



भारत सरकार
Government of India
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority [ISO: 9001: 2000]
भार प्रेषण एवं दूर संचार प्रभाग



Load Despatch & Telecommunication Division

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नई दिल्ली-110016 New Delhi - 110 016

No.LD&T/1/2011-PTCC/

Dated: 05.04. 2011.

To,
All Members/Constituents of Central PTCC.

Subject: 93rd Central PTCC meeting - reg:.

Sir,

The 93rd Central PTCC meeting will be held at Daman as per the programme given below:

DATE : 29th April 2011 (Friday)
VENUE : Hotel Miramar, Devka Beach, Daman.
phone nos. 0260-2250671-72-73,2254471,2254971
TIME : 1030 hrs.

The agenda for the ensuing meeting can be downloaded from the web site of CEA <http://www.cea.nic.in/> under the heading **New Uploads**.

The following officers from PGCIL can be contacted for local transport and accommodation at Daman,

- a) Sh S.Balakumar, Manager, mobile-9428504066
- b) Sh Raghuvanshi, Dy.Manager, mobile-9427615762

You are requested to intimate your travel programme along with details of accompanying officers from your organization for the above meeting to the above mentioned nodal officer(s) with a copy to us, to enable the host to make appropriate arrangements for the meeting.

You are requested to kindly make it convenient to attend the meeting.

Yours faithfully,

(D.K. Malik)
Director (PTCC)

Agenda
for the 93rd Central PTCC meeting
to be held on 29th April, 2011 at Daman

1.0 Confirmation of the Minutes of the 92nd Central PTCC meeting held at Guwahati on 20.12.2010

The Minutes of the 92nd Central PTCC meeting were circulated by BSNL, Inspection Circle, Jabalpur vide letter no. TD/MP-92 CLPTCC dated 27.01.2011. No comments so far have been received. Therefore, the minutes of the 92nd Central PTCC meeting may be confirmed by the members.

2.0 Follow-up of decisions taken in the last (92nd) Central PTCC meeting

2.1 Ensuring 'Zero Level' on unguarded power crossings

In order to bring down unguarded power crossings to zero level, CEA has continuously persuaded the defaulting Power Utilities. BSNL, Inspection Circle has also taken up the matter with the defaulting Telecom Circles. With these efforts, the unguarded power crossings have reduced from 1217 (at the beginning of year 2009) to only 312 at the end of Nov 2010. The current number of unguarded crossings is less than 100.

As on date few unguarded power crossings have been reported in the state of Rajasthan, Uttarakhand, Assam, and eastern parts of UP. Letter has been sent by CEA to all these states requesting them to take necessary steps to bring down the unguarded crossings to zero . All DETs have earlier been requested to make all out efforts in the State Level PTCC/District level PTCC meetings to the unguarded crossings to zero level to avoid fatal or even non-fatal accidents to the personnel and to properly protect equipment / telecom installations.

DETs (PTCC) may apprise the Committee about the present status and if any difficulties are being faced in achieving the target of zero level of unguarded power crossings.

2.2 Formation of a Committee for Revision of PTCC Manual, 1995 edition

The revised version of PTCC Manual has been printed by CEA and released by the Chairperson CEA on 28.12.2010. It is available for sale for Rupees 600/- per copy. It can be purchased from Electric Power Information Society (EPIS), Central Electricity Authority, Sewa Bhawan, RK Puram, New Delhi-110066. The EPIS's telefax nos. are 011-26101969 and 011-26732216. Further details can be obtained from CEA website www.cea.nic.in . Director (PTCC), CEA in this regard has already circulated full details to all concerned.

2.3 Computerization of PTCC Route Approval Process

In the last meeting, Chief Engineer (LD&T), CEA informed that the proposal for Computerization of PTCC process has been approved by Ministry of Power. Since last meeting, further progress has been made in this direction as CEA is evaluating the bids received for appointed of a Consultant for this project.

The Collection of legacy data is a major task in this project and therefore Nodal Officers from Railway, BSNL and Power utilities are required so that the consultant can interact with them for collecting the requisite data / information. For this purpose, the consultant would prepare few formats and after acceptance by CEA, these will be discussed with the constituents so that they can furnish the data in a comfortable manner.

