

AGENDA FOR THE 107th CENTRAL PTCC MEETING

Date: 14th December 2018 (Friday)

Venue: Conference Hall, First Floor,
O/o Chief General Manager, BSNL
Telangana Circle, Door Sanchar Bhawan,
Abids, Hyderabad

Time: 10:30 Hrs.

A. CONFIRMATION OF MINUTES OF THE LAST MEETING

The Minutes of the 106th Central PTCC meeting held on 25/5/18 at Mahabaleshwar were prepared and circulated by CEA. The same were also uploaded in the website <http://www.cea.nic.in>.

Members may like to confirm the minutes.

B. FOLLOW UP ACTIONS OF DECISIONS TAKEN IN THE LAST MEETING

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

<p>All DETs (PTCC) BSNL informed that there were no unguarded power crossings in their respective zones. In the last meeting it was suggested that DETs during SLPTCC meetings might also go for random site visit to check this aspect. In this regard DETs expressed that site visits could not be conducted due to logistic issues. It was decided that DETs would write letters to seek complete data of line crossings from the power utilities. For random site visits. Power Utilities were requested to provide logistic support.</p>	<p>At present, overhead telephone lines do not exist. BSNL is using Underground cables for local & long distance telecommunications. However BSNL is using Aerial OF Cables(Over head) in some area but it is non-metallic.</p> <p>Keeping in view, in present scenario this point is not required more.</p> <p>Hence item may be discontinued.</p>
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B.2 Computerization of PTCC Route Approval Process

<p>Regarding use of existing ONLINE PTCC portal power utilities expressed difficulties. Many utilities informed that they were not able to login at the portal. Sri. K. Raji Reddy BSNL Hyderabad involved in the digitization of PTCC process informed that the present arrangement for the portal involves using a 2 GB RAM computer. This configuration is insufficient if multiple users try to log in the portal at the same time and hence results in hanging of the PC cum Server. He stated that the new Server would solve the issue. Chief Engineer CEA suggested to arrange a better configured PC to handle the load of Portal as an interim arrangement till new Server in put in place.</p>	<p>As an interim arrangement, the present PC has been configured with a better configuration of 8 GB RAM and 250 GB SSD.</p>
<p>KPTCL representative suggested to send notifications to two mobile numbers instead of one number at present. BSNL assured that they would try to incorporate two mobile numbers. Regarding KPTCL's suggestion of sending e-mail</p>	<p>New server procurement is under process through GeM. Purchase order has been issued on dt 05/11/2018 .</p> <p>Vender has supplied servers at Bangalore office on dt 30/11/2018 and Installation is</p>

notification BSNL informed that this aspect would be taken care when new Server is installed.	under progress and will be completed soon.
CGM BSNL expressed that some problems are being faced in the portal like processing speed limitation of uploading of certain documents like TOPO map etc. due to capacity constraints of the existing Server. The same would be taken care in the Version-2 of the software. For this the procurement of high end Server was pending. He informed that procurement of the Server was processed two times through the GeM (Government E-Marketplace) portal but as the bids received were not meeting the technical specification requirement and those meeting quoted very high rates as compared to the estimated cost these bids were rejected. Again the procurement will be processed in this financial year through the GeM Portal and all-out effort will be made to procure and make the server functional before the next CLPTCC meeting.	
Chief Engineer CEA suggested that the feedback received from TSTRANSCO as enclosed in the agenda may be considered by the Sub-Committee formed by BSNL. The Sub-Committee has members from CEA BSNL Railways Defense and Power Utilities.	Sub-committee is already formed with members from BSNL, CEA, PGCIL and some SEBs. . Feedback received from TSTRANSCO will be considered as and when the sub committee meets and work of 2nd version taken after procurement of new server.

B.3 SLPTCC meetings

During discussion in the last meeting it was decided that in every State Level PTCC meeting the concerned State would furnish status of power lines already charged as well as power lines under construction along with their PTCC Route approval status. This shall be a permanent agenda.	ALL DE PTCC BSNL : It is permanent agenda in every SLPTCC meeting as per format (enclosed as Annexure-I). So far it has not been followed by most of power authorities except West Bengal, Bihar & Assam in eastern zone and only Uttrakhand in NortheRn region.
CGM BSNL stated that SLPTCC is the important forum where the issues related to resolution of various local issues like pending telecom details IV Calculation etc. should be addressed and sorted out for early issue of RAC. He said that SLPTCC meetings are not being conducted regularly at many places as per schedule resulting in pendency of cases. The same needs to be expedited and resolved by conducting the SLPTCCs in a regular way.	ALL DE PTCC BSNL :SLPTCC meeting is being conducted regularly in this financial year. 24 SLPTCC meetings have been conducted since 01.04.18 to till date. Details of SLPTCC meetings conducted/ Proposed in all zone during this financial year is enclosed as Annexure-II
OPTCL has informed that PTCC proposals have been sent for post facto approval. BSNL informed that marking of the telecom details was in progress.	DE EZ Kolkata:- Regarding post facto approval for PTCC clearance, OPTCL has already applied for the same power lines which were energized earlier before PTCC clearance and most of telecom surveys are completed in Orissa telecom Circle.

B.4 Nomination of members from DISCOMs for SLPTCC meetings

<p>DET(PTCC) Kolkata informed that Assam & West Bengal has not sent their nominations. PGM Kolkata BSNL informed that letters were written but still the response is awaited. Chief Engineer CEA has suggested to write letters to higher ups in the department and still if there is no response BSNL can inform to CEA so that CEA can take up the matter.</p>	<p>DE EZ Kolkata: Regarding DISCOM members, nominations from West Bengal has received, but not yet received from APDCL Assam now. Matter was also discussed during SLPTCC meeting of Assam, but no nomination received so far..</p>
<p>DET(PTCC) Delhi informed that meetings were not convening in Punjab and UP. Punjab representative promised to conduct the meetings regularly. The forum expressed that if the SLPTCC meetings are not conducted regularly then CLPTCC will be overloaded. Chief Engineer CEA suggested that roasters for SLPTCC meetings may be prepared and circulated in advance for regular conducting of the SLPTCC meetings.</p>	<p>DE PTCC DELHI :- PSTCL, Punjab has conducted SLPTCC meeting on 15.11.18 at Patiala, while SLPTCC meeting of UP(E) circle, has been conducted on 24.10.18 at Lucknow by BSNL.</p> <p>This Para may be closed.</p>

(Action: BSNL)

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

(i) Charging of transmission lines without PTCC Route Approval

<p>PTCUL has informed that IV calculations were done for 12 nos. cases and have forwarded the details to BSNL. BSNL confirmed the same and informed that the cases are being processed for issuing RAC.</p>	<p>DE PTCC DELHI :- Out of 12 no case of PTCUL-RAC already has been issued for 2 cases, IV calculation has been received (up to 132KV) for 7 cases, but proposal are incomplete as NOC from Defence & Railways are not enclosed. Informed to PTCUL and they are pursuing for NoC from Defence & Railways and IV calculation (Above 132KV) are awaited from CEA for 3 cases.</p>
<p>Chief Engineer CEA informed that PTCUL representatives visited CEA for IV computation training and he offered that if any Power utility has any issue in computation of Induced voltages they can request CEA for training with advance notice. He assured that CEA would help in all possible way.</p>	

(Action: BSNL)

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

<p>DET PTCC BSNL Northern Region informed that Himachal Pradesh has not been sending PTCC cases from quite some time. Chief Engineer CEA asked BSNL to inform CEA the date from when Himachal Pradesh has stopped applying so that the matter could be taken up with higher ups. He also suggested all DETs to inform about the states which have stopped sending PTCC cases</p>	<p>BSNL :- PTCC proposals have not been submitted by Power Transmission company of Himachal Pradesh State, since 25/11/2016 and Bihar state power transmission company limited (Bihar State Electricity) ,APDCL(Assam power development corporation Ltd), Haryana, and J&K state electricity board ,since the last 4 years. Rest SEBs are sending PTCC Cases.</p>
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(Action: BSNL)

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

<p>Defense representative informed that seven zones have been identified. Each zone will have a nodal officer. He also informed that Defence has undertaken a project of "Network for Spectrum" being implemented by BSNL. This project would realign the existing communication system in Defence sector. Once this project is completed Nodal officer will have</p>	<p>BSNL :- No information about Nodal Officers from Defence has been received so far.</p>
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<p>the data of communication system in their respective zone. He assured that once this project is completed then PTCC cases would be disposed of at nodal level without being requires to go to ground level for marking of Defence telecom details. He informed that delay in reply from Defence is attributed to frequent movement of personnel. Once the realignment project is completed then this issue would be solved as Nodal officers would have all the information regarding the communication systems.</p>	<p>CEA : followed up with Defense. Defense has replied vide letter dated 14/8/18 (a copy enclosed at Annexure-III).</p> <p>Defense may furnish latest status.</p>
<p>Power utilities have expressed difficulty in contacting Defence department regarding PTCC cases. Defense representative informed that email id and official phone no. of the nodal officer would be given to all for contacting after formation of zones. He assured that in a months' time information on Zones would be furnished</p>	<p>(Action: Defense)</p>

B.7 Improper Submission of BSNL Details.

