



भारत सरकार

Government of India

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

भार प्रेषण एवं दूर संचार प्रभाग

[ISO: 9001: 2008]



Load Despatch & Telecommunication Division

एन.आर.ई.बी. परिसर, 18-ए, शहीद जीत सिंह सनसनवाल मार्ग, कटवारिया सराय

NREB Complex, 18-A, Shaheed Jeet Singh S. Marg, Katwaria Sarai,

नई दिल्ली-110016 New Delhi - 110 016

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

Dated: 07.06.2011

To,

All constituents of Central PTCC.

Subject: Minutes of the 93rd Central PTCC meeting held at Daman on 29th April 2011.

Sir,

The minutes of the 93rd Central PTCC meeting held on 29th April 2011 at Daman has been posted on CEA website for the kind information of all concerned.. **The Minutes of the meeting can be downloaded from CEA website <http://www.cea.nic.in/> under the heading “New Uploads”.**

It is requested that any follow-up action required on behalf of your organization may please be initiated immediately so as to achieve fruitful results before the 94th Central PTCC meeting .

The 94th Central PTCC meeting will be organized by Central Electricity Authority in the month of January / February 2012. Agenda items, if any, for the next Central PTCC meeting may please be sent directly to the undersigned with a copy to Chief General Manger, Inspection Circle, Bharat Sanchar Nigam Ltd., Sanchar Vikas Bhawan, Residency Road, Jabalpur – 482 001.

Yours faithfully,

(D.K. Malik)
Director (PTCC)

Minutes of 93rd Central PTCC meeting held on 29th April 2011 at Daman

The 93rd Central PTCC meeting was held under the Chairmanship of Sh. A.K. Aggarwal, Chief Engineer (LD&T) CEA on 29th April 2011 at Daman. Sh. Gyanesh Bharti, IAS, Power Secretary of UT of Daman & Diu was the Chief Guest and Sh. Jamuna Prasad CGM, Inspection Circle/BSNL was the Co-Chairman in the meeting.

The list of participants is annexed.

The meeting started with lightning of lamp by the dignitaries. Sh. S.K. Gupta GM (Projects), Powergrid warmly welcomed the Chief Guest, other dignitaries on the dais and all the delegates assembled from different parts of the country.

While giving opening address, Sh. A.K. Aggarwal, Chairman, Central PTCC stated that Central PTCC has been in existence since 1949 and has members from Power, Telecom, Railway and Defence departments. Issues are resolved amicably with consensus. He stated that with expansion in generation capacity, the requirement of PTCC route approval has increased. Right of way (ROW) is a major issue for both Power and Railway sectors and there is urgent need to preserve them by adopting latest technologies. He thanked for the cooperation extended by all the utilities as no accidental incident had happened in last year. During financial year 2010-11, against submission of 142 cases, 111 cases have been cleared for route approval. In terms of Ckt km, there is increase of 37% compared to last year. Citing the requirement of computerization of PTCC process, he stated that existing generation capacity is 170 GW and around 60000 MW capacity additions is expected in the 11th plan. Capacity addition of around 100 GW each in 12th and 13th plans has been planned. With this, commensurate addition of transmission system has also been planned and therefore there is an urgent need for reduction of time taken in PTCC route approval process. CEA has already taken action and finalization of Consultant for computerization of PTCC process is in the final stage. By 2013, PTCC route approval would be carried out by web-based system and a case could be cleared in about 4-5 days.

Till computerization of whole scheme is done, Sh. Aggarwal stated that some short-term measures may be taken like utilities may communicate through email. It will not only speed up PTCC process but also familiarize the concerned utilities with web based communication which ultimately they have to do after implementation of computerization of PTCC scheme. CEA keeps on prioritizing the cases for PTCC route approvals meaning thereby that the lines which are going to be commissioned in next 3 months are immediately taken so that under no circumstances, generation gets blocked due to not availability of evacuation system. This practice would continue. Depending upon the situation, CEA convenes special Central PTCC meetings to resolve specific issues pertaining to concerned agencies. For example,

in last year, special Central PTCC meetings were held at Bangalore, Mumbai and Ahmadabad respectively and the result is that pending works have been taken up expeditiously. He further stated that charging of power lines without PTCC clearance is violation of law. Section-160 of EA-2003 provides mandate in this. In pursuance of stipulations provided in EA-2003, CEA has recently notified Safety regulations and as per regulation-69, when overhead lines crosses or in proximity to any telecommunication line, the owner of either the overhead line or telecommunication line, whoever lays his line later, shall arrange to provide for protective devices or guarding arrangement. Based on above, Electrical Inspectorate division of CEA has developed a format required to be filled by the concerned agency where in PTCC clearance is one of the essential enclosures as a part of check list. Similar enforcement is required to be done by EIs at state level and for this State level PTCC plays an important role. Regular meetings and appraising the utilities about prevalent laws position will produce desired results. EIs have power of charge-sheeting the violators and under section 146 of the Act, penalty up to Rs one lakh can be imposed. For all this, regular state level PTCC meetings are required to be held.

