

AGENDA of 95th Central PTCC meeting to be held on 6th July, 2012 at Jabalpur

1.0 Confirmation of the Minutes of the 94th Central PTCC meeting held at Madurai on 20.01.2012.

The Minutes of the 94th Central PTCC meeting held at Madurai on 20.01.2012 were circulated by CEA vide letter no. No.LD&T/1/2011-PTCC/ Dated: 21.03.2012. No comments have been received so far. The participants confirmed the minutes of last Central PTCC meeting.

2.0 Follow-up of decisions taken in the last (93rd) Central PTCC meeting.

2.1 Ensuring 'Zero Level' on unguarded power crossings DET PTCC, ND

As per Minutes of 94th Central Level PTCC Meeting held at Madurai on 20.01.2012, the Un-guarded Power Crossing is in higher side in Rajasthan, and UP(East) Circles. The latest position of Unguarded Power Crossing for the month of March.2012 is Annexed herewith for your reference. Necessary serious action must be taken with the concerned SSAs of BSNL and XENs of Power Utility towards ensuring Zero Level unguarded power crossing and no new crossings are to be created in future and Zero Level to be ensured.

DET PTCC, KOL

In ASSAM Telecom Circle, only 07 U/G Power Crossing remains to guarded and in others telecom circles no information received.

DET PTCC, MBI

In Western Region no. of U/G Power Crossings remains to be guarded is NIL. Western Region achieved the target of ZERO level U/G crossings.

DET PTCC, CHI

Two at Karnataka are at Raichur in which one is controversial between Power and Telecom side to be sorted out at SLPTCC Karnataka.

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

As per Minutes of 94th Central Level PTCC Meeting held at Madurai on 20.01.2012, **DET PTCC, ND** has been nominated as Nodal Officer to co-ordinate for supplying the Revised PTCC Manual-2010 to BSNL in India. It is requested to all BNSL Authority to sent their requisition along with DDs(Cost of Manual & Postal charges given below) issued in favour of **Central Electricity Authority, New Delhi(payable at New Delhi)**, to **U/signed** or direct to **Electric Power Information Society (EPIS), Central**

Electricity Authority, Sewa Bhawan, RK Puram, New Delhi-110066 for
obtaining the Revised PTCC Manual-2010.

Details of cost of Manual & Postal charges as under-

Sn.No.	Particulars	Cost
1	Cost of PTCC Manual-2010	Rs.600/-
2	Postal Charges	
	i).. 1 to 5 printed books	Rs.175/-(each book
	ii).. 6 to 20 printed books	Rs.150/-(each book)
	iii).. 21 & above printed books	Rs.125/-(each book)

2.3 Computerization of PTCC Route Approval Process

As per Minutes of 94th Central Level PTCC Meeting held at Madurai on 20.01.2012, a training schedules are going to be organized by CEA New Delhi for oriental and user training for the staff of BSNL, Railway and Power Utilities for marking the legacy data of BSNL, Railway telecom Ckts and different capacity of HT & EHT Power lines on the map of Survey of India to overcome the delay in manual processing of PTCC Cases involving human losses due to electrocution & electrical hazards as well as save the Telecom equipments from induced voltages. It is requested to all BSNL/Power Utilities to nominate the Engineers for above training.

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

As per Minutes of 94th CLPTCC Meeting held on 20.01.2012 at Madurai , a requisition for obtaining of Software may be sent to the Director(PTCC), O/o CEA, 18A, NREB Complex, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi and also the name of nominated Engineers may be sent the CEA ND for taking training for IV Computations , so the pending issues can be solved at the earliest.

**2.5 Arranging State Level PTCC meeting at regular intervals
DET PTCC New Delhi-**

J&K(PDD), HPPTCL(HP), UP(E) BSNL, and DTL/MTNL Delhi are defaulting states for not conducting the SLPTCC meetings at regular intervals.

DET PTCC Kol

No SLPTCC meeting conducted under jurisdiction of Eastern Zone in spite of letter issued by DET PTCC Kolkatta to all Circles for conducting SLPTCC meeting regularly.