<p>CEA pointed out that telecom details received from DET North Zone are not in the prescribed format. DET North Zone simply forwards the details received from concerned field officers. CGM BSNL instructed DET North Zone to furnish BSNL Telecom details to CEA in a proper manner as being done by DET South Zone.</p>	<p>DE NZ Delhi :-Meeting was held with Chief Engineer (PCD) O/o CEA Delhi and proper guidelines received. Now the proposals are being submitted in proper manner as per guidelines provided.</p> <p>ITEM MAY BE CLOSED.</p> <p>(Action: DET NZ BSNL)</p>
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B.8 Scrutiny report issued by CEA

<p>CEA is issuing scrutiny report of PTCC proposal received from power utilities and it was observed that the response to CEA scrutiny report was not encouraging. It was informed that if Power Utilities reply the queries raised by CEA in scrutiny report urgently then the delay in processing PTCC cases can be avoided.</p>	<p>(Action: Power Utilities)</p> <p>Members may deliberate.</p>
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B.9 Pending PTCC proposals

<p>DET Mumbai told that the Topo sheets submitted by some constituents are not proper and they are not attending SLPTCC meeting also. Therefore interaction with such power utilities was required. In the meeting it was decided that the deficiencies of the proposal would be reported to Chief Engineer of the concerned utility with a copy to CMD.</p>	<p>MSETCL agreed to submit revised/new Top sheets map of case no RAC-2356, RAC-2351 and RAC-2373. But till 19-11-2018 MSETCL not submitted the revised topomap sheets of above mentioned RAC cases.</p>
<p>DET WZ BSNL expressed difficulty in getting telecom details marked from their field units. To expedite this it was decided for all DETs that in case telecom marking by field unit is not done in one months' time then they would inform the concerned GM BSNL regarding pending Telecom details marking. The concerned GM BSNL would pursue the matter with</p>	<p>The details of PTCC cases in South Zone for which BSNL TD is pending , is being sent every month by DGM A/T, Chennai to the concerned territorial Circles (Chairman SLPTCC) for follow up .</p>

<p>the field units to expedite TD markings. After one month in case the TD marking is not done then the concerned GM BSNL would take up the matter with CGM Inspection Circle Jabalpur. The above decision is subject to the cooperation from the Power Utility. A gist of such cases would be prepared by each DET and submit the report to subsequent CLPTCC.</p>	
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(Action: BSNL)

B.10 PTCC approval of HVDC Earth Electrode

<p>Based on the decisions taken in 104th CLPTCC meeting a Sub-Committee comprising members from BSNL CEA and PGCIL under the chairmanship of PGM BSNL EZ was formed. The Sub-Committee held its first meeting on 13/04/2018 . It was decided that PGCIL would submit the PTCC proposal of 33 KM long transmission line constructed from Alipurduar HVDC station to the Earth Electrode station at Mathabhanga. CEA would compute induced voltage and inform that outcome in the next CLPTCC meeting.</p>	<p>DE EZ Kolkata :-The telecom survey of 132 KV Earth Electrode line at Alipurduar HVDC S/S in West Bengal was completed and sent to CEA New Delhi on 28.07.18 for IV calculation, as per the decision taken in 106th CLPTCC meeting.</p>
<p>PGCIL SR-I raised his agenda of HVDC line. During discussions it was decided that the Sub-Committee would also look into the agenda of PGCIL SR-I. It was decided to include one representative each from CPRI/PRDC and PGCIL SR- I.</p>	<p>To decide the PGCIL, SRTS-I matter, one representative each from CPRI/PRDC, and PGCIL SRTS-I have been included in the existing subcommittee by the CGM, QA&Insp. Circle, Jabalpur. The Sub-Committee held its 2nd meeting on 25/10/2018. Matters discussed and minutes have been issued vide Annexure-IV</p>

(Action: PGM EZ BSNL)

B.11 Charging of 33kV Power line from Pulwai to PDCIL Gadwal Mahboobnagar Telangana

<p>M/s Solar Arise Mumbai erected and energized 33kV transmission line from Pulwai to PDCIL Gadwal Mahboobnagar Telangana State without PTCC clearance. The line was opened on 04/08/2017 on the order issued by District Collector of the district of Jogulamba (Gadwal) due to damage in nearby BSNL Telecom Exchange. Later on PTCC proposal was submitted by M/s Solar Arise and Induced voltage calculations were done by Southern Power Distribution Company of TS Limited and DET Chennai has issued Route Approval Certificate on 07/12/2017.</p>	<p>The 2nd sub committee meeting was held on 03-08-2018 and the minutes of the meeting was sent to all members for signature , by e-mail on 17.08.2018(Annexure-V).</p> <p>M/s Talettutayi Solar Projects Pvt. Ltd., owner of generation project has sent its comments vide letter dated 20/8/18 v (a copy enclosed at Annexure-VI).</p>
<p>In the last meeting a Sub-Committee comprising CEA BSNL TS SPDCL and M/s Solar Arise was formed to ascertain the damage to Gadwal TE due to charging of the Power line. In the first meeting of the Sub-Committee TSSPDCL explained that many defects were noticed during a joint inspection of the 33kV line like defective insulators improper earthing improper laying of UG cables improper clearances etc. It was also informed by TSSPDCL that a meeting was conducted in the chambers of the District Collector Jogulamba Gadwal on 16/12/2017 with BSNL officials TSSPDCL officials and M/s Solar Arise officials and discussed in detail about</p>	<p>Further action to be taken by CLPTTC.</p>

<p>PTCC approval induction effect to BSNL equipment. The District Collector Jogulamba Gadwal has instructed BSNL officials and M/s Solar Arise officials to coordinate check earth pits complete the work by 17/12/2017. District Collector Jogulamba Gadwal has instructed to charge the line. Accordingly the SE/OMC/TS Transco/Mahboobnagar charged the line on 25/12/2017 at 13:37 Hrs.</p>	
<p>In the CLPTCC meeting it was decided that the DET (PTCC) BSNL Chennai would replace Sh. S. Balakrishnan SDE PTCC Chennai as convener of the Sub-Committee.</p>	<p>Smt.Chitra Suresh DET (PTCC) BSNL Chennai has attended the Sub-Committee meeting, in place of Sh. S. Balakrishnan. THIS PARA MAY BE CLOSED.</p>

(Action: CEA)

B.12 Whether PTCC approval is needed for power Cables.

<p>Regarding requirement of PTCC approval for Power Cables CE CEA informed about legal provisions. In the CEA Standards on Measures relating to Safety and Electric supply regulations the relevant clause is as under</p>	<p>CEA :1st meeting of the Sub-Committee was held on 12/11/18 at New Delhi. A copy of the gist of discussions is enclosed at Annexure-VII.</p>
<p><u>Regulations-77:</u> “The owner of every overhead power line of voltage level 11kV or higher shall submit proposal for obtaining Power and Telecommunication Co-ordination Committee clearance to ensure safety of the personnel and telecom equipment.”</p>	
<p><u>Regulations-76</u> (1) No underground power cable of voltage exceeding 33kV shall be laid without a minimum underground depth of 1.2 meters. (2) No underground telecommunication cable shall be laid without a minimum separation distance of .6 meters to the underground power cable of voltage exceeding 33kV.</p>	
<p>So in CEA’s Safety Regulations PTCC requirement is only for overhead lines. In CEA regulations for Technical Standards for construction of Electrical plants and Electric Lines Regulations 2010 the Section 88(5) is: “The owner shall arrange all required consents and approvals including those from Power and Telecommunication Co-ordination Committee(PTCC) and for civil aviation road river canal or power line crossings way leaves and environmental & forest clearances etc. from the concerned authorities/agencies.”</p>	
<p>At page-172 of PTCC Manual the relevant extract is given below: “Power cable should have the shortest length of parallelism with BSNL cables. When high voltage cables 11 kV and above has a parallelism exceeding 0.8 Km with BSNL cable should be marked in the topo map for suitable recommendation which implies power cables of length less than 0.8 Km need not be marked in the topo map. Hence for many power proposals of length less than 0.8 Km Telecom details need not be called for which considerably eases the work of both BSNL and EB authorities.” At page-170 - 171 guidelines for laying UG power cables is mentioned. It is also mentioned that BIS did not accept inclusion of PTCC Guidelines in their existing specifications of BIS. It is observed that in the guidelines PTCC requirement is not indicated and instead only required clearances are given. In view of lack of clarity on the issue of requirement of PTCC approval for U/G power cables it was decided that a Sub-Committee comprising representatives from CEA BSNL Power utilities Manufacturers of cables and Discoms will be constituted to study the case further and report to CLPTCC.</p>	

(Action: CEA)

B13. Madhya Pradesh Power Transmission Company limited (MPPTCL)

MPPTCL’s agenda was about pending PTCC cases. Out of 18 cases, RAC has been issued for

4 cases as per **Annexure-VIII** and 14 cases are remaining. These remaining 14 cases has incorporated by MPPTCL in new agenda , of total 29 cases for 107th CLPTCC meeting.

