular intervals

The matter was discussed at length and it was decided that SLPTCC meetings should be held at regular interval in every state.

B.7 Issues raised by DET(PTCC), BSNL, Chennai

The various issues raised by DET (PTCC), BSNL, Chennai were discussed and following was decided:

a) EPR submission Time limit:

CLPTCC requested all the power authorities to submit EPR details in time bound manner.

b) Decentralization of IV calculation for 220 KV power line to respective SEB:

DET(PTCC), BSNL, Chennai stated that based on decision of 71st CLPTCC, two state power authorities are computing IV for 220 kV transmission lines. He desired the similar permission should be extended to other states of Southern region as well.

During discussion, DET (PTCC), BSNL, Chennai could not produce the copy of minutes of meeting of 71st CLPTCC and therefore further discussions in the matter could not be deliberated. CEA, however, opined that in view of the fact that CEA has taken up a special drive to minimize the list of all pending PTCC cases from all the regions. As such, any specific provision for states from southern region will be inappropriate and desired that the PTCC cases of 220 kV & above transmission lines from all southern region states should invariably be sent to CEA. It was decided that DET(PTCC), BSNL, Chennai will provide all the relevant documents to CEA and all concerned agencies so

that the matter could be discussed in the next meeting taking into consideration the minutes of 71stCLPTCC meeting.

Sh. RP Pandey, DD (PTCC), CEA pointed out that it has been observed that in some cases where there are NOC from both BSNL and the concerned Railways, the concerned DET, BSNL without taking comments from CEA, issue PTCC RA. He stated that though these cases have been cleared by DET, BSNL but remain pending in CEA database. He requested that DET, BSNL may not issue PTCC RA of any case without CEA's comments. The Committee agreed with the suggestion and decided that all DETs of BSNL should always take into consideration the CEA's comments before issuing PTCC RA of any case of 220 kV and above.

c) Decentralization of PTCC Zones:

BSNL stated that the existing practice as defined in PTCC Manual 2010 may continue.

B.8 Nomination of members from DISCOMs for SLPTCC meetings

It was noted that the concerned DET (PTCC) may take up the matter with the higher ups of DISCOMs.

B.9 Non-submission of PTCC Proposals to SLPTCC/CLPTCC by PTCUL

There were 14 Nos. of PTCC cases of PTCUL which had been charged without PTCC clearance. Seven from each zone i.e. Garhwal & Kumaon. DET, BSNL informed that now PTCUL, Kumaon Zone has submitted all PTCC cases for regularization. However PTCUL Garhwal Zone is yet to submit cases for regularization. It was decided that the matter in this regard may be again taken up with PTCUL for obtaining post-facto PTCC approval of seven transmission lines falling in Garhwal zone.

Sh. RP Pandey, DD (PTCC), CEA stated that as per PTCC Manual, PTCC route approval is required by both Power and Telecom authorities before charging their new transmission lines / cables. But, it has been observed that since many years, Telecom authorities, both BSNL and Railways have not submitted any case in CEA for IV computation despite additions of new telecom cables. He stated that BSNL lays new cables without taking PTCC approval and when some accident happens then they approach PTCC forum for settlement of compensation claims. He stressed that PTCC forum should not entertain any such claim case where proof of PTCC approval is not produced in the very first instance. He therefore requested Central PTCC to look in to the matter and issue suitable instructions to the all concerned agencies of BSNL & Railways also to obtain required PTCC approval before laying / commissioning their cables/ lines etc.

BSNL opined that as the underground cable of BSNL is laid in every nook and corner of the country, therefore, it may not be possible to take the route approval for short length distribution cable before laying and already laid.

As no comments could be gathered from Railways, this issue would be taken up in the next meeting.

B.10 Pending PTCC approval cases in CEA

Details of Pending PTCC cases of Power Utilities like Maharashtra, Rajasthan, Punjab, MP etc. were discussed and Director (PTCC), CEA explained that CEA is carrying out Induced Voltage computations at fast pace. It was also informed that in many cases,

details from BSNL and/or Railways are not received in CEA and as such it is not possible to process such pending cases.