DET PTCC MBI-

In Western Region SLPTCC meetings are held regularly.
Seven meetings have been conducted during 01.04.2011 to 31.12.2011.

DET PTCC, CHI

SLPTCC meetings held circle wise from 01/04/2012 to 20/06/12

Name of the Circle	SLPTCC Meeting conducted on	Venue of the meeting	Total no. of meeting
Andhra Pradesh	13-04-2012	HYDERABAD	1
Karanataka	NIL	NIL	NIL
Kerala	24-05-2012	KOZHIKODE	1
Tamilnadu	24-04-2012	CHENNAI	1

For recently conducted Kerala SLPTCC meeting this office has communicated Date, Venue of meeting along with conduct numbers to depute a representative from CEA regarding progress made in collection of Legacy Data. Also this item has been included as agenda points under the head "Discussion on computerization of PTCC Process". But no representative has been deputed from CEA, New Delhi.

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

Level PTCC.

DET PTCC, ND

In spite of several letter issued by DET PTCC New Delhi, no nomination received from discom.

DET PTCC Kol

Only nomination letter from DBC Kolkatta was received. In spite of several letter issued by DET PTCC Kolkatta no nomination received from others discom.

DET PTCC MBI-

All Discom / Distribution companies are attending the SLPTCC meeting regularly in western region.

DET PTCC, CHI

It is the job of Member Power of the respective State to intimate the name of DESCOMS so that this can be approved by Chairman SLPTCC and then forwarding to higher level that is CLPTCC for the confirmation of the nominated membership. Upto date no nomination list has been received so far (or) pending at this office as reported at the CLPTCC meeting at Madurai. Status still continues.

2.9 AGENDA FROM INSPECTION CIRCLE, BSNL

2.9.1 DET PTCC, New Delhi

This agenda item is same as that of 2.16 so it is merged with it.

2.9.2 AP Telecom Circle, BSNL, Hyderabad

Due to falling of 11kV power line on Telecom line(s), some equipment at Dubacherla Telephone Exchange and Pothavaram Telephone Exchange got damaged. A.P. Telecom Circle has asked the power authorities (APPEDCL) to pay

the compensation of ` 2,77,356/- and ` 89,400/- respectively for the damage caused. After discussing the issue, the Central PTCC established that the accident

had occurred since inadequate guarding had been provided at the crossing of power and telecom line. As per the PTCC code of practice it is the responsibility of

the later entrant to provide the guarding. The later entrant could not been fixed so far because the dates of PTCC approval of the 11 kV line and the telecom lines are not traceable.

In the 91st Central PTCC Meeting, a sub-committee was formed by inducting one member each from CEA, BSNL (Inspection Circle), APEPDCL and A.P. Telecom

Circle to look into this incident. The committee could not make much progress in the

absence of terms of reference (TOR) from Central PTCC. While discussing this agenda item during the 93rd Central PTCC meeting following terms of reference (TOR) of the sub-committee were formulated:

1. To check the PTCC route approval of the 11kV power line involved in the accident.
2. To check the PTCC Route Approval of the telecom lines emanating from Dubacherla & Pothavaram telephone exchange that got involved in the accident.
3. In case, no PTCC Route Approval is available then the sub-committee can verify the old records of APSEB/AP Transco 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 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 30.7.2011.

7. A.P.Telecom Circle shall be convener for the sub-committee.

A meeting of the sub-committee was held on 13.10.2010 in the office of CGM, AP Telecom Circle, Hyderabad and the conclusion of the meeting is as follows:

1. *PTCC approval from power authorities could not be submitted in both Dubacherla & Pothavaram cases.*
2. *PTCC approval from the BSNL authorities could not be taken for both the exchanges as it was a overhead line at both the exchange areas.*
3. *There are no records brought by power authorities (APEPDCL) for verification and identification of commissioning of the power line.*
4. *As per BSNL records the telecom overhead lines was existing before 17.04.1992 and 08.06.1992.*
5. *BSNL has submitted all the required documents duly certified by the competent authority. The certified copies of the documents were given to the representative of the power authority and he requested for one month time to authenticate the documents furnished by BSNL and to trace the record in their office. Therefore it was decided that the power authority shall trace their records and furnish certified copies of the same to the sub-committee on or before 30.11.2011. After getting the records from the power authorities the sub-committee will meet again in the month of December 2011 to finalize the case.*

A letter was written by CEA to APEPDCL on 08.12.2011 reminding them to submit

the documents regarding date of existence / date of PTCC route approval of the

kV power lines.