B.14 Kerala State Electricity Board Limited (KSEBL)

KSEB's agenda was about pending 3 PTCC cases. These 3 cases has incorporated by KSEBL in new agenda , of total 7 cases for 107th CLPTCC meeting. Annexure-XXXIII

B.15 Damodar Valley Corporation (DVC)

RAC has issued for both cases as per **Annexure-IX** .

B.16 APTRANSCO (Transmission Corporation of Andhra Pradesh Limited)

APTRANSCO's agenda was about pending PTCC case (Only one case). The status at O/o DE PTCC Chennai is enclosed at **Annexure -X**.

B.17 Chhattisgarh State Power Transmission Company limited (CSPTCL)

CSPTCL's agenda was about pending PTCC cases. The status is enclosed at **Annexure-XI**.

B.18 Rajasthan Rajya Vidyut Prasaran Nigam limited (RRVPL)

RAC has issued for all 6 cases as per **Annexure-XII** .

B.19 Punjab State Transmissions Corporation limited (PSTCL)

Out of 12 cases, RAC issued for 8 cases, 3 cases are pending due to Defence & Railway NoC, BSNL TD for 1 case has send to CEA New Delhi, as per **Annexure- XIII**.

B.20 PGCIL SRTS-II

PGCIL SRTS-II agenda was about pending PTCC cases. The status at O/o DE PTCC Chennai is enclosed at **Annexure-XIV**.

B.21 PGCIL SRTS-I

PGCIL,SRTS-I raised his agenda of HVDC line i.e + 800KV Raigarh-Pungaur HVDC Transmission line under Bipole link between western region to southern region ,scheme-I. PGCIL,SRTS-I is seeking exemption from PTCC approval for said HVDC Transmission line .

Already covered in B-10 hence it may be removed from here.

B.22. PGCIL WRTS-II

PGCIL WRTS-II agenda was about pending PTCC cases. The status is enclosed at **Annexure-XV**.

B.23 Telangana –Transco: Feedback on PTCC computerization

Already covered in B-2 hence it may be removed from here.

B.24 GETCO

GETCO's agenda was about pending PTCC cases. Out of 62 cases, RAC has been issued for 15 cases as per **Annexure-XVI** and 47 cases are remaining. These remaining 47 cases have been incorporated by GETCO in new agenda of 62 cases for 107th CLPTCC meeting. ANNEXURE-XXX

B.25 Agenda from Delhi Transco Ltd.

Already covered in C-1 hence it may be removed from here.

B.26 Agenda raised with permission of Chair

As per PTCC Manual when the induced voltage is between 430 V and 650 V the protection cost is borne by BSNL. When the induced voltage is more than 650 V the protection cost is borne by the lateral entrant. The charging permission is given by BSNL after protection work is completed. KPTCL informed that there have been cases more than 4 years old where BSNL was to bear the protection cost but till date charging permission is not given. Similarly there have been cases when Power Utility has deposited money demanded by BSNL for protection when voltage exceeded 650 V but still charging permission from BSNL remains pending.

After detailed discussions following was decided:

Case-I (Induced voltage is between 430 V and 650 V and protection cost is to be borne by BSNL)

The Power Utility would wait till 6 months from date of issue of RAC and in case no charging permission is given by BSNL then it would be taken as deemed charging permission.	No Comments
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Case-II (Induced voltage is beyond 650 V and protection cost is to be borne by Power Utility)

The Power Utility would wait till 6 months from date of deposit of money raised by BSNL demand note and in case no charging permission is given by BSNL then it would be taken as deemed charging permission.	As per the latest guidelines issued by CGM QA&INSP Circle, Jabalpur vide Ltr dtd 30-07-2018, RAC is issued by DE(PTCC), only after receipt from BSNL about completion of protection work suggested for Telecom lines/cables for which IV is more than 650 volts. Ltr dt 30/07/18 Enclosed at Annexure-XVII.
It was brought to the notice that some railway zones do not adhere to PTCC time limits for furnishing telecom details and for issuing NOC. It was provisionally decided that in case Railway telecom details are not received within the time limit prescribed by PTCC Manual CEA/Power utilities would compute IV from the available railway details in the topo map and would be considered as deemed Railway details. If NOC is not issued by Railway as per time limit prescribed in PTCC manual then it will be considered as deemed NOC. CLPTCC observed that as these provisional decisions have been taken in the absence of any representative from Railways so it would be prudent that before implementation these provisional decisions are conveyed to Railway Board with the request to send the representative in the next CLPTCC meeting.	CEA as follow up has written a letter to Railways on 23/7/18. (a copy is enclosed at Annexure-XVIII). Members may deliberate.

C. NEW AGENDA

AGENDA RECEIVED FROM DE EZ KOLKATA :

C.1 Pending PTCC cases due to non receipt of IV calculation from CEA New Delhi . The status is enclosed at **Annexure-XIX**.

C.2. Long Pending PTCC case of 132KV from OPTCL Odisha:

18 no's PTCC case of 132KV are pending due to non receipt of IV calculation from OPTCL, Odisha since long time. Out of these 18 cases, 1 case is pending since 2012, 2 cases since 2013, 2 cases since 2014, 2 cases since 2015, 5 cases since 2017 and 6 cases of current year i.e. 2018 (Between the period from 7.3.18 to 27.9.18).

Members may deliberate.

C.3. No nodal officer for handling PTCC matters in JUSNL & Power Grid,ER- I,Patna :

Since the last couple of years no nodal officer's name for handling PTCC matters from JUSNL (Jharkhand urja sanchar nigam limited) and Power Grid,ER I,Patna (Jurisdiction Bihar & Jharkhand) were informed to DE/PTCC(ER),Kolkata. So, the PTCC cases of their jurisdiction are not processed properly.

Members may deliberate.

C.4. Private power utilities may be given power to offer online :-

It is observed in present scenario that when the private power utilities offer through offline, the offering is not registered by DE/PTCC. If the offering is 220 KV & above, the details are sent by DE to CEA for scrutinization and if it is 132 kv or less, details are sent to SEBs for scrutinization. After receipt of scrutinized report by DE/PTCC, if this is found O.K., then the case is registered by DE/PTCC and then after, further survey process of BSNL & Railways start. It takes lots of time, so if the private power utilities are allowed to offer as like as other Govt. power utilities, the additional time consumption for PTCC Clearance may be saved for them.

Members may deliberate.

C.5. Absence of APDCL (Govt.power utility of Assam)in SLPTCC meeting :

It is observed that APDCL remained absent in the last SLPTCC meeting held in Guwahati on 28.11.2018. Since the last 5 to 6 years APDCL has not offered any power transmission line for PTCC clearance. It is also learnt from Assam Telecom circle, that lot of power lines in Assam were constructed and energized by APDCL, without PTCC clearance.

Members may deliberate.

C.6 Agenda Received From Odisha Telecom Circle :

Odisha Telecom Circle, BSNL, Bhubaneswar, has claimed of amount Rs.2,45,08,376.00, against damage of U/G copper cable and OF cable to OPTCL, during laying of power cable. PGMTD Bhubaneswar has neither received any correspondence nor any claims from OPTCL. Letter dt 30.11.18 is enclosed at **Annexure-XIX.1**

AGENDA RECEIVED FROM DE SZ CHENNAI :

C.7 PTCC proposal for O/H lines of length less than 0.8 KM

As per page 172 of PTCC Manual 2010, BSNL Telecom details are not being collected and sent for IV computation in respect of power cables of length less than 0.8 Kms. Whether it is applicable for power line proposals of O/H lines of length less than 0.8 Kms ? If not applicable, upto what boundary, BSNL TD is to be considered for marking and IV computation. This has reference to item 6.17 in page 22 of PTCC Manual 2010. The boundary for marking of BSNL TD may be clarified capacity wise and lengthwise.