Subsequently, Sh. Jamuna Prasad, Co-Chairman Central PTCC, Sh. Alok Kaul, CGM, BSNL, Maharashtra Telecom Circle, Sh. D.K. Singh, GM (Mundra) and Sh. D.K. Malik, Director (PTCC),CEA expressed their views. Finally, Sh. Gynesh Bharti expressed his views and appreciated the role of PTCC.

Sh. DK Malik, Director (PTCC)/CEA took up Agenda items for further deliberations.

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 held at Guwahati on 20.12.2010 were circulated by Inspection Circle/BSNL vide letter no. TD/MP-92 CLPTCC dated 27.01.2011. No comments have been received so far. The participants confirmed the minutes of last Central PTCC meeting.

2.0 FOLLOW UP:

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 40 by 31.03.2011. As per the information received from BSNL Inspection Circle, one unguarded power crossing has been reported in the state of Karnataka and 39 reported in the state of Assam. (In Assam, Power Utilities are to take action for 28 unguarded crossings and BSNL is to take action for 11 unguarded crossings). When Chairman, Central PTCC demanded time frame for corrective

action, representatives from KPTCL, AEGCL and BSNL/Assam Telecom Circle assured to provide guarding within one month.

All DETs PTCC were requested to keep strict vigil on the unguarded crossings and make all out efforts in the State Level PTCC/District level PTCC meetings to keep the unguarded crossings at zero level to avoid fatal or even non-fatal accidents to the personnel and to properly protect equipment/telecom installations.

(Action by: KPTCL/AEGCL/BSNL Assam Telecom Circle/DET PTCCs)

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

Sh. Aggarwal, CE, CEA informed that revised version of PTCC Manual has been printed and was released by Chairperson CEA on 28.12.2010 in a function held in CEA. The PTCC Manual is for sale for Rupees 600/- per copy. It can be purchased from Electric Power Information Society (EPIS), Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066, Telefax: 011-26101969, 011-26732216. In case of any further details, CEA website www.cea.nic.in may be visited.

Sh. Jamuna Prasad, Co-Chairman, Central PTCC stated that PTCC manual is an important document and helps in taking decisions. All Public, State or Private Power Utilities / BSNL / Railways /Public or Private Telecom Utilities / other Stakeholders may kindly send their requirement directly to EPIS.

It was decided that this item may be closed for future agenda.

(Action by: All Power/Telecom utilities/Railways)

2.3 Computerization/Digitalization of transmission lines, marking of telecom details by BSNL/Railways on the digital map of Survey of India

Sh. Aggarwal, CE, CEA and Chairman of Central PTCC informed that for appointment of a Consultant for “Computerization of PTCC process”, evaluation of technical and financial bids has been completed and Consultant shall be appointed within two weeks. Collection of legacy data is major task in this project and for this purpose, Consultant would finalize the formats in consultation with CEA. To complete this work quickly, finalization of Nodal Officers from Railway, BSNL and Power utilities is required. He suggested that nodal officers at two layers as detailed below may be considered:

LEVEL-1

Power: DGM or equivalent from state power utility who is Chairman/Co-Chairman of SLPTCC

Telecom: DGM (BSNL) from State Telecom Circle who is Chairman/Co-Chairman of SLPTCC

Railways: Dy. CSTE from the concerned Railway zone who is member of SLPTCC

LEVEL-2

Power: GM or equivalent from state power utility who is member of Central PTCC; DGM (Engg.)/Powergrid

Telecom: DETs of 4 BSNL zones i.e. Delhi, Kolkata, Mumbai and Chennai

Railways: Director (Telecom), Railway Board for interacting with all 16 zones

Director (PTCC) CEA shall be the overall co-coordinator for the power sector for collection of legacy data. AGM/(Inspection Circle) BSNL Jabalpur and DGM (HQ)/Jabalpur would coordinate for the telecom sector for collection of legacy data.

The selected Consultant would interact with each utility and help them to furnish the data in required format.

(Action by: BSNL/Railway/Power Utilities/CEA)

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

The upgraded version of software for calculation of Mutual Coupling, required for PTCC route approval has been developed by LD&T Division of CEA. The software along with training is offered free of cost to the interested state Govt. power utilities for their own use. So far, requests from Punjab, J&K and Chattisgarh have been received. With more requests, groups would be formed for imparting the training. All the interested state power utilities may send their request to Director (PTCC) for this purpose.

(Action by: All Power Utilities)

2.5 Arranging State Level PTCC meeting at regular intervals

DET, PTCC of Northern region informed that State level PTCC meetings in Delhi are not being held regularly. DET, PTCC of Eastern region informed State Level PTCC meetings are not being held at regular intervals in Bihar and Jharkhand.

It was decided that CEA would take up the matter at high level in the above stated state utilities.

All the four DETs/PTCC were requested to monitor closely the frequency of SLPTCC meetings and apprise the Central PTCC in case of default by any State utility.