The committee after deliberations decided that Power authorities, BSNL and Railways should communicate regularly with CEA to reconcile the exact status of pending cases prior to bring it to the notice of Central PTCC.

The issue of PTCC route approval of HVDC line (\pm 800kV Bishwanath Chariali in NER o Agra in NR was raised by ER Powergrid. During discussions it was noticed that being a case of direct current lines, induction don't take place in normal conditions. However, there may be some induction during switching conditions of such lines. The inductive component of electromagnetic interference is normally ignored for DC lines on the grounds that DC currents do not cause induction since induction effects are proportional to the frequency. During a fault, however, the current varies as a function of time and thus may induce very small potentials in nearby metallic conductors over a brief period of time (say of the order of 20 milli seconds). To go into details, it was therefore decided that a Sub-group having members from CEA (Sh. RP Pandey, DD), BSNL (DE PTCC ND) and Powergrid representative be formed. Powergrid representative present in the meeting agreed to furnish name of suitable officer for the Sub-group. DD, CEA will coordinate.

The Terms of Reference for the Sub-group shall be as under:

- a) To study/ discuss in detail the impact of Induction during switching/ transient states of HVDC lines
- b) Recommend the detailed guidelines/ procedure to be adopted for PTCC clearance of HVDC lines, if required

The Sub-group may co-opt any other officer, if required. Powergrid ER shall also coordinate the Sub-group meetings.

B.11 AP Telecom Circle, BSNL, Hyderabad

Background:

Due to falling of 11kV power line on Telecom line(s), some equipment at Dubacherla Telephone Exchange on 17.4.1992 and some equipment at Pothavaram Telephone Exchange on 8.6.1992 got damaged. A.P. Telecom Circle, BSNL has asked the power authorities i.e. APEPDCL (Eastern Power Distribution Company Limited of A.P. limited) to pay the compensation of Rs. 2,77,356/- for Dubacherla Telephone Exchange and Rs.89,400/- for Pothavaram Telephone Exchange; for the damage caused.

The case came up to Central PTCC in year 2009. Subsequently, a subcommittee was formed. The Sub-Committee discussed the matter in two meetings but the later entrant could not been established because the dates of PTCC approval of the 11 kV line and the BSNL telecom lines were not traceable.

Looking at the information / details available, CEA has also carried out analysis of the case and the same was sent to BSNL, Jabalpur on 27.1.2014. It was noted from the analysis that the claim case is not sustainable since both power and BSNL authorities have failed to produce PTCC approval documents and thereby lateral entrant could not be established. During discussion, the participants opined that the new telephone exchange is set up in the electrified areas only and with this it would be lateral entrant.

The committee's most members agreed with CEA's analysis. It was observed that representative of A P Telecom Circle has not arrived and therefore one chance should be given to A P Telecom, BSNL because many chances were given to M/S APEPDCL. Accordingly the matter may be decided in the next PTCC meeting, in the presence of representative of APEPDCL and AP Telecom circle, BSNL.

B.12 Non-furnishing of Telecom Details by the concerned GM/BSNL of respective SSAs in time to DE/PTCC/Chennai

It was decided that BSNL, Inspection Circle, Jabalpur shall look in to the matter.

B.13 & 14 Agenda from Karnataka Telecom Circle

Bangalore TD: Pending Payment

KolarTD: Delay in Payment

Karwar TD: Delay in Payment

AND

Demand Note raised by AGM(MM-I), BSNL, Pune against MSEDCL

The Committee noted that the agenda points B.12 and B.13 pertain to claim in respect of damage caused to BSNL exchanges due to LT distribution feeder. Discussions were held with reference to Electricity Act, and it was noted that electricity accidents are covered in section 161 of EA – 2003 and electrical inspectors of the concerned area is empowered to look into such matters. The Committee decided that central PTCC is not the forum to take decision on such issues.