Members may deliberate.

C.8 Time limit for issue of Energisation approval by the concerned Telecom Circle heads after receipt of Route Approval Certificate:

As per the latest guidelines issued by CGM QA&INSP Circle, Jabalpur vide Ir dtd 30-07-2018, RAC is issued by DE(PTCC), only after receipt from BSNL about completion of protection work suggested for Telecom lines/cables for which IV is more than 650 volts. In such cases, time limit for issue of Energisation approval by the concerned Telecom Circle heads after receipt of Route Approval Certificate, may be suggested.

Members may deliberate.

C.9 Guideline for EHT Cases submitted by private parties.

- (a) At present EHT proposals of 220 KV and above are directly submitted by private parties. They are processed, after getting scrutiny report from CEA/New Delhi. EHT proposals of less than 220 KV of private parties are forwarded through the concerned SEBs with the documents viz questionnaire, topo map, SR data, EPR calculation etc signed by Private Parties only, which is not accepted by Energisation issuing authority. **Suitable directions may be given.**
- (b) Issue of Energisation approval certificate may be made mandatory for all the power proposals submitted by private parties, irrespective of the capacity of the power line/cable and induced voltage range. This is to ascertain whether the private parties

have erected the power line as per the topo map only and adhered to all the norms as per PTCC code of practise.

Members may deliberate.

C.10 Authority competent to calculate IV and issue Route Approval Certificate for 22kV SC & DC and 33kV SC category:

As mentioned in page no 174 of PTCC Manual 2010, zonal DET(PTCC) of QA & INSP Circle(T&D) is issuing Route Approval Certificate for power proposals of 33 KV DC and above **on behalf of CLPTCC**. For power proposals **22kV SC & DC and 33kV SC category**, it is mentioned that calculation of IV , processing and issue of RAC **by SLPTCC** . Authority competent to calculate IV and signing of RACs may be clarified for all cases including private party cases.

Members may deliberate.

C.11 Decision on closure of old EHT power line proposals submitted by power utilities .

Many power line proposal submitted by SEBs prior to Mar 2016 are still pending for want of details like BSNL TD, Rly TD/NOC, IV comments from SEB/CEA as per details given below. Though they are discussed in every SLPTCC meetings, no progress is achieved and decision could not be arrived, as SEBs are not willing to close the cases. Instructions may be given to SEBs to close all such old cases and resubmit afresh ONLINE for further process.

Details of such cases is enclosed at **Annexure-XX**.

Members may deliberate.

AGENDA RECEIVED FROM CEA NEW DELHI :

C.12 PTCC proposals of below 220kV Transmission Lines by Private Parties

BSNL vide letter no. SR/PTCC/CM/2018-19/39 dated 23/08/2018 has sought guidelines for proposals of **22kV SC & DC and 33kV SC** Transmission Lines by private parties. BSNL has stated that the Clause 6.15 (page 21), Chapter 1 of PTCC Manual 2010 mentions the procedure for PTCC proposals of 220 kV and above voltage levels from Private Parties. However, the Manual does not mention about PTCC proposals of voltage levels less than 220 kV from Private Parties. BSNL has further informed that PTCC proposals for 33 kV DC to 132 kV voltage level of Private Parties are being forwarded and uploaded on PTCC portal by the concerned SEBs. Accordingly, these cases are being registered online and RACs are being uploaded on PTCC portal by DET, BSNL office. However, no such guidelines are present in the PTCC Manual. For 22 kV SC & DC and 33 kV SC category, as per PTCC Manual, the PTCC proposals are to be processed by SLPTCC.

CEA vide letter no. CEA/PCD/PTCC/2060-61 dated 31/8/18 has suggested an interim arrangement.

BSNL : CEA has suggested that, as an interim arrangement ,for private party cases of 22kV SC & DC and 33kV SC category, scrutiny report from the concerned Discoms/State Power Utilities may be taken with other procedure remaining same. The following is suggested for discussion and comments:

This interim arrangement may be made permanent, with additional condition that all documents viz questionnaire, topo map, SR data , EPR calculation etc be signed by SEBs

Members may deliberate and finalize the procedure.

C.13 More than 2000 V Induced Voltage values

There were 2 Nos. of PTCC cases where calculated IV values in a few telecom cables were found to be more than 2000 Volts. BSNL letters dated 6/8/18 and 7/8/18 are enclosed at **Annexure-XXI & Annexure-XXII**. Page 138 of PTCC Manual 2010 gives procedures for protection of telecommunication circuits from high induced voltage using GD (Gas Discharge) tubes. For IV more than 2000V, there is 20 GD tube formula, which is applicable for overhead telecom lines only. For underground telecom cables, in case IV exceeds 2000 V, there is no mention of any procedure in the PTCC Manual. Under such conditions, CEA vide letter dated 5/9/18 had suggested two options to contain IV upto 2000 V, the options are as under:

Option-1:

To shift Telecom cable or power line at safe separation distance.

Option-2:

To physically verify Soil Resistivity (SR) which is one of the parameters used to compute Mutual Coupling, and thereafter IV.

CEA opines that Option-2 may be exhausted first before exercising option-1, particularly when SR values given in the proposal is high. It is proposed that BSNL under such conditions may constitute a Sub-Committee with members from CEA, BSNL and the concerned Power Utility for physical inspection of the site for physical checking of SR values.

Members may deliberate.

C.14 PTCC cases having induced voltages greater than 650 Volts

CEA vide letter dated 9/8/18, has asked BSNL to confirm whether the power utilities where IV was more than 650 V have deposited the required amount for protection of telecom circuits. BSNL may furnish the status indicating details like name of PTCC proposal, date on which demand note issued, amount deposited by power utility, etc. for the period 1/1/18 – 31/10/18. The current status is enclosed at **Annexure-XXIII**.

Members may deliberate.

C.15 Marking of telecom cables in respect of closed telephone exchanges

DET, SR, BSNL formed a committee to verify the Soil Resistivity(SR) of 765kV Chilakalurpeta-Kadapa T/L, for which CEA has computed IV more than 2000 V for three cables. While verifying Soil Resistivity in connection to telecom cable namely Edara Exchange to Umamaheshwarapuram, it was found that Edara Exchange was already closed and its telecom cables were not in service anymore. CEA vide letter dated 5/10/18 (a copy enclosed at **Annexure -XXIV**) has informed BSNL about the same. It is a serious matter where same SDE, BSNL who has marked the telecom circuits informed during physical verification that these circuits do not exist.

Members may deliberate.

C.16 Limit of length of BSNL cable for which marking is not required

SDE, BSNL, Bhopal, in case of 765kV D/C Vindhyachal Pooling-Jabalpur transmission line of PGCIL intimated that marking of underground BSNL cables within 1.4 to 2 KM radius is not possible on route maps due to short length. CEA has communicated the same vide letter dated 19/9/18 (a copy enclosed at **Annexure -XXV**). BSNL may confirm.

Members may deliberate.

C.17 PTCC proposal for UG Power Cable of length less than 0.8 KM

In the PTCC Manual, at Page-172, it is stated that for power cable of length less than 0.8 KM, BSNL telecom details are not required to be marked. It in turn means that RAC would be issued on the basis of inputs received from Railways and Defense.

It is to inform that on account of screening factor, the calculated IV for BSNL telecom circuits would be greater than Railways and Defense telecom circuits. Therefore, it is proposed that telecom details from Railways and Defense may also not be sought. It in turn means that there may not be any requirement of PTCC for power cables of length less than 0.8 KM.

Members may deliberate.

C.18 PTCC cases pending for more than 2 years

BSNL vide letter dated 10/10/18 (a copy enclosed at **Annexure -XXVI**) has informed KPTCL that cases pending for more than 2 years for want of pending clarifications are closed and fresh proposal are required to be submitted. KPTCL vide letter dated 25/10/18 (a copy enclosed at **Annexure -XXVII**) took cognizance of it.

Members may deliberate.

C.19 Guidelines for issuing PTCC RAC for cases where IV is more than 650 V

BSNL vide letter dated 30/07/2018 (a copy enclosed at **Annexure -XVII**) formulated guidelines for issuing PTCC RAC for cases where IV is more than 650 V.