(Action by: All DETs /PTCC, CEA)

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

The incident had occurred way back in year 2000. 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 has been emerged that it is a case of violation of PTCC code of practice but the violator has not been fixed so far. In the last central PTCC Meeting, a sub-committee was formed by inducting one member each from CEA, BSNL (Inspection Circle), WESCO and Orissa Telecom Circle to look into this. The terms of reference (TOR) of the sub-committee is given below:

1. To check the PTCC route approval of the 11kV Khari to Sagarpalli power line.
2. To check the PTCC Route Approval of the telecom line emanating from Khameshwarpalli telephone exchange, involved in the accident
3. In case, no PTCC Route Approval is available then the sub-committee can verify the old records of OSEB to establish the date of existence of the 11kV Khari to Sagarpalli power line.
4. Similarly by verifying the old records of BSNL the date of existence of the telecom line involved in the accident can be established.
5. The committee shall verify the authenticity & credibility of the records produced by the power and telecom authorities. Records should be certified by the senior level officer of concerned utilities.
6. Submit a report before the Chairman, Central PTCC clearly indicating the agency which is the later entrant by 30.6.2011.
7. Orissa Telecom Circle shall be convener for the sub-committee.

OPTCL representative informed that a meeting in this regard was held on 26th April 2011 at Bhubaneswar where both the BSNL and WESCO produced their old records indicating the date of existence of their installations.

The Central PTCC decided that based on above TOR, the Sub-Committee may initiate action.

(Action by: CEA/BSNL Inspection Circle/WESCO/Orissa Telecom)

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

CEA intimated that they had circulated a letter to all the power utilities for seeking nomination from the DISCOMs for attending the State Level PTCC meetings regularly. CEA has received nominations from various Power Utilities and a copy of the same has been endorsed to DET (PTCC). In the meeting, it was reported by the DETs that nomination from few DISCOMs was still awaited. For getting the nominations from the defaulters, CEA shall issue a letter to all Chief Engineers of State Power Utilities for expediting the nominations. All the four DETs were requested 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.

(Action by: DET's (PTCC)/ Power utilities/DISCOMs/CEA)

2.8 PTCC clearance of HVDC lines

Proposal for PTCC route approval for \pm 800 kV HVDC power line from Biswanath Chanyali to Agra is being submitted by Powergrid. Since the length of the power line is nearly 2200 KM and the line passes through three regions i.e. NER-ER-NR the proposal is being submitted in nine sections. Proposal for PTCC Route Approval of four sections has already been submitted and out of these four, CEA has already received complete Telecom and Railway details for two sections.

In the last Central PTCC meeting, it was decided that the procedure followed by Central PTCC for PTCC Route Approval for other lines shall be adhered to in totality for this case also. During the meeting it was proposed by Director (PTCC) CEA that since complete details of two sections is already available with CEA so these may be processed for computation of Induced Voltages (IV). The IV computation of the balance sections shall be carried out as and when their information is received. The Chairman & Co-Chairman of the Central PTCC meeting agreed to the proposal and said that initially PTCC RAC shall be issued for each section individually by holding meetings immediately. PTCC RAC issued for each section individually shall carry a suitable clause that the RAC is subject to clearance of complete length of line from Biswanath Chanyali to Agra. However, a combined PTCC RAC for the complete HVDC line shall have to be issued at the end.

(Action by: CEA/Powergrid)

2.9 AGENDA FROM INSPECTION CIRCLES, BSNL

2.9.1 DET PTCC, New Delhi

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

The representative from PTCUL stated that they have started submitting the proposals for PTCC route approval for their new EHT Power Lines. For those power lines which are already charged without PTCC RAC (12 nos. of 132 kV, 1 no. each of 220 kV and 400 kV), waiver of PTCC Route Approval has been sought. It was decided that blanket waiver can not be given. PTCUL is to submit these cases like normal cases and thereafter these would be examined and accordingly suitable action would be taken.

It was also decided that Inspection Circle (BSNL)/Jabalpur shall issue instructions to all Telecom Circles for mandatory PTCC route approval of Underground Telecom Cables.

(Action by: PTCUL/BSNL)

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). An enquiry by the Electrical Inspector of Govt. of Andhra Pradesh could not be conducted as the Electrical Inspector refused to conduct any inquiry since this was not an electrocution case.

To settle this case the later entrant has to be established so in the 91st Central PTCC meeting, it was decided to constitute a sub-committee comprising members from local BSNL, AP TRNSCO, APEPDCL (DISCOM) and CEA. The TOR of the sub-committee is as under:

1. To check the PTCC route approval of the 11kV power line.
2. To check the PTCC Route Approval of the telecom line emanating from Dubacherla Telephone Exchange and Pothavaram Telephone Exchange involved in the accident
3. In case no PTCC Route Approval is available then the sub-committee can verify the old records of APSEB to establish the date of existence of the 11kV power line.

4. Similarly by verifying the old records of BSNL the date of existence of the telecom line involved in the accident can be established.
5. The sub-committee shall verify the authenticity & credibility of the records produced by the power and telecom authorities. Records should be certified by the senior level officer of concerned utilities.
6. Submit a report before the Chairman, Central PTCC clearly indicating the agency which is the later entrant by 30.6.2011.

Andhra Pradesh Telecom Circle, BSNL shall be the convener of the sub-committee.