In the last meeting, AGM (PTCC)/Jabalpur have been nominated as Nodal Officer from BSNL who in turn will coordinate amongst all SSAs/BSNL and will intimate the nomination of coordinators to CEA. Director (Telecom)/Railway Board, New Delhi will be the Nodal Officer from Railways and further nomination of the coordinators from 16 Railway Zones will be intimated to CEA. All Power utilities are also required to intimate the nomination of their Nodal Officers to CEA. In this regard Director (PTCC), CEA has written letters on 11.3.2011 to AGM (Inspection Circle)/BSNL, Director (Telecom) Railway board, all Chief Engineers of the power utilities and EDs of PGCIL to furnish names of Nodal Officers to CEA.

The nomination of Nodal Officers from the many utilities is still awaited.

Members may discuss to expedite the nominations.

2.4 Supply of software for calculation of Induced Voltage and related technical guidance to SEBs/Power utilities

Upgraded version of software for calculation of Mutual Coupling, required for PTCC route approval has been developed by CEA. Chief Engineer (LD&T) CEA offered to supply the software free of cost to the interested state Govt. power utilities for their own use. In the last meeting he moved one step further for providing free on-job training for this computer software. It is reiterated that interested power utilities may send their request to Director (PTCC), CEA for arranging training for their personnel.

2.5 Arranging State Level PTCC meeting at regular intervals

DE (T), PTCC of North and East regions informed in the last meeting that State Level PTCC meetings are not being held at regular intervals in some states. In certain States, these meetings have not been held since long even after repeated reminders to the concerned officials of the Power Utilities/BSNL.

After protracted follow-up by CEA few defaulting states have started conducting SLPTCC meetings. As decided in the last meeting, CEA has issued a letter on 17.02.2011 requesting all the four DETs to inform CEA about those states where State Level PTCC meetings are not being held so that the issue can be taken with those particular defaulting organizations.

DETs PTCC may kindly apprise the Committee about the present status.

2.6 Non-submission of investigation report by the Chief Electrical Inspector, Govt. of Orissa

The matter has been under discussion since last several PTCC meetings. On the basis of the report given by Chief Electrical Inspector, it has been established that the accident had occurred since no guarding had been provided at the crossing of power and telecom line.

It is a case of violation of PTCC code of practice but the violator has not been fixed so far because the dates of existence/date of PTCC approval of the 11 kV line from Khari to Sagarpalli and the telecommunication line emanating from Khameshwarpalli telephone exchange could not be established.

Now, WESCO, the concerned distribution licensee of Orissa have furnished photocopies of the Electricity Bill ledger dated 29.08.1994 to substantiate that the 11kV feeder has been existing since early 1994.

CEA in the last meeting had suggested to form a sub-committee by inducting one member each from CEA, BSNL (Inspection Circle), WESCO and Orissa Telecom Circle. From CEA side, Sh. RP Pandey, Deputy Director was nominated. It was proposed that the meeting (s) of the sub-committee would be convened by Orissa Telecom Circle. The sub-committee was to go into the details and give its recommendations before this Meeting.

Since no action was taken for two months, CEA issued a letter on 17.02.2011 and requested GM (OP) Orissa Telecom Circle to convene the meeting of the sub-committee and resolve the issue.

The Orissa Telecom Circle may apprise the Committee about the status.

2.7 Nomination of member from DISCOMs (Distribution Companies) for State Level PTCC

CEA had circulated a letter to all the power utilities and DISCOMs seeking their nomination and regular participation in the State Level PTCC meetings. With the result, many Power Utilities and DISCOMs have forwarded their nomination to concerned DET (PTCC). In the last meeting, it was reported by the DETs that nomination from few DISCOMs was still awaited. Accordingly, CEA issued a letter on 20.02.2011 and requested all the four DETs to intimate the names of the DISCOMs who have failed in forwarding their nominations so that issue can be taken up with them at the higher level.

DETs (PTCC) may apprise the Committee about the status in their region.