Members may deliberate.

C.20 Uploading of IV by CEA

It is to inform that CEA has started uploading month-wise calculated IV at its website (www.cea.nic.in) since August,18. The path for the same is : Homepage/Wings/Power System/PCD/"Reports for IV calculation for PTCC Route Approval". This uploading activity would be in addition to ongoing practice of sending the IVs by post. It would ease out the issues related to delay / not receiving the IVs.

It is proposed that similar action may be taken by BSNL for RACs at its website: www.tnd.bsnl.co.in till computerization of PTCC becomes fully operational.

C.21 Revised 'Time Limit' for various steps involved in PTCC clearance for line/cable having length less than 5 KM

In the last meeting, following time limits were finalised for Renewable generations and Traction circuits for all future cases.

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

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

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

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

It is proposed that the above time limits may be extended to all power lines / cables having length less than 5 KM.

Members may deliberate.

C.22 Review of clause 6.17 of PTCC Manual

PTCC Manual at page-22 has clause 6.17 which states that in as per decision taken in 91st CLPTCC meeting held on 8/6/10, BSNL will not mark telecom details where telecom circuits are less than 5 KM in length and more than 2 KM away from the proposed power line.

The above clause may be relooked as in case where soil resistivity is high the above proposition would have induced voltage beyond safe limits.

Members may deliberate.

C.23 Agenda received from MSETCL

Maharashtra State Transmission Company Ltd. (MSETCL) / MAHATRANSCO has sent agenda for the meeting, a copy is enclosed at **Annexure -XXVIII.**

Members may deliberate.

C.24 Agenda received from MPPTCL

Madhya Pradesh Power Transmission Company limited (MPPTCL) has sent agenda for the meeting, a copy is enclosed at **Annexure -XXIX.**

Members may deliberate.

C.25 Agenda received from DVC

It is case of 132KV line hence it should not be included.

Members may deliberate.

C.26 Agenda received from GETCO

Gujarat Energy Transmission Corporation Limited (GETCO) has sent agenda for the meeting, a copy is enclosed at **Annexure -XXX**.

Members may deliberate.

C.27 Agenda received from KPTCL

Karnataka Power Transmission Corporation Limited (KPTCL) has sent agenda for the meeting, a copy is enclosed at **Annexure -XXXI & Annexure -XXXII**.

Members may deliberate.

C.28 Agenda received from KSEB

Kerala State Electricity Board Limited (KSEB) has sent agenda for the meeting, a copy is enclosed at **Annexure-XXXIII**

Members may deliberate.

C.29 Agenda received from TSTRANSCO

Telangana State Power Transmission Company Limited (TSTRANSCO) has sent agenda for the meeting, a copy is enclosed at **Annexure -XXIV**

Members may deliberate.

C.30 Agenda received from PSTCL, PATIALA

Punjab State Transmission Corporation Limited (PSTCL) has sent agenda for the meeting, a copy is enclosed at **Annexure -XXXV**

Members may deliberate.

C.31 Agenda received from RRVPL, Jaipur

RAJSTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED (RRVPL) has sent agenda for the meeting, a copy is enclosed at **Annexure -XXXVI**.

Members may deliberate.

ANNEXURE-I

Standing Agenda for SLPTCC Meetings as per the discussions in the 105th CLPTCC Meeting

1. Details of HT/EHTpower lines energised after the last SLPTCC Meeting in the State				
Sl.No	Name of the Power Line	Length of the power line	Whether Route approval obtained from PTCC . If obtained, Approval particulars with date	Whether Energisation approval obtained from BSNL Territorial Circle . If obtained, Approval particulars with date
2 . Details of HT/EHTpower lines yet to be energised after the last SLPTCC Meeting in the State				
Sl.No	Name of the Power Line	Length of the power line	Whether Route approval obtained from PTCC . If obtained, Approval particulars with date	Whether Energisation approval obtained from BSNL Territorial Circle . If obtained, Approval particulars with date
3. Details of HT/EHTpower lines referred for PTCC clearance after the last SLPTCC Meeting in the state and awaiting Route Approval Certificate				
Sl.No	Name of the Power Line	Length of the power line	Request number allotted in the PTCC Web portal	Whether proposal accepted by DE(PTCC). If accepted, unique regn number
4. Details of HT/EHT power lines proposed in the next 6months period in the state				
Sl.No	Name of the Power Line	Length of the power line		

ANNEXUR-II

B.3 DETAILS OF SLPTCC meeting in 2018-19

Sl.no	Telecom circle	ZONE	Date of SLPTCC meeting conducted	Organized by	Place	REMARKS
1	West Bengal	Eastern	14.06.2018	WBSETCL	Kolkata	Conducted
2	Bihar	Eastern	09.08.2018	BSNL	Patna	Conducted
3	Jharkhand	Eastern	25.09.2018	BSNL	Ranchi	Conducted
4	Odisha	Eastern	16.05.2018	OPTCL	Bhubaneswar	Conducted
5	Assam	Eastern	28.11.2018	BSNL	Guwahati	Conducted
6	Punjab	Northern	15/11/18	PSTCL	Patiala	Conducted
7	J&K	Northern	15/11/18	Jammu Elec.	Jammu	Conducted
8	Rajasthan	Northern	09/10/18	BSNL	Jaipur	Conducted
9	UP(E)	Northern	24/10/18	BSNL	Lucknow	Conducted
10	Uttarakhand	Northern	05.10.18	PTCUL	Kashipur	Conducted
11	HP	Northern	30.10.18	HPPTCL	Hamirpur	Conducted
12	ANDHRA PRADESH	Southern	09.11.18	APTRANSCO	VIJAYWADA	Conducted
13	TELENGANA	Southern	05/09/2018	TSTRANSCO	Hyderabad	Conducted
14	KERALA	Southern	25/04/2018	KSEB	Trivandrum	Conducted
15	KERALA	Southern	24/07/2018	BSNL	Kozhikode	Conducted
16	KERALA	Southern	22/11/2018	KSEB	Trivandrum	Conducted
17	KARNATAKA	Southern	28/07/2018	KPTCL	Bangalore	Conducted
18	KARNATAKA	Southern	17/11/2018	KPTCL	Bangalore	Conducted
19	TAMILNADU	Southern	13/07/2018	BSNL	Chennai	Conducted
20	TAMILNADU	Southern	28/11/2018	BSNL	Chennai	Postponed. New date waited.
21	MP	Western	26.06.2018	BSNL	Bhopal	conducted
22	MP	Western	26.09.2018	BSNL	Indore	Conducted
23	CG	Western	06.07.2018	CSPTCL	Raipur	conducted
24	CG	Western	06.10.2018	BSNL	Raipur	conducted
25.	Gujarat	Western	17.11.18	Getco	Junagarh	Conducted

Tele: 23019746

Directorate General of Signals
Signals - 7
General Staff Branch
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi - 110011

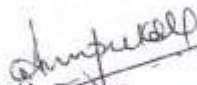
B/46937/Sigs 7(b)

19 Aug 2018

Government of India
Ministry of Power
Central Electricity Authority
Power Communication Development Division
NRPC Complex, Katwarai Sarai
New Delhi-110016

PTCC-DETAILS OF NODAL OFFICERS

1. Ref your letter No CEA/PCD/106th CLPTCC Meeting/2018/1903 dt 24 Jul 2018.
2. It is intimated that the proj "Network for Spectrum" is being monitored centrally. It is requested that all queries be addressed to this office as hitherto fore.


(A Rawat)
Maj
GSO 1 (Comn)
for SO-in-C

Minutes of the 2nd meeting of the Sub-Committee to examine the induction effects of HVDC transmission lines at nearby telecom circuits, held On 25th October, 2018 at New Delhi

To examine the induction effects of HVDC transmission lines at nearby telecom circuits, the 2nd meeting of the Sub-Committee under the chairmanship of PGM, BSNL, Kolkata was held on 25/10/2018 at Conference Room, CEA, Sewa Bhawan, RK Puram, New Delhi-110066. The meeting was attended by officers from CEA, BSNL, PGCIL, PRDC and CPRI. A list of participants is enclosed at Annex-I.