(Action by: AP Telecom Circle)

2.10 Agenda from Powergrid, WR-II, Vadodra

Powergrid informed that for according PTCC clearance to 765 kV Seoni-Wardha transmission line, an amount of Rupees 1.89 crore was deposited by them to South East Central Railway (SECR)-Bilaspur for re-engineering the affected railway circuits. He requested that the status of implementation of the works and adjustment of advance made to SECR-Bilaspur may be communicated to them. 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. Though SECR, Bilaspur has furnished the work completion details but Auditor certificate for the expenditure break-up would be required for auditing purpose.

Director (Telecom)/Railway Board informed that the closure report for Rs 3.29 crore has been forwarded to Powergrid and the closure report for Rs 1.89 crore shall be forwarded in this year.

(Action by: SECR/Railway Board)

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.

CEA issued a letter on 21.02.2011 and has requested the concerned officers of PSTCL, 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.

The representatives from PSTCL and PTCUL stated that they have started forwarding the proposals for PTCC RA. Since there was no representative from UP

(East) and UP (West) the status could not be known, however matter shall be pursued by CEA and DET (PTCC) New Delhi.

(Action: CEA/DET- New Delhi)

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.

Chairman, Central PTCC stated that a list of 36 pending cases of PTCC has been compiled (placed at Annex-II) which are required to be completed in next 3-4 months. The agencies that are to furnish information have been indicated clearly. He requested that the concerned agencies may submit information at the earliest.

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:

After deliberating on this issue, the Committee ruled that all 11/33 kV cases be discussed at SLPTCC level. The Central PTCC be approached only in exceptional cases with full justification.

(Action: DET (PTCC) ER/ Assam Telecom circle)

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.

On this issue, representative from NE Railways informed that out of 8 cases NOC for 3 has been issued, for 2 cases NOC is under issue, for one case clarification has been sought and remaining cases are under process.

It was decided to close this item for future agenda.

3.0 NEW AGENDA ITEMS

3.1 Agenda from CEA on 'Cyber Security'

Chairman, Central PTCC stated that 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.

Giving background, it was 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.

The Chairman, PTCC stated that in view of vast capacity addition proposed during 12th and 13th five year plans, many new equipments particularly from IT side would be purchased from outside the country and therefore cyber security of such products is of utmost importance. Though the checks and balances exist but still the message needs to be trickled down the line for taking extra care in this direction.

The Co-Chairman & CGM (Inspection Circle)/BSNL appreciated the security concerns expressed by CEA for IT networks in the Power sector. He offered to share the information on cyber security being used by BSNL for their system so that power utilities may be benefited with it.

Considering the importance of the issue, it was decided that all the utilities would discuss the issue of cyber security at State and District level PTCC meetings and action taken in this regard may be intimated to CEA at the earliest, for appraisal of Ministry of Power.

(Action: All Utilities/BSNL-Inspection Circle)

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

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 one each of 220 kV & 400 kV.

In the SLPTCC meeting held on 23.02.2011 at Rishikesh, the PTCUL 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 waiver 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.

Central PTCC decided that the precedence of waiving off the PTCC RA should not be started. Therefore PTCUL was asked to forward PTCC RA proposals for all the 14 power lines that have been charged unilaterally without PTCC RA.

(Action: PTCUL)

3.3 Agenda Item from DET/PTCC, Inspection Circle, Southern Region, Chennai

In the minutes of 91st CLPTCC meeting held on 8th June 2010 at Trivandrum, it is mentioned that the telecommunication circuits whose length is less than 5 KM and are more than 2 KM 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.

Director (PTCC)/CEA clarified that any U/G BSNL Cable whose length is less than 5 KMs and are more than 2 KMs apart from the power line need not be marked. However in exceptional cases where DET(PTCC) feels that the IV is likely to exceed the limit then the U/G cables may be marked for calculation of IV. Presently this condition is applicable only for U/G cables of BSNL and is not being applied for O/H alignment of BSNL and Railway Circuits. This condition is applicable for all categories of power lines.

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

A. Charging of power lines without PTCC Route approval

- (i) Following 11 kV power lines have been charged by the DISCOMS 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) Following 33 kV power lines have been charged by the DISCOMS in Rajasthan without taking PTCC Route Approval from concerned Division.
- (a) Pachpadra –Bagundi line (Jodhpur DISCOM)
 - (b) Bari to Chhoti Sarvan, Banswara (Ajmer DISCOM)
 - (c) T-Off from Lodha –Partapur(Banswara) (Ajmer DISCOM)
 - (d) Lohagal – Panchheel line (Ajmer DISCOM)
 - (e) T-Off HMT Hazaribagh – 33 kV line for 33/11 kV (Ajmer DISCOM) at Chandervardi S/S
 - (f) Kalyanipura – Mayo College S/S in Ajmer City (Ajmer DISCOM)

After deliberation, the Committee decided that all above 11/33 kV cases be discussed at SLPTCC level. The Central PTCC be approached only in exceptional cases with full justification.

(Action: DET-PTCC, New Delhi)

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, New Delhi.

CEA agreed to take up the matter with the concerned authorities in DTL to revive functioning of PTCC cell.

(Action: CEA/ BSNL/Inspection Circle)

3.5 Agenda from DET(PTCC) Western Region, Mumbai

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

The proposals for PTCC approval are not being submitted by Goa Electricity Department (GED) since last two year. It was decided that CEA would take up the matter with Goa Electricity Department.