During the discussions Director(PTCC) CEA drew the attention of the committee towards the joint inspection reports prepared by BSNL and APSEB officers immediately after the incident. He requested the sub-committee members to consider the cause of the accident given in the inspection reports made jointly by BSNL & Power utility immediately after the incident, in their next meeting.

The next meeting of the sub-committee is to be convened by AP Telecom Circle, BSNL at the earliest.

No report received from AP Telecom Circle.

2.15 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 program 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.

After brief discussions it was decided that this issue may be discussed in the next meeting with full details.

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

DET PTCC ND

As per minutes of 94th Central PTCC Meeting(Para 2.16(attached), the proposals of PTCC Cases charged by PTCUL, Uttarakhand without PTCC Route Approvals and the proposals of charged PTCC Cases have not been submitted till date for RAC. The charged PTCC Cases may kindly be submitted to this office at the earliest as well as Director(PTCC), O/o CEA ND and concerned Railway Authorities for necessary action please..

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

In the 93rd Central PTCC meeting PTCUL had 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. During the meeting PTCUL representative requested the Central PTCC for one time waiver of PTCC clearance.

After deliberating on the request of PTCUL Central PTCC decided that the precedence of waiving off the PTCC RA should not be created. Therefore PTCUL

was asked to forward PTCC RA proposals for all the 14 power lines that have been charged unilaterally without PTCC RA.

CEA vide letter dated 28.06.2011 requested GM PTCUL to apply for PTCC RA for all the power lines already charged without PTCC RA.

In the absence of any representative from PTCUL, DET(PTCC) NR informed that till

date PTCUL have not forwarded any PTCC RA proposal. CEA agreed to take up the issue once again with PTCUL authorities.

(Action: CEA)

2.19 Agenda from DET(PTCC) Western Region Mumbai.

During the last Central PTCC meeting, DE (PTCC) WR reported about non reference of proposal for 11KV/33kV power line / cable by power authority in Maharashtra state. It is also 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.

During the last meeting the representative from MSPTCL was requested to issue necessary instructions to the distribution companies to seek PTCC RA before charging their EHT power lines.

The representative from MSPTCL informed that all the distribution companies have

been advised to adhere to PTCC norms and guidelines but they have no means to

monitor the implementation of these guidelines.

During deliberation it was suggested that the issue of charging the power lines without PTCC clearance should be brought in the notice of state Regulatory Commission and they should be requested to instruct all the distribution companies

to adhere to PTCC guidelines/norms. CEA may examine the possibility to take up the issue with the State Regulatory Commission requesting them to instruct all the

power distribution companies to adhere to the PTCC guidelines.

DET PTCC MBI This issue regarding submission of proposal for PTCC approval of 11,22,33KV O/H power line as well as U/G cable is being discussed in the every SLPTCC meeting being held in Maharashtra Telecom Circle, In spite of this no cases are being submitted for 11KV power lines as U/G cables for PTCC consideration in MH Telecom circle.

3. New Agenda

3.1. Army Signal (Defense)

1. Use of electric Poles/Pylons – Power transmission agencies to permit use of existing electric poles/pylons to route the Army owned OFC. Fibre presently follows an alignment, which is prone to frequent landslides especially in the Northern and Eastern states. Laying of Army owned OFC on the alignment of the electric poles/pylons would drastically reduce the disruption in communication due to land slides/flash-floods.

Specific areas where this arrangement is required are –

- a) Lohit Velly- Lohitpur to Kibibithu
- b) Delai/Dau Velly- Hayuliang to Chaglohagam
- c) Daporigo to Taksing via Limeking
- d) Yinkiong to Tuting via Migging.