Background:

A copy of gist of discussions held in the last meeting of the Sub-Committee on 13/4/18 is enclosed at Annex-II. In the last meeting, it was agreed that transient fault current for around 10 msec. would exist in HVDC, and it would cause induction in the telecom circuits in the vicinity. Accordingly, it was decided that PGCIL would submit PTCC proposal of 33KM long transmission line constructed from Alipurduar HVDC station to the earth electrode station at Mathabhanga. The decision of the Sub-Committee was placed before CLPTCC forum in the last meeting held on 25/5/18. The CLPTCC while agreeing to the decision of the Sub-Committee decided to expand the Sub-Committee by including PRDC and CPRI representation. In the CLPTCC meeting, PGCIL SR-I requested of PTCC clearance of +/- 800kV Raigarh-Pugalur HVDC line. The CLPTCC decided that this case would also be looked after by the Sub-Committee.

Deliberations held in the meeting:

Director, CEA informed that he had sent background papers including gist of discussions of last meeting of the Sub-Committee, along with meeting notice. PRDC representative informed that except meeting notice he has not received any other information from CEA. CE, CEA briefed him quickly, as he was to leave early. PRDC stated that the earth electrode line carries HVDC poles' differential current, which under steady state conditions is very less. However, in transient fault conditions, the current would rise for a short duration, 9-10 m.sec., in the first pulse. To study the impact on telecom circuits in vicinity, he suggested that EMT (Electromagnetic Transients) studies may be carried out by CPRI. The studies require system modelling and for that data from both Power and BSNL side is needed. CPRI agreed to carry out studies.

PGCIL stated they have carried out studies to find out electrode current after DC pole to ground fault at Alipurduar. DC pole to ground fault was applied at the line side of smoothing reactor at Alipurduar end. Fault current was measured at the electrode line at Alipurduar end. PGCIL handed over the relevant papers in this regard, a copy is enclosed at Annex-III. PGCIL further informed that the fault current was of the order of 6000 amperes on each electrode. He stated that the challenge is to find out mutual impedance between power line and telecom circuits. CPRI suggested that Fourier transform may be helpful.

CE, CEA stated that the issue is actually a complex one because maximum di/dt exists for first pulse and for very small duration. As PTCC is linked to safety of human lives and communication equipment, the

Annexure-IV (Pg2/2)

induction effects can't be ignored. He read out old communication dated 24/7/10 related to +/- 500kV HVDC Mundra-Mahindergarh power line wherein the power authority had stated that the current rise would be maximum to 3000 A. CEA had computed IV (Induced Voltage) vide letter dated 6/12/10 for issuing PTCC approval. Copies of both letters are enclosed at Annex-IVA and Annex-IVB respectively. It may be observed that CEA had used 3000 A fault current, and applied prevailing procedure for IV computation.

CPRI representative suggested that the transient current data recorded during fault may be analyzed using Fourier Transforms to obtain the predominant frequency components in the current waveform. This frequency may be used in the formula to calculate the induced voltages in the Telecom circuits (considering parameters viz. mutual coupling, soil resistivity based on the line profile data etc.) Technical DC fault current wave form, submitted by PGCIL (enclosed as Annexure - III page 1/10), measured at the electrode line is analyzed. It is observed that the maximum peak current is about 6000A which reaches its peak in about 5 m sec which oscillates and dies down to less than 2000 A in about 40 msec. The transient current reaching its peak in 5 ms which is similar to quarter cycle of 20 ms (50Hz) AC waveform.

Thus, transient DC fault current frequency of 50Hz can be considered as the worst case which gives the maximum Induced voltage (IV) magnitude using the same formula. It is opined by CPRI representative that the IV may be computed by considered 50Hz (worst case) as done in ± 500 kV HVDC Mundra – Mahindergarh line (Annex-IV-B). CPRI representative also informed that, CPRI explore the possibility carrying out simulation studies to compute the transient DC fault current for which the desired data required for modelling will be provided by PGCIL.

Decisions:

After detailed deliberations, following was decided:

- (i) CPRI would seek required information for carrying out studies. CPRI may explore possibilities for doing this work free of cost, as there is as such no provision to make payment from PTCC forum.
- (ii) PGCIL, SR-I informed that in case of +/- 800kV Raigarh-Pugalur HVDC line, there is no earth electrode, and instead each pole has its own direct return conductor. It was decided that PGCIL, SR-I would submit complete technical details to the Sub-Committee for examination.

The meeting ended with vote of thanks to the Chair.

Annexure-V

Minutes of the 2ndSub- Committee meeting to discuss the losses suffered by BSNL subsequent to charging of 33 KV Power line from Pulwai to PDCIL, Gadwel, Mahaboobnagar, Telangana held on 03-08-2018 at Hyderabad.

The 2ndSub- Committee meeting to discuss the losses suffered by BSNL subsequent to charging of 33 KV Power line from Pulwai to PDCIL, Gadwel, Mahaboobnagar, Telangana was held on 03-08-2018 at the conference hall of % CGM Telangana Telecom circle, Hyderabad subsequent to the first meeting held at New Delhi On 18-05-2018. The following members were present in the meeting.

1. Shr.S.P. Abraham Director, PCD Division CEA, New Delhi - Chairman
2. Smt.Chitra Suresh, Divisional engineer (PTCC) QA&Insp circle, Chennai - Member
3. Shri.D.V.S Prakash Rao, AGM(USO&PTCC), %CGM Telangana Circle,
Hyderabad - Member
4. Smt.Jyothi Rani DE, Telecom, TSSPDCL, Hyderabad - Member
5. Shri.Bipin Singh, Manager (Operations), M/S Talettutayi Solar
Projects Pvt Ltd and M/S NVVogt Solar One Pvt Ltd . - Member

The meeting was attended by Sri.Chakrapani, Suptdg Engineer(OP), TSSPDCL, Gadwal.

Welcoming the members , Sri.S.P Abraham Director (PTCC), CEA/New Delhi and chairman of the Sub-committee briefed the minutes of the 105th CLPTCC Meeting held at Kochi and the purpose of this subcommittee meeting. He briefed about the charging of the said 33 KV Power line on 26-06-2016 without PTCC clearance , notification by BSNL about the damages caused to BSNL Telecom assets in Gadwel Exchange, de-energisation of the line on 04.08.2017 after intervention of Honourable District Collector of Gadwel and the initiative taken by CEA/New Delhi directing M/S Solar Arise to refer the proposal for PTCC approval. He also pointed out the defects intimated by Suptdg Engineer(OP), TSSPDCL, Gadwal in their letter dtd 27-12-2017 , after a joint inspection on the 33 KV DC line from Solar Power Plants Palwai to PDCIL, Gadwel and which were rectified by M/S Solar Arise later. Quoting the Route Approval Certificate issued by DE(PTCC), Chennai on 07.12.2017 for the said power line, he intimated that the issues of induction on the telecom cables due to the power line does not arise and the line was charged on 25.12.2017. He cited about the non occurrence of any incidents of damage or disturbance (which were intimated earlier) to the Telecom cables, after the energisation of the power line 2nd time.

Shri. D.V.S. Prakasa Rao AGM(USO&PTCC), %CGM Telangana Circle, Hyderabad also described the chronology of the incidence right from charging of the power line on 26.06.2016 without PTCC

Annexure-V (continue..)

Approval , damages caused to Telecom assets and efforts taken by BSNL in restoring the BSNL services during 11 such occasions when damage occurred to BSNL due to the charging of this power line . He had also confirmed that no such damage to Telecom cables was reported during the period from 04-08-2017, the date on which the power line was kept open as per the instruction of the Honourable District Collector of Gadwelas well as timely intervention of CEA/New Delhi and till date, even after energising the power line on 25.12.2017 after getting the due PTCC route Approval Certificate and after M/S Arise attended to the defects pointed out by by Suptdg Engineer(OP), TSSPDCL, Gadwal in their letter dtd 27-12-2017 , after a joint inspection. He emphasised that the loss occurred by BSNL was only due to charging of the power line which was erected in a non standard manner and penalty has to be imposed to M/S Soalr Arise , the owner of the power line for charging the line without PTCC route approval.

After hearing the deliberations by Sri.D.V.S Prakasa Rao, Shri. S.P.Abraham emphasised that that M/S Soalr Arise have attended to all the defects in the power line only after the opening of the line on 04-08-2017 as per Collector's orders and after a notification from Suptdg Engineer(OP), TSSPDCL, Gadwel about the defects in the line. He insisted that this corrective action should have been taken by M/S Solar Arise before charging the power line on 26-06-2016 without PTCC Approval. He also insisted that the damages to BSNL assets because of the charging of this power line should have brought to the notice of Chief Electrical inspectorate as in the case of a fatal accident.