(Action: CEA/GED)

B. Non-reference of proposal for 11kV and 33 kV power line/cable by power authority in Maharashtra state.

It is seen that construction of 11KV and 33 kV 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.

Despite the issue is being discussed in every state level PTCC meeting organized in the Maharashtra, there is no progress in this matter. Chairman, PTCC stated that STU is the nodal agency in PTCC cases irrespective of voltage levels. In case, DISCOMS are not abiding the guidelines then the issue can be raised by the STU in their Co-ordination meeting which is a high level meeting.

(Action: Maharashtra STU)

3.6 Agenda from Punjab Telecom Circle, Chandigarh

Pending Electrocutation Cases

Two electrocution cases are 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.

The representative from PSTCL said that their organization has already clarified that they have no provision to pay compensation on humanitarian basis.

It was decided to close this item for future agenda.

3.7 Agenda from Orissa Power Transmission corporation limited (OPTCL)

A. PTCC Code of Practice and Implementation

As per code of practice, the cases relating to 33 kV and above and upto 132 kV would be processed by the Electricity Board/Power Utility. But, in Orissa, the

distribution zones have already been privatized and are running under private operators who have so far been observed to be non-responsive in matters relating to PTCC. Under the above circumstances, would it be proper to depend and rely on the private operators. The Central PTCC is requested to issue necessary directives to all DISCOMS for strict adherence towards ensuring PTCC approval from the concerned authorities as per PTCC code of practice during planning/construction and before energization of any new power lines/cables and desist from unilateral charging which is dangerous to the telecom assets and personnel in the vicinity.

The view point of OPTCL was well appreciated by the Central PTCC. It was decided by the Chairman that a circular shall be sent to all Chairman (Power) of the SLPTCC requesting him to take up the issue with the Distribution companies in their state and advising them to seek PTCC RA in their own interest.

(Action: CEA)

B. PTCC Approval Awaited for the following proposals

a) 220 kV D/C transmission line from Mendhasal to Bidanasi

b) Diversion of 220 kV D/C transmission line from Meramundali to Duburi to provide adequate clearance over railway line of M/s GMR Kamalaganga Energy Ltd., Kamalanga, Dhenkanal

CEA informed that details from both BSNL and Railways are awaited and therefore OPTCL was requested to take-up the issue with BSNL and Railways to expedite the details.

(Action: OPTCL/BSNL/Railways)

3.8 Agenda from Powergrid SRTS-II, Bangalore

1. East Cochin-Trichur line

All necessary payment of Rs.2,55,569/- has already been made in line with the terms of the RAC (Route Approval Certificate) and the letter reference No.T4/407/2005-10/15 dated 06.01.2009 received from M/s BSNL. In addition to the above, another demand note of dated 28.02.2011 from BSNL as cost of protection works in the telecom circuits under Manjapara telephone exchange has been received. But as per Clause No.1, Annexure-II of RAC, the cost is to be borne by M/s BSNL for providing GD tubes protection in the telecom circuits under Manjapara telephone exchange. Further as per clause No.4, the protection work is to be completed by 10 weeks after issue of the route approval. But even after of period of 75 weeks, after making necessary payment towards the protection work, the same has not been completed. The matter was taken up with M/s BSNL vide letter dated 05.03.2011 addressed to AGM (P), Ernakulam and letter dated 05.04.2011 addressed to AGM (CP), Ernakulam and letter dated 05.04.2011 addressed to DE

(T), PTCC, Chennai. A copy of both the letters were forwarded to all concerned. The work on this line is likely to be completed in all respects and ready for charging in June, 2011. In view of this, an early completion of the protection work will help in getting the energization certificate in time.

In reply, BSNL authorities gave indication of issuing the charging permission as they informed that all protection works have been completed.

2. PTCC Route Approval for the following power lines is awaited:

- 400 kV Hassan-Mysore D/C Line - IV comments issued by CEA on 09.05.2011
- LILO of both ckts of 400kV Nelamangla-Somanahally D/C line at 400kV Hubli - Proposal not received by CEA
- LILO of both ckts of Udumalpet – Madakatheraat 400kV chullar - Proposal not received by CEA
- 230kV D/C KFBR-Sirucheri - Proposal not received by CEA
- 400kV Tuticorin- Madurai D/c Quad line - BSNL details awaited

For all the above cases, CEA shall issue reminder to all concerned to expedite the details.

(Action: Powergrid SR-II/BSNL/CEA)

3.9 Agenda points from Powergrid WR-II, Vadodara

- a) 400kV D/C Bachau - Vadavi (Ranchchodpura) Tr. Line
PTCC case submitted on 13.07.2009 (Commissioning by Dec-2011)

Induced Voltage calculations sent by Director-PTCC, CEA, New Delhi on 20/10/2010 to DET-PTCC, Mumbai and CSTE, WR, Mumbai. Issuance of No Objection Certificate from CSTE, Western Railway, Mumbai is held up as CSTE, WR, Mumbai has raised certain objections regarding the human safety as the IV on the O/H communication circuits is 110 Volts, whereas the I.V. limits as per CCIIT guidelines is 650 Volts. CEA took the matter with Director-Telecom, Railway Board, New Delhi to intervene in the matter, since the Induced Voltage limit as per PTCC Manual, which contains Central PTCC decisions, is 650 Volts. Powergrid stated that the matter needs to be discussed and resolved, since the line is nearing completion and likely to be commissioned by Dec-2011 matching with the Generation Projects of MUNDRA UMPP.