2.8 PTCC clearance of HVDC lines

For PTCC route clearance for 800 kV HVDC line from Biswanath Chanyali to Bongaigaon, it was observed in the last meeting that though the HVDC line

passes through three regions i.e. NER-ER-NR but request for PTCC clearance has been submitted by NER only. It was decided that Powergrid need to send the complete proposal to DET (PTCC), Kolkatta for Eastern Region and DET (PTCC) New Delhi for Northern Region.

It was also observed that the procedure followed by Central PTCC for PTCC Route Approval shall be adhered to in totality and after that only the PTCC Route Approval would be accorded.

Powergrid may apprise the Committee about the status.

2.9 AGENDA FROM INSPCTION CIRCLES, BSNL

2.9.1 DET PTCC, New Delhi

DET (PTCC), New Delhi in the last meeting had informed that PTCUL, Uttarakhand is not submitting proposals for PTCC approval and power lines have been charged without PTCC approval. He also informed that proposals for laying underground (armoured) cables by BSNL Telecom Circles in Northern Zone are not being submitted to their unit for PTCC approval.

CEA in this regard has issued a letter on 21.02.2011 to CGM PTCUL advising them to adhere to PTCC norms and seek PTCC route approval before charging their EHT power lines.

PTCUL may apprise the Committee on the action taken.

2.9.2 AP Telecom Circle, BSNL, Hyderabad

AP Telecom Circle had brought to the notice of the Central PTCC about an accident that caused damage to equipment of Dubacherla Telephone Exchange and Pothavaram Telephone Exchange due to falling of 11KV power line on Telecom line(s). For discussing the case, an enquiry report of the Electrical Inspector of Govt. of Andhra Pradesh was awaited. Later on the Electrical Inspector refused to conduct any inquiry since this was not an electrocution case. Director (PTCC), CEA has issued a letter on 17.02.2011 and requested DGM, AP Telecom Circle to convene a meeting at the earliest and submit its recommendations to the Central PTCC for taking appropriate decision. The AP Telecom Circle may apprise the Committee about the status.

2.10 Agenda from Powergrid, WR-II, Vadodra

Powergrid had informed in the last meeting that for according PTCC clearance to 765 kV Seoni-Wardha transmission line, an amount of Rupees 1.85 crore was deposited by them to South East Central Railway (SECR)-Bilaspur for re-engineering the affected railway circuits. Similarly, for according PTCC route approval for 765 kV Seoni- Khandwa transmission line, an amount of Rupees 3.29 crore was deposited with SECR-Bilaspur towards replacement of overhead telecom circuits to underground co-axial cable on Seoni-Chhindwara section. Powergrid demanded the Auditor certificate from Railways indicating the expenditure break-up.

Director (Telecom)/Railway Board in the last meeting informed that Railways have not yet made the closure statement and assured that issues raised by Powergrid would be taken care of and the required information would be furnished to POWERGRID

Director (Telecom), Railway Board may give the status of the case.

2.11 DET (PTCC), NEW DELHI

DET (PTCC), New Delhi had raised that PTCC Route approval for new 11 KV and 33 KV S/C power lines are not being submitted by the concerned power authorities in the State level PTCC. The proposals of PTCC Route approval for 33 KV D/C and above, up to 400 KV power lines have not been submitted by the concerned power authorities of UP (West), UP (East), Uttaranchal and Punjab.

As decided in the last Central PTCC meeting, CEA has issued a letter on 21.02.2011 and has requested the concerned officers of Punjab STCL, PTCUL, UP (East) and UP (West) for seeking PTCC route approval for all the HT/EHT lines already charged without PTCC Route Approval and to seek PTCC Route Approval for future HT/EHT lines as well.

DET (PTCC), New Delhi may apprise the Committee on the status.

2.12 Agenda from Railways

The Railways informed in the last meeting that the annexure regarding induced voltage calculation are being received from PTCC without Authorized Signature. The same is required to be legislated.

CEA had agreed to comply and also agreed to issue a circular to all the Power Utilities for compliance. Accordingly, Director (PTCC)/CEA has issued a letter on 28.02.2011 and has requested all the power utilities to put their signatures along with their seal on the Induced Voltage Calculations sheet before forwarding it to Railways/BSNL for PTCC route Approval.

Railways may give feedback.