2. Poor Supply in Arunachal Pradesh and Manipur-

Frequent Power failure in region of Arunachal Pradesh and Manipur affect the communication to troops deployed in these regions. The power failure in some of the region extent up to 12 hrs. The Power backup system of BSNL are unable to cope up,

thereby resulting in break down of communication. Adequate power supply need to be ensured in these areas keeping the sensitivity of these border areas in mind.

3.2 DET PTCC ND

Proposals not submitted of SLPTCC & CLPTCC Case

As per Section 160 of Electricity ACT-2003 and Section "A"(Chapter-III) of PTCC Manual- 2010 the proposals of CLPTCC cases not submitted by the State Power Authorities as under:

A. SLPTCC Cases: Proposals of 11/33 KV S/C of Power lines not submitted by the State Power Authorities in Northern Zone for PTCC Route Approvals.

B.CLPTCC Cases: Proposals of 33 KV D/C and above of Power lines not submitted by the Power Authorities (i.e J&K, DTL-ND, UP(East), UP(West),) in Northern Zone for PTCC Route Approvals and Central PTCC Cases charged/commissioned without PTCC Route Approval , **The Electrical Safety Inspector issued Commissioning Certificate without obtaining the PTCC Route Approval.** CEA ND is also issued a letter to all SEBs for taking the PTCC Route Approvals as per **Section 160 of Electricity Act-2003**. But above Power Authorities are not regularized till date.

2.Charged CLPTCC Cases without PTCC Route Approval

As per 94th CLPTCC meeting held at Madurai on 20.01.2012 ,it is decided in the meeting that blanket waiver can not be given for 14 nos of Power lines which are already charged during 2005 to 2007 without taking PTCC Route Approval and PTCUL was asked to forward PTCC Proposals for all such power lines which have been charged unilaterally. But till date, no any proposals of charged power lines have been submitted. CEA ND is also issued a letter vide LD&T/1/2012-PTCC/185 Dated 12.04.2012 in this regards.

3. Function of SLPTCC Unit in Power/BSNL Authorities

The following defaulting States (by the Power/BSNL) are not taking keen interest for conducting the SLPTCC meetings. Several letters/reminders issued in this regards, as under

i).. The BSNL Authority(i.e. Haryana, UP(East), & UP(West) in Northern Zone are not taking keen interest for conducting the SLPTCC Meetings. and declared as defaulty Circle.

ii).. The Power Authority(i.e. PDD-J&K, DTL-ND,) in Northern Zone are not taking keen interest for conducting the SLPTCC Meetings and declared as defaulty Circle.

4.CLPTCC Cases pending with SEB's/CEA for IV

- A. CLPTCC Cases pending with SEB's for IV Computations (List attached)
- B. CLPTCC Cases pending with CEA, ND for IV Computations (List attached)

5.Training for IV Computations Training schedule for IV computations of power lines may be organized by the CEA ND for staff of SEBs/SDE(PTCC), so the pending issues can be solved immediately.

3.3 DET PTCC KOLKATA

1. 12 no. PTCC proposals of AEGCL/APGCL of Assam Telecom Circle and 2 nos. of WBSETCL of West Bengal telecom circle are long pending for telecom survey as the proposers are not initiating to conduct survey though from PTCC and the officer is already to conduct survey.
2. During survey the point raised by CGM Bihar Circle was that since there is no telecom overhead alignment existing and most of the network either in OFC or Micro Wave which are not supposed to be affected due to power induction then requirement of PTCC should be specific . There is nothing except UG cable and cabinet/pillar which are also have very less impact in power induction as these cable are jelly filled on armoured. So requirement of PTCC should be revised with change scenario.

3.4 DET PTCC MUMBAI

Agenda points from DET PTCC Mumbai.

24 PTCC cases are pending with CEA for induced voltage calculation. The telecom detail for theses cases have already submitted to CEA. Some cases are pending since 2007.