The PTCC RA for the proposal is held up as clearance from Western Railway is still awaited. The representative from Western Railway (WR) stated that protection arrangements are required for human safety where induced voltage is more than 100 V for working on overhead lines. On the other hand, the induced voltage limit as per PTCC Manual is 650 Volts and based on this, WR had already cleared PTCC cases in the past. Considering fresh doubts raised by WR involving human safety, Chairman Central PTCC proposed to set up a sub-committee drawing one member each from Railways, CEA and Powergrid to dig out information on the issue from reference books, journals, CCIIT guidelines, etc. The term of reference (TOR) for the sub-committee is to determine voltage limit from human safety point of view for working on overhead lines. The sub-committee shall submit the report before Chairman Central PTCC by July, 2011. Sh. NP Gupta, Dy. CSTE, Western Railway shall be the Convener of the Sub-Committee and Powergrid besides acting as member of the sub-committee shall provide logistic support in arranging meetings, etc. The sub-committee, if find necessary, may co-opt any other member who can contribute in resolving the issue. It was also decided that till the sub-committee reaches any conclusion, the WR will not hold up PTCC RA clearance and continue to issue NOC as has been done in the past.

(Action: Powergrid/CEA/Railway Board)

- (b) & (c) 400kV D/C Mundra - Jetpur Tr. Line
PTCC case submitted on 03.07.2009 (Commissioning by March-2012)
- 400kV D/C Mundra - Limbdi (Chorania) Tr. Line
PTCC case submitted on 04.07.2009 (Commissioning by Feb-2012)

The above cases were submitted in the year 2009. The marked BSNL details are available in CEA. Railway telecom and signal circuit details format were already available in the office of CEA, however, due to misplacement of route map marking the railway telecom details, the PTCC cases could not processed by CEA and request was made on 19.1.2011 to Dy. CSTE, Mumbai for furnishing the route map. After lot of persuasion by Powergrid - WR-II with CSTE- WR (Mumbai), the route map drawing were traced in the month of March-2011 and collected. The same have been forwarded to CEA vide letter dated 16.04.2011. The above stated lines are to be commissioned by Feb/Mar'12 matching with the generation project schedule, therefore, Induced Voltage calculations needs to be expedited.

CEA informed that that they are yet to receive the Route maps of Western Railway. It was assured that once the information is received, the cases would be processed quickly.

- (d) 400kV D/C Gandhar - Navsari transmission Line
PTCC case submitted on 17.11.2009 (Commissioning by Mar-2012)

The case was submitted in the year 2010. After marking of BSNL details, the complete PTCC case is available in the office of CEA-new Delhi. CEA- New Delhi

vide letter ref. no. 75 dated 19/01/2011 has informed that Railway telecom details were not received. During the visit to Western Railway, Mumbai office in the month of March-2011, it is understood that Western Railway has sought certain clarifications like 8 KMs boundary on either side of the route and railway signal and telecom details and the case were marked to GETCO, Vadodara inadvertently. During the visit to Western Railway, Mumbai in the month of March-2011, the above information got obtained. After marking the requisite details as desired by Western Railway, Mumbai, the marked route map is forwarded to Western Railway, Mumbai vide letter dated 16.04.2011.

The subject line is to be commissioned by Mar'12 to match with the generation project schedule, Induced Voltage calculations needs to be expedited.

CEA informed that they are yet to receive Railway details.

- (e) LILO of 2200kV D/C Kawas - Navsari at NAVSARI
PTCC case submitted on 09.04.10 (Commissioning by Mar-2012)

The case was submitted in the year 2010. After marking of BSNL details, the complete PTCC case is available in the office of CEA-new Delhi. During the visit to Western Railway, Mumbai in the month of March-2011, it is noted that Western Railway has marked the Railway telecom and signal circuit details and forwarded to POWERGRID, WR#2, Vadodara vide letter dt. 15/11/2010, which were not traceable. Copy of the letter is obtained and the same is forwarded to Western Railway, Mumbai vide letter dated 16.04.2011. The above line is to be commissioned by Mar'12 to match with the generation project schedule, Induced Voltage calculations needs to be expedited.

CEA informed that they are yet to receive proposal from Powergrid.

- (f) 765kV S/C Bina - Indore Tr. Line.
PTCC case submitted on 15.03.10 (Commissioning by July-2012)

Marking of telecom details by BSNL and Railways (West Central Railway-Jabalpur & Western Railway - Mumbai and NCR-Allahabad is further perused) and vide letter dt. 15/11/2010, WCR-Jabalpur has forwarded their portion Railway telecom details to Director-PTCC, CEA, New Delhi. Western Railway, Mumbai vide letter dt. 03/01/11 has informed certain details for marking the 8 KM boundary on either side of the line. The same is being pursued and shall be forwarded to Western Railway by May-2011. Further, marking of Railway telecom details from the office of NCR-Allahabad is being followed up. Further, SDE-PTCC, Bhopal and DET-PTCC, Mumbai requested for signed copy of the route map, which is being forwarded by May-2011.