Smt.Chitra Suresh DET(PTCC), Chennai also after the deliberations by Shri.D.V.S Prakasa Rao quoted that "Section 160 of the Electricity Act 2003 (as depicted in PTCC Manual 2010) says that ***"Every person generating, transmitting,distributing, supplying or using electricity(herein referred to as the "operator") shall take all reasonable precautions in constructing, laying down and placing his electric lines, electrical plant and other works and in working his system, so as not injuriously to affect, whether by induction or otherwise, the working of any line used for the purpose of telegraphic, telephone or electric signalling communication, or the currents in such wire or line."***

She suggested that the fact is clear that damages have been caused to BSNL Telecom assets only by the charging of the subject power line, though not by induction but by otherwise viz power line having been erected not to standards, vide inspection report of SE(OP), TSSPDCL Gadwel and also M/S Solar Arise has not taken reasonable precautions before charging the power line, though post facto route Approval certificate has been obtained on 07.12.2017.

Annexure-V (continue..)

Shri.Chakrapani SE(OP), TSSPDCL Gadwel informed about his visit to Gadwel Exchange and revamping of the exchange earth during the period when the power line was kept open from 04-08-2017. He also apprised to the committee about the loss incurred by M/S Solar Arise due to line kept open since 04.08.2017, for which the committee opined that the loss whatever suffered by them is at their own cost.

Shri Bipin Singh from M/S Solar Arise confirmed that the line was charged after the certificate issued by the Chief Electrical Inspectorate. Shri S.P. Abraham reminded that the approval was given without PTCC clearance.

Smt Jyothi Rani DE, Telecom, TSSPDCL, Hyderabad also apprised that rectification works on the power line by M/S Solar Arise has been carried out by them only after their inspection report and also as a follow up action after the meeting organised by honourable District Collector on 16-12-2017 with the BSNL , TSSPDCL and M/S Solar Arise.

After deliberations by all the members of the committee, shri. S.P.Abraham ,the honourable chairman of the sub committee informed that, he was of the opinion that this sub committee has been formed thinking that the damage to BSNL assets might have been due to induction effect from the 33 KV Power line from **Pulwai to PDCIL, Gadwel, Mahaboobnagar, Telangana on the Telecom cables, which is ruled out now as per the Route Approval certificate. The issue of safety aspects should be brought to the notice of the Electrical Inspectorate.**

Conclusion:

1. There was never any such damage like burning of cables, PCBs, MDF, equipment at Gadwal Exchange till the 33KV line of Ms Solar Arise was charged. The line was charged without PTCC Approval.
2. SE(Operation) TSSPDCL Gadwal has also pointed out in his letter dated 27.12.2017 that many defects were noticed during joint inspection on the 33 KV DC lines erected by M/S Soar Arise from Solar Power Plants Palwai to EHT Substation Gadwal, such as loose spans, leaning poles, leaning towers, leaning cross arms, defective insulators, improper earthing, improper laying of ug cables, improper clearances, improper erection of towers&supports, improper fixing of strut poles to main poles, strung panther conductor on DC line on Spun poles& M+6 Towers which are suitable upto Dog/100 Sq. mm conductors only etc.
5. Section 160 of the Electricity Act 2003 (as depicted in PTCC Manual 2010) says that “Every person generating, transmitting,distributing, supplying or using electricity(herein referred to as the “operator”) shall take all reasonable precautions in constructing, laying down and placing his electric lines, electrical plant and other works and in working his system, so as

Annexure-V (continue..)

not injuriously to affect, whether by induction or other wise, the working of any line used for the purpose of telegraphic, telephone or electric signaling communication, or the currents in such wire or line

6. M/S Solar Arise informed that they have charged the line after getting approval from the CEIG vide their letter dated 06.09.2017, who has not insisted for PTCC Route Approval certificate. M/S Solar Arise has confirmed vide their letter dated 17.12.2017 that they have completed a full assessment of the line and completed maintenance work required, including replacing some insulators, strengthening earth pits and straightening poles. This work on the power line erected by M/S Solar Arise has been carried out only after reporting of the defects by TSSPDCL as well as BSNL intimating the disturbance and damages caused to the Telecom Assets.
7. No GD tube protection has been recommended in the Route Approval certificate issued by PTCC, since the voltage likely to be induced on the BSNL cables due to the said power line is less than 430 volt. The logical conclusion based on factual experience is that, no damage is experienced (what was experienced on 11 occasions when the line was kept charged) since 04-08-2017 the day when the said power line was opened after the intervention of the Honorable District Collector .
8. Hence it is opined that the loss suffered by BSNL is only due to the non-standard erection of the power line functioning so close to Telecom installations and charged without precautions and without getting PTCC approval .The damage might have been due to a rise in the earth potential of the nearby power poles. BSNL has claimed that the damage to BSNL assets is only due to the tripping of the power line momentarily. M/S Solar Arise in their letter dated 06-09-2017 have also intimated that such faults might be due to earthing issues or power surges. M/S Solar Arise have also intimated that they have also done maintenance work like improving earthing or re-earthing, changing the insulators at various points, straightening the insulators at various points etc. during July /August 2017 . This corrective works by M/S Solar Arise have been carried out after reporting by BSNL authorities about the damage caused to BSNL assets or after opening of the line on 04-08-2017.
9. No damage to BSNL assets has been reported, after the closing of the said power line on 25 -12-2017, after getting required PTCC approval dated 07.12.2017 . This is due to the fact that maintenance/improvement work has been undertaken by M/S Solar Arise on the power line/poles etc , as confirmed by M/S Solar Arise in their letter dtd 17-12-2017 .
10. Considering the close proximity of the power line with the Gadwal Telephone Exchange which may pose danger to BSNL Assets/Personnel at any time, BSNL may bring it to the notice of the Electrical inspectorate.
11. This aspect of subsequent changes in the power line and no incidence of induction can not in any way offset the facts prior to opening up the line to keep it dead for want of PTCC approval.

Annexure-V (continue..)

12. From the above deliberations it is clear that, the damage to BSNL equipment is only due to the 33KV line of Ms Solar arise erected in a non standard manner and charged without prior PTCC clearance. .Hence it is absolutely lawful, as per Section 160 of the Electricity Act 2003 that M/S Solar Arise should compensate to BSNL the loss suffered by them..

Sd/.....

Shri.D.V.S Prakash Rao,
AGM(USO&PTCC),
%CGM Telengana Circle,
Hyderabad

Smt.Chitra Suresh, Divisional
Engineer(PTCC)
QA&Insp circle, Chennai

Shr.S.P. Abraham Director,
PCD Division CEA,
New Delhi

Smt.Jyothi Rani DE,Telecom,
TSSPDCL, Hyderabad

Shri.Bipin Singh, Manager
(Operations) , MIS
Talettutayi Sola Projects Pvt
Ltd and MIS NVVogt Solar O

Talettutayi Solar Projects Private Limited



Date: 20th August 2018

Mr. S P Abraham
Director
Ministry of Power
Central Electricity Authority
Power Communication Development Division
NRPC Complex, Katwaria Sarai
New Delhi – 110 016

Draft Minutes of the 2nd Sub- Committee meeting held on 03-08-2018 at Hyderabad, email dated:
17 August 2018 12:43

Sir,

We thank you for chairing the subcommittee appointed under the 105th CLPTCC meeting to examine whether induction from the 2x33kV lines was the cause of the issues faced by the BSNL exchange at Gadwal.

The minutes of the 2nd Subcommittee meeting clearly conclude (on page 3) that induction was not the cause of the issues faced by BSNL and as such the Subcommittee has fulfilled its purpose.

However, we must object to the specifics of the minutes recorded as they are inaccurate, selective, and purport conclusions where no study of any nature has been done.

It is wholly inaccurate and deliberately defamatory to suggest we have not attended to the regular maintenance of the lines prior to the opening of the lines on August 4, 2017. The Subcommittee has ignored examining the regular reports of our ongoing maintenance of which the members were clearly aware. Further, though our representative clearly informed the subcommittee of this, it has been deliberately excluded from the minutes. These reports clearly substantiate that we have been doing our regular on-going maintenance activities.

Further, certain members have opined that the damage caused to BSNL was due solely to the 2x33kV power lines. This must be noted and recorded as their own personal view and opinion only as they have not been willing or able to produce the analysis and any substantive evidence on which such a conclusion can be reached. In fact, they have (and BSNL has) taken great care to ignore specific facts of the incidents at the BSNL exchange and have chosen, deliberately, to mislead the subcommittee by not informing the subcommittee that some of the incidents suffered by BSNL occurred even when the lines were disconnected. From a careful perusal of all the facts, it is quite clear that the incidents at the exchange were due to factors other than the 2x33kV power lines.