Sr. No	Name of the power line	Our file No.	Telecom detail sent on	Pending for
1	220KV D/C Lamboti (Solapur) – Tuljapur	MRA- 1782	23.11.2009	IV from CEA office.
2	220KV D/C LILO line for Co-generation plant at M/s Baramati Agro, Shetphal from Baramati – Bhigwan line	MRA- 1817	03.11.2009	IV from CEA office
3	220KV D/C LILO line on Kandalgaon - Kharghar line for M/s Top Worth at Khalapur	MRA-1897	31.08.10	IV from CEA office.
4	220KV D/C Bina – Shivpuri	MP-141	27.08.2009	IV detail for WCR circuits from CEA office.

5	220KV D/C Chhindwara – Betul	MP-258	08.03.2007	IV from CEA office.
6	765KV S/C Ranchi- WR Pooling station (Sipat) trans. Line Ckt.No.1	CG-35	26.05.10	IV from CEA office.
7	220KV D/C CSPTCL Raigarh -400KV PGCIL s/s at Raigarh	CG-41	21.07.10	IV from CEA office.
8	220KV D/C Jindal Power Plant Tamner- CSPTCL Raigarh	CG-42	21.07.10	IV from CEA office.
9	Kansari- Thavar line	GUJ-1556	08.05.09	IV from CEA office
10	220KV D/C Nanikhakher-Shindhoi	GUJ -1577	18.10.08	IV from CEA office
11	220KV S/C Nanikhakher-Coastal Guj	GUJ- 1663	08.05.09	IV from CEA office
12	220KV D/C lilo to Mota from Vav –Ukai line	GUJ -1619	16.06.08	IV from CEA office.
13	220KV D/C Bhilad PGCIL-(Ambheti)	GUJ- 1626	06.09.08	IV from CEA office.
14	220KV D/C Shivilakha windfarm of vestas wind India pvt ltd	GUJ -1634	18.10.08	IV from CEA office.
15	220KV D/C LILO Vapi -Bhilad at 400KV Ambheti PGCIL	GUJ- 1638	18.10.08	IV from CEA office.
16	220 KV Mobha-Mangrol	GUJ- 1692	03.10.09	IV from CEA office.
17	220 KV LILO at Kangasiyali	GUJ -1698	26.06.09	IV from CEA office.
18	220 KV Varasana s/s –Morbi s/s	GUJ-1708	26.06.09	IV from CEA office.
19	220 KV Kheralu-Bhutiya line	GUJ- 1725	22.07.09	IV from CEA office.
20	400 KV Vadinari-Hadala	GUJ - 1703	06.01.10	NOC from WR
21	400 KV Varsana-Hadala line	GUJ- 1762	10.03.10	NOC from WR
22	400 KV Varsana - Hadala line	GUJ - 1762	10.03.10	NOC from WR
23	400 KV D/C Mundra- Jetpur line	GUJ- 1770	08.01.10	NOC from WR
24	Vapi - Navi Mumbai	GUJ- 1773	13.06.10	WR& IV from CEA

3.5 DET PTCC CHENNAI

1. In the new Manual 2010 Edition Appendix XV to Chapter 1, Membership of SLPTCC has been reconstituted vide letter no. PEC/1/2001 PTCC/334/66 dated 20.3.2011.

Wherein it is stated that EE of power utility is one of the coordinating secretary of SLPTCC. Hence the work of SDE,PTCC Inspection Circle may be reallocated to EE of Power Utility in case of both are functioning.

2. It is observed that PGCIL is not participating in any of the SLPTCC meeting to sort out the issues pertaining to them regarding telecom details, EPR and Railway NOC of their pending cases , in the absence of membership with respect to SLPTCC. Dual membership may be considered for them for both the SLPTCC and CLPTCC.

3.6 Inspection Circle-

It has been commonly observed that most of the PTCC cases are pending with Power utilities and Railway telecom beyond specified time limits. These long pendency due to-

- a) Incomplete information received from Power utilities and IV calculation.
- b) Railway telecom details/NOC.

3.7 Agenda items from CEA.

It has been commonly observed while processing the power line proposals that almost all the telecom cables marked on the maps are not having PTCC route approval (RA). As per the PTCC code of manual, every telecommunication cable should have been accorded PTCC route approval prior to its charging. Putting these cables into operation, without route approval, poses continuous danger to the precious human life and equipment.