CEA informed that they are yet to receive BSNL details.

- (g) 400kV D/C (QUAD) Indore - Indore Tr. Line.
PTCC case submitted on 16.03.10 (Commissioning by April-2012)

Marking of telecom details by BSNL and Railway is further perused and to be expedited from the office of SDE (PTCC), DET (PTCC) office.

Western Railway, Mumbai vide letter ref. no. 113 dt. 24/12/2010 has informed for furnishing the 8 KM boundary on either side of the line. The above information's is being further persued and shall be forwarded to Western Railway-Mumbai by May-2011. DET-PTCC vide letter ref. no. MP-294 dated 01/02/11 has forwarded the BSNL telecom details to Director-PTCC, CEA, New Delhi.

CEA informed that they are yet to receive Railway details.

- (h) 765kV S/C Satna - Bina Ckt#1 Tr. Line
PTCC case submitted on 25.03.10 (Commissioning by May-2012)

Marking of telecom details by West Central Railway, Jabalpur is completed and relevant Railway telecom details were forwarded to Director-PTCC, CEA, New Delhi vide letter ref. no. T-50 dt. 16/11/2010.

DET-PTCC vide letter ref. no. MP-296 & MP-297 dt. 27/12/2010 addressed to concerned BSNL-Telecom circle has informed that the BSNL underground / overhead line is to be marked legibly for Satna, Panna, Damoh and Sagar Districts. As such, the same is to be further followed up by POWERGRID with concerned BSNL authorities and to be expedited for sending the completed BSNL details to CEA – New Delhi.

CEA informed that they are yet to receive BSNL details.

- (i) 765kV S/C Satna - Bina Ckt#2 Tr. Line.
PTCC case submitted on 29.04.10 (Commissioning by May-2012)

Marking of telecom details by West Central Railway, Jabalpur is completed and relevant Railway telecom details were forwarded to Director-PTCC, CEA, New Delhi vide letter ref. no. T-50 dt. 16/11/2010.

DET-PTCC vide letter ref. no. MP-296 & MP-297 dt. 27/12/2010 addressed to concerned BSNL-Telecom circle has informed that the BSNL underground / overhead line is to be marked legibly for Satna, Panna, Damoh and Sagar Districts. As such, the same is to be further followed up by POWERGRID with concerned BSNL authorities and to be expedited for sending the completed BSNL details to CEA – New Delhi.

CEA informed that they are yet to receive BSNL details.

- j) LILO of 400kV D/c V'chal - J'pur Ckt#3 & 4 transmission line at SASAN UMPP
PTCC case submitted on 25.06.10 (Commissioning by Mar-2012)

Marking of telecom details by BSNL to be expedited from the office of SDE(PTCC), office West Central Railway, Jabalpu vide letter ref. no.T-50 dt. 10/08/10 has forwarded the No Objecton Certificate for LILO of the line.

CEA informed that they are yet to receive both BSNL and Railway details.

- (k) 765kV S/C Sasan - Satna Ckt#1 Tr. Line
PTCC case submitted on 22.07.10 (Commissioning by June -2012)

DET-PTCC vide letter ref. no. MP-300 dt. 31/07/10 has forwarded the details to SDE-PTCC-Bhopal for marking of BSNL Telecom details. The same needs to be expedited for Sidhi portion, as it is understood that Satna portion already marked and pending for want of Sidhi portion.

Further, marking of telecom details by West Central Railway, Jabalpur is to be expedited.

CEA informed that they are yet to receive both BSNL and Railways details.

- (l) 765kV S/C Sasan - Satna Ckt#2 Tr. Line
PTCC case submitted on 31.08.10 (Commissioning by June -2012)

DET-PTCC vide letter ref. no. MP-306 dt. 22/09/10 has forwarded the details to SDE-PTCC-Bhopal for marking of BSNL Telecom details. The same needs to be expedited for Sidhi portion, as Satna portion, it is understood that Satna portion already marked and pending for want of Sidhi portion.

Further, marking of telecom details by West Central Railway, Jabalpur is to be expedited.

CEA informed that they are yet to receive both BSNL and Railway details.

For all the above cases CEA shall issue reminder to all concerned to expedite the details.

(Action: CEA)

3.10 Agenda points from PGCIL, WR-I, Nagpur

PTCC Route Approval of the following proposals is awaited.

1. 400kV Korba- Raipur - IV issued by CEA on 05.05.11

2. 400kV Wardha-Parli-II - IV issued by CEA
3. 400kV Raipur-Wardha. - IV issued by CEA
4. 765kV Seoni-Wardha-II - Railways details pending
5. LILLO of Lonik;d-Kalwa at Mumbai.- IV Comments issued by CEA
6. 400kV Vapi-N.Mumbai - Railways details pending
7. 765kV Ranchi-Sipat.- Railways details pending
8. 400kV Wardha-Wardha. - Proposal not received

For all the above cases CEA shall issue reminder to all concerned to expedite the details.