B.15 Conversion of 230kV D/C Overhead line into 230kV D/C 1X 1200Sq. mm XLPE UG Cable

DGM (CP&MM), Chennai Telephones, BSNL has raised this issue. CEA stated that this case has not been received by them so far and as such no comments can be made. It was decided that BSNL Chennai would send the complete case to CEA for examination prior to the discussions by the committee.

The meeting ended with a vote of thanks to the Chair.

**LIST OF PARTICIPANTS OF
98th CENTRAL PTCC MEETING HELD ON 30.05.2014
AT SHILLONG**

S/Shri

CEA

1	AK Singhal	Chief Engineer & Chairman/CLPTCC
2	Naresh Bhandari	Director & Secretary (Power)/CLPTCC
3	RP Pandey	Dy. Director
4	RK Tiwari	Asstt. Director

BSNL

1	AC Mishra	Chief General Manager & Co-Chairman/CLPTCC
2	Rajiv Yadav	CGM, North East
3	Smt. S. Manna	Sr. GM(HQ)& Secretary (Telecom)/CLPTCC
4	Gopal Dutt	Sr. GM (N), New Delhi
5	DS Narendra	Sr. GM(HR&CFA), NE-1
6	MF Ansari	Sr. GM (OM), NE-1
7	K. Narender	GM(OP/CFA), Karnataka
8	Anil Sahai	AGM(CFA), Jabalpur
9	NC Baishya	AGM(CFA), Guwahati
10	Chandrama Yadav	DGM(CFA), Dimapur
11	V. Gameshu	DGM(T), Guwahati
12	R. Shukla	DGM(A), Jabalpur
13	P. Rathore	DGM(OP), Mumbai
14	E. Vasudevan	DGM(OP), Chennai
15	KV Suresh Babu	DGM(CFA), NE-1
16	Prem Sah	DE(PTCC), New Delhi
17	NK Biswas	DE, Kolkata
18	PT Gaikwad	SDE(PTCC), Mumbai
19	S. Balakrishnan	SDE(PTCC), Chennai
20	MK Gupta	SDE(PTCC), Jabalpur
21	Kamal Boro	ADT (TP), Guwahati
22	NC Bhagabati	SDE, A/T, Guwahati
23	NVGSK Sastry	JTO A/T, Shillong
24	Brosting	JTO, AT, Shillong
25	Sita Ram Chauhan	JTO A/T, Guwahati

POWERGRID

1	Anupam Paul	DGM(Engg), NERTS, Shillong
2	N. Dube	DGM, WR-1, Nagpur
3	Somiran Das	CM, NERTS, Shillong
4	SJ Lahiri	CM(Engg), ER-2, Kolkata
5	Soumitra Roy	CM, Patna
6	BL Kumre	CM, NERTS, Shillong
7	Gargi Dutta	Sr. Engineer, NERTS, Shillong
8	Indra S Rouriya	Sr. Engineer, NERTS, Shillong
9	HD Singh	JE, NERTS, Shillong
10	H. Patgiri	JE, NERTS, Shillong
11	S. Dohling	Sr. Asstt., NERTS, Shillong

MPPTCL

AK Tiwari

EE, Jabalpur

MePTCL

M. Marbaniang

SE, Shillong

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MA Khan

DGM(T), New Delhi

APTRANSCO

1 Ch. Satish Kumar

ADE/T, Hyderabad

2 Y. Srinivasa Rao

DE, Hyderabad

RRVNL

1 DP Gupta

Chief Engineer(T&C), Jaipur

2 AK Verma

EE(T&C), Jaipur

OPTCL

KK Mishra

Manager(E), Bhubaneswar

MSETCL

Mihind Bahadeve

Chief Engineer, Mumbai

HVPNL

1 RK Singhal

EE, Panchkula

2 Rajesh Kumar

EE, Panchkula

MePDCL

EL Shallam

SE, Shillong

DEFENSE

Col. SK Prasad

SO1 (Signal), Shillong

N.F. RAILWAY

1 Amit K Bharti

Asstt. Signal & Telecom Engineer

2 N. Bashar

SSE/Tele/HQ