PTCC may be failing in its duty, if human lives and equipments are not protected. Marking of such cables having no PTCC RA is violation of PTCC code of practice. These violations may bring in complication in case of occurrence of any accident and consequently claim of damage/compensation etc.

Therefore, it is proposed that a one time opportunity may be given to BSNL and Railways to take the route approval for all the cables/circuits having metal including underground cables (Railways have already initiated action).

As CEA is implementing the project "Computerization of PTCC Process", the proposal/data received from BSNL & Railways would be configured in the system for their protection from the power transmission lines. The entire data of communication circuits including underground cable involving metal shall be vectorized in GIS environment. This data shall be retrieved and used for induced voltage (IV) calculations while processing proposal for PTCC route approval submitted by power utilities. Since data submitted by BSNL shall become a permanent record in the repository of CEA, **it is proposed that all the proposals/data of the existing communication networks received from CGM, BSNL of all the telecom circles and GM(S&T)/CSTE of Railways of all zones shall be treated as regularized and approved by the CPTCC for 220 kV & above.**

It is now in the interest of BSNL and Railways to avail this opportunity and get all the data computerized so that protection of all the existing networks of BSNL & Railways are ensured.

For this purpose, RA application (as per the PTCC manual) having data/information like details of type of cables/lines, route, location of exchange and other details of circuits emanating from exchange is required to be submitted. A list of the data/information needed to be furnished is enclosed for ready reference at annexure. The details of data for Railways have already been sent.

In this regard, Chairperson, CEA has written to Member (Electrical) Railway Board and subsequently Director (Tele), Railway Board have already taken action in the matter and issued instruction to GM(S&T)/CSTE of all the zones for furnishing legacy data to CEA.

Chairperson, CEA and Member (GO&D), CEA have written to CMD, BSNL in this regard. Chief General Manager, Inspection Circle, BSNL is to initiate suitable action and arrange for submission of data on priority so as to complete in two months time.

3.7 NORTHER REGION -I, POWERGRID, New Delhi

PTCC Proposals of all the following transmission lines under POWERGRID, NR-I have already been submitted but clearance is pending till date:

PRIORITY LEVEL-I (Likely to be commissioned by May'12):

- 1) LILO of Bareilly-Mandola 400 KV D/C Line at Meerut
- 2) 765 KV S/C Fatehpur-Agra T/L Pkg-A7
- 3) LILO of both ckts of 400 KV D/C Line (Quad) Mundka-Bawana/Bamnauli at Jhatikara
- 4) LILO of both ckts of 400 KV D/C Ballia- Lucknow at Sohawal
- 5) LILO of both ckts of 400 KV D/C Agra-Jaipur T/L at Jaipur-South
- 6) 765 KV S/C Agra-Meerut Pkg-A5
- 7) 765 KV S/C Agra-Meerut Pkg-A6
- 8) 765 KV S/C Agra-Mundka Pkg-A1
- 9) 765 KV S/C Agra-Mundka Pkg-A2

PRIORITY LEVEL-II (Likely to be commissioned by Aug'12):

- 1) 400 KV D/C Dehradun-Baghpat T/L Pkg-A3
- 2) 400 KV D/C Dehradun-Baghpat T/L Pkg-A4
- 3) LILO of Meerut-Kaithal 400 KV D/C (Quad HSIL) Line at Baghpat- Pkg A8
- 4) LILO of both ckts of 400 KV D/C (Quad) Dehradun-Baghpat at Saharanpur
- 5) 765 KV S/C Sasaram-Fatehpur T/L Pkg-G1
- 6) 765 KV S/C Sasaram-Fatehpur T/L Pkg-G2

PRIORITY LEVEL-III :

- 1) Gorakhpur-Gomti river(Haidargarh) line(190.5 KM) Pkg-A7
- 2) Gomti river-Nidhaura Line(193 KM) Pkg-A8
- 3) Nidhaura Vill.-Agra HVDC Line(190 KM) Pkg – A9

The PTCC Clearances for the list of lines mentioned in Priority level-I should be provided at the earliest as these lines are targeted to be commissioned by May'12.