(Action: CEA)

4.0 Fresh Agenda.

With the permission of the Chair, fresh agenda from KPTCL was taken up

4.1 Agenda from KPTCL.

KPTCL informed that for issuing of RAC for PTCC cases where the approval is required for new S/S & EHT lines emanating from old S/S, the DET (PTCC) Southern Region is insisting upon submission of EPR details for both existing & proposed new S/Ss.

After deliberations, Director (PTCC)/CEA assured the representative from KPTCL that the issue will be taken up with DET (PTCC) SR for early resolution.

(Action: CEA)

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

The 94th Central PTCC meeting will be organized by Central Electricity Authority, New Delhi, the agenda points for the ensuing meeting may be sent directly to Director (PTCC), Central Electricity Authority, NRPC Complex, 18A, SSJ Marg, Katwaria Sarai, New Delhi-110016 or e-mailed at dirptcc.cea@gmail.com.

Status of PTCC proposal of critical power lines scheduled for commissioning upto Aug 2011				
Sl. No.	Case Name	Commissioning Date*	Status for Route Approval	Remarks
765kV and 400kV Lines				
Northern Region				
1	400kV D/C Chamera III Pooling Stn Rajera (Chamba) to Kartarpur (Jalandhar)	Jul-11	IV Sent, 04/04/2011	DET clearance awaited
2	400kV S/C Jaisalmer-Jodhpur line	Jun-11	Under Process	
3	400kV D/C Dadri - Loni	Jun-11	BSNL det Awaited	
Eastern Region				
4	400 kV D/C Durgapur STPS to Raghunathpur	Jun-11	Power det Awaited	
5	LILO of 400kV Maithon-Ranchi at Raghunathpur	Jun-11	Power det Awaited	
6	400kV D/C Raghunathpur - Ranchi	Aug-11	E. Rly det Awaited	
Western Region				
7	400 kV D/C Korba NTPC - Birsingpur	Jun-11	S. E. C.Rly det Awaited	
8	400kV D/C Korba-Raipur Tx. Line	Jun-11	BSNL det Awaited	
9	400kV D/C Karamsad-Rajgarh Power Line	Not mentioned	BSNL det Awaited	
10	400kV D/C Wardha - Parli Transmission line	Jun-11	IV Sent, 05/04/2011	DET clearance awaited
11	765kV S/C Seoni-Wardha Trans. Line Ckt-II	Jun-11	C. Rly det Awaited	
12	400kV D/C (Quad) Raipur-Wardha Transmission Line	Jun-11	IV Sent, 25/04/2011	DET clearance awaited
13	400kV D/C Vapi - Navi Mumbai	Commissioning uncertain	C. Rly det Awaited	
14	400kV D/C Parli - Pune	Aug-11	BSNL + S. C. Rly det Awaited	
15	400kV D/C Pune - Aurangabad	Not mentioned	Under Process	
16	400kV Solapur-Parli	Jul-11	BSNL det Awaited	

17	400kV Solapur-Kolhapur	Not mentioned	S. C.Rly det Awaied	
18	400 kV D/C Mundra - Limdi	Aug-11	W. Rly det Awaied	
19	400 kV D/C Mundra - Jetpur	Aug-11	W. Rly det Awaied	
20	400 kV D/C Gandhar - Navsari	Aug-11	W. Rly det Awaied	
21	400kV D/C Kosamba - Choriana	Jul-11	BSNL + W. Rly det Awaied	
Southern Region				
22	LILO of 400kV of both Circuit of Udumalpet line at Chuliar	Jul-11	BSNL + S. Rly det Awaied	
220kV Lines				
Northern Region				
23	Sampla - Mohana	Feb-2011 (Work delayed)	BSNL det Awaied	
24	LILO of Debari- Banswara at Madri (Udaipur)	Jun-11	BSNL + N. C. Rly det Awaied	
25	Mandawar - Alwar MIA	Aug-11	Power det Awaied	
26	Khuskhera - Neemrana I/C Line	Apr-2011 (Work delayed)	Power det Awaied	
Eastern Region				
27	220KV D/C CTPS-MTPS Line of DVC LILO at Kalyaneswari	Mar-2011 (Work delayed)	Rly det Awaied	
Western Region				
28	Utran - Kosamba Line-II	Jul-11	W. Rly det Awaied	
29	LILO of Halvad - Morbi Ckt I & II	Mar-2011 (Work delayed)	W. Rly det Awaied	
30	Bhutiya - Kherayu Line	Mar-2011 (Work delayed)	W. Rly det Awaied	
31	LILO of Dhrangadhra - Morbi Line	Mar-2011 (Work delayed)	W. Rly det Awaied	
32	Nakhatrana - Varsana Line	Sep-11	W. Rly det Awaied	
33	LILO of Tarapur - Borivili at Boisar II	Mar-2011 (Work delayed)	W. Rly det Awaied	
34	Boisar (PG) - Wada	Mar-2011 (Work delayed)	W. Rly det Awaied	
35	Jalna - Chikali	Jun-11	W. Rly det Awaied	
Southern Region				
36	Pulivendula - Hindupur	Jun-11	BSNL + S. Rly det Awaied	
* Commissioning date of T/L as per report of CEA and PowerGrid				