2.13 Assam Telecom Circle

It was reported during the last central PTCC meeting that 11KV power lines are being generally charged by ASEB or other power authorities without PTCC approval. A list of 33kV Power lines was submitted for which the PTCC clearance is pending since proposals at the office of CGMT, Assam Circle are not traceable. ASEB was requested to resubmit the cases or duplicate copies of the proposals may be submitted:

DET (PTCC), Kolkatta who was to co-ordinate in the matter may apprise the Central PTCC about the progress made in the matter.

2.14 Powergrid, NER

Powergrid, NER in the last meeting informed that PTCC clearance is pending with Railways in respect of 8 new cases. Railways had replied that they have issued NOC for 2 cases. The remaining cases except 400 KV Ranganadi-Balipara are in progress.

Railways (NER) may apprise the Committee about the status of the cases.

3.0 **NEW AGENDA ITEMS**

3.1 Agenda from CEA on 'Cyber Security'

Additional Secretary, Ministry of Power has desired that issue of cyber security may be flagged in Central PTCC forum so that Constituent members of PTCC may convey the message in their respective organizations down the line.

Regarding cyber security, it is informed that MOP, in view of the security concerns for IT networks in the Power sector, has directed the utilities to draw up their own security programme for their IT systems and networks already created or likely to be created. This is of more significance for Distribution utilities where in large scale IT applications are likely to be created under R-APDRP, Smart Grid etc. The necessary assistance may be taken from organizations like STQC (Standardization Testing and Quality Certification) and CERT-In (Indian Computer Emergency Response Team). STQC has already created necessary infrastructure for security test/evaluation of IT products as per the international Common criteria standard ISO 15408. This facility is capable of carrying out security test/evaluation of IT products up to level 4 of the Common Criteria standard. The numeric rating describes the depth and rigor of an evaluation. Each level corresponds to a package of security concern and requirement. The Common criteria list 7 levels.

In view of above, the utilities may utilize the enabling/facilitation services available at STQC and CERT-In organizations for establishment of Information Security Management System.

All the utilities are therefore requested that the issue may also be discussed at State and District level PTCC meetings and action taken in this regard may be indicated at the earliest so that MOP can be appraised accordingly.

3.2 Agenda from Power Transmission Corporation of Uttarakhand Ltd. (PTCUL)

Waiver of PTCC clearance in respect of transmission lines charged 5-6 years earlier and PTCC case not submitted.

PTCUL has submitted a list of 14 power lines which were charged during 2005 to 2007 without seeking PTCC route approval. Out of these 14 power lines 12 are of 132 kV and 1 each of 220 kV & 400 kV.

In the SLPTCC meeting held on 23.02.2011 at Rishikesh the PTCUL authority pointed out that there have been no report of any infringement to any telecom lines because of these power lines since their commissioning and requested the

SLPTCC Committee to recommend waver of PTCC clearance from Central PTCC. The SLPTCC Committee too unanimously agreed to the view point of PTCUL and recommended for the wavier of PTCC Clearance.

The Central PTCC may deliberate on this point and give the recommendations.

3.3 Agenda Item from DE PTCC, Inspection Circle, Southern Region, Chennai..

Marking of telecommunication circuits of length upto 5 Kms (Previous CLPTCC meeting minutes closed item no.2.12.2)

It was minuted in the 91st CLPTCC meeting held on 8th June 2010 at Trivandrum that telecommunication circuits whose length is less than 5 Kms and are more than 2 Kms apart from the power line need not be marked.

It is not clearly mentioned that whether this guidelines is applicable for both BSNL and Railway telecommunication circuits and for all capacity of power line as the induction zone is different for HT and EHT category (11 KV-3 Kms on either side, 22&33 KV-5 Kms on either side & 36 KV and above—8 Kms on either side) and the worst fault current level is less for HT line category compared with EHT line category.

3.4 Agenda from DET(PTCC) Northern Region New Delhi.

A. Charging of power lines without PTCC Route approval.

(i) The following 11 KV Power Lines have been charged by the Discom in Rajasthan without taking PTCC Route Approval from concerned Division.