3.8 PGCIL, WR-II, Vadodara

(A) 400kV D/C Mundra - Jetpur Tr. Line

PTCC case submitted on 03.07.2009

(Commissioning by July-2012)

(DET PTCC Case File no. GUJ-619, CEA File Case No. GUJ-616 & Western Rly. File Case no. 1079)

IV Calculations forwarded by CEA-N.Delhi to DET-PTCC & W.Rly. on 30/11/2011. Western Railway-Mumbai vide letter dt. 26/12/2011 has asked POWERGRID to deposit Rs.5000/= for re-engineering works. POWERGRID vide letter ref no 5285, dt. 13/01/2012 has deposited the money to W-Rly.-A'bad. Vide letter dt. 12/01/12, 27/01/12 & subsequently vide letter ref. No. 5652 dt. 05/05/12, request was made to W-Rly.-Mumbai for issuing conditional NOC, pending re-engineering works by Western Railway-Rajkot Division.

Due to non-availability of conditional NOC from Western Railway-Mumbai, DET-PTCC has not able to issue PTCC Route approval.

Western Railway-Mumbai is once again requested towards issuance of conditional NOC by 30th June-2012 such that PTCC route approval can be made available to POWERGRID from DET-PTCC, as CEA inspection of the line is expected by first week of July-2012.

(B) 400kV D/C (QUAD) VINDHYACHAL – VINDHYACHAL POOLING STATION TR. LINE (BYPASSING VINDHYACHAL POOLING STATION & INTERCONNECTION WITH SASAN TR. LINE) UNDER INTERIM CONTINGENCY ARRANGEMENT

PTCC case submitted on 30.11.2011**(Commissioning by August-2012)**

(DET PTCC Case File no. MP-329)

DET-PTCC vide letter dt. 24/01/2012 has forwarded the BSNL marked details to Director PTCC – CEA- New Delhi. EPR Zone Details forwarded to DET(PTCC) on Dtd.03.12.2011. WCR-Jabalpur requested for sending Railway telecom details to Director-PTCC-CEA-New Delhi vide letter dt. 20/12/2011 & again vide letter dt. 03/01/12, as there is no railway infrastructure within 8 km. boundary.

Due to non-availability of NOC from West Central Railway-Jabalpur, Director-PTCC has not able to issue I.V. details. PTCC Route approval is pending for want of above inputs.

West Central Railway-Jabalpur is once again requested towards issuance of NOC by 20th June-2012 such that Director-PTCC can issue the letter to DET-PTCC for enable them to issue PTCC route approval by July First week of 2012.

(C) 400kV D/C Navsari - Boisar and interconnection with Vapi SS (as an interim arrangement) Tr. Line :-

PTCC case submitted on 03.05.2012 **(Commissioning by Sep-2012)**
(DET PTCC Case File no. GUJ-6)

The case was submitted on 3rd may 2012. DET-PTCC-Mumbai vide letter dt. 04/06/12 has forwarded the BSNL Telecom details to CEA-New Delhi.

Western Railway-Mumbai is requested towards sending the Railway telecom details. It may be mentioned that the earlier case of Gandhar-Navsari & LILO of Kawas-Navsari tr. Line Railway telecom details is same for Navsari – Boisar line near Navsari SS and marking of Railway telecom details were made available in the office of Western Railway-Mumbai.

Western Railway-Mumbai is requested for forwarding the railway telecom details to Director-PTCC-CEA-New Delhi in order to enable to work out the IV calculation details, as the line interim contingency arrangement with VAPI SS is to be commissioned by September-2012.

(D) Conditional NOC issued from Western Railway-Mumbai for 400kV D/C Mundra – Limbdi tr. Line & 400kV D/C Bachchau – Vadavi tr. Line citing the reason that Induced Voltage was more than 110Volts.

In this context, during the last 94th Central PTCC Meeting, it was concluded that induced voltage up to 430V is safe for human working on overhead railway telecom circuits.

However, Western Railway-Mumbai has intimated that they have to get letter from Railway Board, New Delhi for the above guidelines.

In view of above, Central PTCC may please issue letter to Railway Board for enable to issue NOC by Western Railway-Mumbai for above two lines based on the recommendations.

3.9 MP PTCL JABALPUR

1) Railway's zone map:

Railway Zone wise maps indicating existing & proposed railway route including railway stations along the track may help us to decide railway office to be referred for submission of new PTCC route cases. SECR, WR and WCR have provided the railway zone map whereas railway zone map from remaining railway zones are yet to be received. It is noticed that the

railway maps are not to the scale and is difficult to correlate with topo-sheets.

2) Marking of Railway Station on route map (topo-sheets):

Railway authorities always insist for marking of each & every railway stations whether coming under vicinity or beyond vicinity of the power line. As mentioned in the earlier point that the available topo-sheets of Survey of India are of old editions, therefore, marking of railway track and stations constructed after publication of the topo-sheets, may not be available on topo-sheets. Even due to restructuring, railway zones, name of railways, railway section etc. marked on topo-sheet does not match with the railway map provided by railway /available on net.

However, efforts (including referring railway maps available on internet) have been made for marking of all railway stations along the track on route map (based on topo-sheet of Survey of India) and railway is being requested to verify the location at their end also to avoid human errors. The railway authorities however sometimes do not accept the rout map. In this way un-necessary correspondences have been increased which is not favorable any way. **We hope that an appropriate guideline shall be issued by the Central PTCC to establish a procedure.**

3) Representation of Railways in State Level PTCC meetings :

It is known to all that Madhya Pradesh is covered by five Railway zones namely North Central Railway, West Central Railway, West Railway, Central Railway and South East Central Railway. It is noticed that representative from WCR & SECR generally available in the State Level PTCC meetings whereas representatives from other Railways are not imparting in the SLPTCC meeting since long time, due to which pending issues related with **CR, WR & NCR** could not be resolved in SLPTCC and hence are resulting as increase in number of pending cases. This matter was brought into notice vide agenda item no. 4.1 of **94th Central PTCC held on 20.1.12 at Madurai** in which Director (Telecom), Railway Board, New Delhi has assured that necessary instructions shall be issued to all the railway zones for attending all the state level PTCC meetings.

However no representative from **CR, WR & NCR** has attended 3rd SL PTCC meeting held on 16th Feb. 2012 at Bhopal. **Therefore central PTCC is requested to intervene in the matter and to issue appropriate instructions to all concerns to take part in every SLPTCC meetings in future.**

4)I.V. on railway telecom circuits due to railway electrification under ground fault condition:

All telecom circuits of railways lie in parallel to the power lines for railway electrification and these may have within minimum safe separation. The railways might have studied induced voltage on telecom circuits due to ground fault condition of power line. The information of I.V. on telecom circuits due to railways power line may help power utilities for finalizing maximum permissible I.V. limit on that particular telecom circuit.

Since the matter is concerned with Railway's power lines hence it needs to be clarified whether the Electricity Act 2003 shall also be applicable on Railways or not. If applicable then the Electrical Inspector General (EIG) of the concerned railways may also be informed by CPTCC for considering the PTCC route approval as a mandatory requirement for charging of the power line. Further, the details of the EPR and IV on Railway telecom circuits due to Railway power line along with the protection adopted may also be furnished by the Railway to all concerned.

5)PTCC route approval cases for new railway telecom circuits:

Railways have to process the PTCC route cases of proposed/new telecom circuits for approval as per the guidelines mentioned in PTCC manual. New railway tracks like Indore-Dahod, Chhatarpur-Khujaraho-Mahoba, Gondiya-Balaghat-Tumsar/Jabalpur etc. are being constructed by railways and telecom circuit. Circuits are being laid along the track. Some of these have been completed and are being used by railways. The railways have yet to process case for PTCC route approval for such new tracks.

6) PTCC ROUTE APPROVAL FOR 400KV & 220 KV LINES:

Details of pending cases is enclosed.

1) PTCC ROUTE APPROVAL FOR 132 KV LINES (PENDING CASES ONLY):

These cases are to be discussed in SLPTCC Meetings.

4.0 Any fresh agenda item with the permission of the chair.