- | | |
|------------------------------|------------------|
| (a) Poogal – Dantoor Line | (Jodhpur Discom) |
| (b) Bajju – Godu Line | (Jodhpur Discom) |
| (c) Chatargarh – RD 465 Line | (Jodhpur Discom) |
| (d) Godu – Bhikhampur Line | (Jodhpur Discom) |

(ii). The following 33 KV Power Lines have been charged by the Discom in Rajasthan without taking PTCC Route Approval from concerned Division.

- | | |
|---|------------------|
| (a)33 KV Pachpadra –Bagundi Line | (Jodhpur Discom) |
| (b) 33 KV Bari to Chhoti Sarvan, Banswara | (Ajmer Discom) |
| (c) 33 KV T-Off from Lodha –Partapur(Banswara) | (Ajmer Discom) |
| (d) 33 KV Lohagal – Pancheel Line | (Ajmer Discom) |
| (e) T-Off HMT Hazaribagh – 33 KV line for 33/11 KV Chandervardi S/S | (Ajmer Discom) |
| (f) 33KV Kalyanipura – Mayo College S/S in Ajmer City. | (Ajmer Discom) |

B. Non Functioning of SLPTCC Unit in State of Delhi

SLPTCC Units is not functioning in the State of Delhi (Power Authorities), so the SLPTCC Meetings are not conducted in time and also pending issues not solved in time. Most of the 66/132 KV cases of DMRC ND & BSES are pending for IV Computations due to non functioning of PTCC Unit in DTL ND.

Note: CEA representative should also be attended at least one or two SLPTCC meeting in a year in every state, on request of DE(PTCC) for clarification of serious points raised in the meetings.

3.5 Agenda from DET(PTCC) Western Region Mumbai.

A. Non reference of proposal for PTCC approval from Goa Electricity Department.

The proposal for PTCC approval are not being submitted by Goa Electricity Department since last two year. Central PTCC Committee may discuss the issue in the ensuing meeting & issue a suitable instruction for submission of PTCC proposal for approval please.

B 1) Non reference of proposal for 11KV power line / cable by power authority in Maharashtra state.

It is seen that construction of 11KV power line / cable are under progress in most of places of Maharashtra state without maintaining safe separation as well as without obtaining PTCC approval from concerned BSNL authority.

This issue is being discussed in every state level PTCC meeting organized in the Maharashtra. Even though there is no progress in this matter .

2) Non reference of PTCC proposal for approval of 33KV power lines

From Maharashtra State Electricity Distribution Company Limited .It is seen that new 33KV power lines are being constructed in most of places in Maharashtra for which the proposal has not yet received to SDE(PTCC), Mumbai for PTCC approval. During the visit of SDE(PTCC), Mumbai in Jalgaon & Nanded district, It is observed that the construction of 33KV s/s at Shirasgaon (Dist. Jalgaon) & 33KV s/s at Malkautha (Dist. Nanded) are almost completed .But the proposal for the said line have not received so far.

Central PTCC Committee may discuss these issues in the ensuing meeting & issue a suitable instruction for submission of PTCC proposal for approval in each case even though there may not be any telecom line / cable existing near to the proposed route of power line.

3.6 Agenda from Punjab Telecom Circle, Chandigarh.

Pending Electrocutation Cases.

It is intimated that there are two electrocution cases pending for very long time with PSEB Patiala Punjab for compensation on humanitarian bases. One is of Sh Chander Bhan (RM) Phillaur ,which is pending since 11-09-1997 and second is of Sh Baldev singh(SIO) Bhogalpur which is pending since 07-06-2000. These cases have been discussed many times (on 11-05-2009, 05-02-2010, 10-08-2011 and 21-01-2011) in State Level PTCC meetings where it was decided to give compensation on humanitarian basis. But it seems that PSTCL Patiala (Punjab) is not interested in giving compensation to both the victims.

DET(PTCC) Northern Zone, New Delhi also issued letter No 302/313/DT-6202 dated 25-02-2010 to Director(PTCC)PSEB CL/TL, B-2, Shakti Vihar Patiala

Punjab to resolve these long pending cases immediately but both cases are still pending with PSTCL Patiala.

4.0 Fresh Agenda

Any fresh agenda item with the permission of the chair.