Talettutayi Solar Projects Pvt Ltd	nv vogt Solar One Private Limited (Formerly known as nv vogt Tamil Nadu Solar One Private Limited)
Regd. Office: 304, ILD Trade Centre, Sector 47, Sohna Road, Gurgaon - 122001. Tel. 0124 - 4204108 Email ID – info@solar-arise.com	

Talettutayi Solar Projects Private Limited



The following are our specific responses to the items noted as Conclusion in the minutes. Firstly, we object to the use of the word Conclusion as there was no detailed study done to support these conclusions, except for the study on induction, which was found to be well within the prescribed limits. Also, the Subcommittee does not have backing of any report to arrive at the conclusion mentioned therein. These Conclusion have been based only upon certain personal views and opinion which lack merits and substance. Following are our response to the same:

1. We object to this conclusion as BSNL has not provided any details of O&M records of the exchange to examine the issues prior the charging of the 2x33kV line. Without such records, it cannot be concluded that there was never any such damage at the exchange. It is a matter of fact that the line was initially charged without PTCC approval, however it is completely incorrect to conclude that because of this fact, the damages occurred to the BSNL equipment were on account of 2x33kv lines.
2. The SE(Ops) TSSPDCL Gadwal's letter is a matter of record. However, the members cannot show that these issues raised were the direct cause of the incidents at the exchange and simply opining does not make it a fact. Further, and with grave concern we state, the minutes have omitted the SE(Ops) note of significant earthing defects and other related issues within the BSNL exchange, which was shared with the Subcommittee at the meeting, and which were likely the true cause of the issues faced at the Exchange. It is quite surprising to note that, the Sub-committee has chosen to ignore certain key facts at their convenience and only handpicked few of them in a selective manner in these conclusions, which are bound to mislead the findings.
3. Omitted, not present in minutes
4. Omitted, not present in minutes
5. Section 160 of the Electricity Act is a matter of record.
6. Our letters are a matter of record. However, the minutes are egregious in suggesting that the maintenance of the line was carried out only after we were notified. In fact, the minutes have deliberately dismissed the letters prior to the opening of the lines on 4 August 2017 pertaining to our ongoing maintenance of the line.
7. The PTCC approval and the recommendation that no GD tube protection is required are a matter of record. While BSNL has faced no damage since the lines were opened on 4 August, it is also true and it must be noted that BSNL has faced no damage since the lines were closed on 27 December 2017, which was after BSNL had attended to the earthing defects and other related issues in their Exchange, the likely source of the ongoing incidents at the Exchange. Further, as mentioned above, BSNL has not produced any report or technical findings before the sub-committee which establishes that, BSNL suffered damages to their equipment as claimed by them.
8. The opinion stated here has no basis in analysis or study and ignores certain pertinent facts and as such cannot be considered by the subcommittee.
9. While no damage has been reported after closing the 2x33kV power lines, it is misleading to suggest it is due to the maintenance efforts taken on the lines. In fact, the members so opining have failed to show the causality between the line maintenance actions and the incidents at the BSNL exchange and have deliberately ignored, with the intention to mislead, the corrective actions taken by BSNL themselves on the earthing at the Exchange.

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Talettutayi Solar Projects Private Limited



10. The power lines are well outside the minimum safe distance from buildings as notified in CEA regulations, and as submitted by the SE(Ops) Gadwal and this is continuing evidence of the members' intent to ignore facts and study and opine without due attention to facts and laws, for the purpose to extort liability from us.
11. The subcommittee members have failed to consider all the facts with study and have only resorted to selective reference.
12. This is completely and wholly wrong and the subcommittee is not empowered to issue such a ruling and certainly the subcommittee has failed to establish the causality between the 2x33kV lines and the incidents faced by BSNL. The sub-committee has not only exceeded its jurisdiction but also arrived at a totally incorrect conclusion. Such conclusion is bad in law because it has not backing of any evidence and is devoid of any merits. This conclusion has been arrived upon purely upon the personal views and opinions of some members. It is clear that the likely cause of the incidents is the deficient earthing at the BSNL Exchange itself.

Further it must be noted that the Minutes/conclusions have ignored other pertinent comments to further an opinion as a conclusion, which itself carries no merit. The points suggested by the representative of SolarArise has been deliberately ignored in the said minutes.

We do not ratify these minutes and we ask they be stricken. The only matter of note is that the Subcommittee has established that there was no induction from the 2x33kV lines and the cause for the BSNL's incidents lie elsewhere.

Sincerely,

Bipin Singh
Manager

Copy Submitted to by email

1. Smt. Chitra Suresh, Divisional engineer (PTCC) QA & Insp circle, Chennai – Member
deptccchi@gmail.com
2. Shri. D.V.S Prakash Rao, AGM(USO&PTCC), %CGM Telangana Circle, Hyderabad – Member
agmottcbnli@gmail.com
3. Smt. Jyothi Rani DE, Telecom, TSSPDCL, Hyderabad – Member detelecom@tssouthernpower.com.
jyoshe@gmail.com
4. Shri. Chakrapani, SE (OP) TSSPDCL, Gadwal. - Chakrapani.ch@gmail.com

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Gist of discussions of the meeting of the Sub-Committee to examine induction effects due to Underground Power Cable at Telecom cable circuits, held on 12/11/18 at CEA, New Delhi

To examine the induction effects of UG Power Cable at nearby underground telecom circuits, the meeting of the Sub-Committee under the chairmanship of Chief Engineer, PCD, CEA was held on 12/11/2018 at the Office of CE, PCD Division, CEA, NRPC Building, Katwaria Sarai, New Delhi-110016. The meeting was attended by officers from CEA, BSNL, KPTCL, DTL, MSETCL and Tata Power Discom. A list of participants is enclosed at **Annex**.

Background

In the last (106th) CLPTCC Meeting held on 25/05/2018 at Mahabaleshwar, requirement of PTCC approval of UG power cables was discussed. It was decided that a Sub-Committee comprising representatives from CEA, BSNL, Power Utilities, Cable Manufacturers and Discoms would study the issue.

Deliberations held in the meeting

Welcoming the participant, CE, CEA stated that CEA's Safety Regulations have provisions for requirement of PTCC clearance of O/H Power line of 11kV and above, but there is no mention of UG power cables in the Regulations. PTCC Manual at page-12, clause-6.4.10 states that route approval for power cables would continue to be issued on the lines similar to those of O/H power lines taking into account the Screening Factors due to power telecom cables in computing the induced voltage. However, PTCC Manual is a guidebook prepared by PTCC forum, and not regulations. He cited the Section-160 of the EA-2003 which states that all reasonable precautions in constructing, laying down and placing the electric lines would be taken so as not injuriously to affect, whether by induction or otherwise, the working of any wire or the line used for the purpose of telegraphic, telephone or electric signaling communication, or the currents in such wire or line.

CE, CEA stated that PTCC clearance is a safety requirement. It is for safety of human lives and communication equipment from hazardous inductions effects at telecom circuits due to fault in high voltage power lines in the vicinity. Leaving aside legal provisions, he requested participants to discuss whether **technically** there would be induction effects at telecom cables due to fault in UG power cables. He stated that Manufacturers of Cables have deliberately not called in the first meeting, if the Sub-Committee members feel they would be called in the next meeting.

After detailed discussions, the Sub-Committee observed that the screened power cables are laid outdoors and touch proof, and as such no voltage induction is perceived during normal operations. However, during fault conditions, there may be abysmal voltage induced on the nearby objects. However, going further as the telecom cables are also screened, there may not be voltage induction below the screens of telecom cables. The Sub-Committee felt that instead of going on perception, a study may be carried out by a third party reputed academic and research institute so that extent of voltage induction and its effects on the telecom cables be worked out.

KPTCL informed that they don't receive PTCC cases of 33kV and below level from Discoms. Tata Discom stated that in cities due to high load density and load growth, the number of 11kV and 33kV power cables laid in a year is very high and may be to the tune of 5000 cables in a year in Delhi itself. Also these cables upto 66kV are 3 core cable and resultant current flowing through the cable is zero. With technological advancement, the fault timing is in m.sec.

Keeping into consideration the large volume of 33kV and below UG cables, Tata Power suggested to have provision of self-certification from the concerned power utility, under the Government's resolution of 'Ease of Doing Business'. He informed that CEA has already allowed self-certification in case of safety inspection of a particular category of electrical installations under 'Ease of Doing Business'. All members of the Sub-Committee agreed with suggestion of Tata Discom, with a caveat that views of some more Discoms may also be sought.

Decisions

After detailed deliberations, following was decided:

- (i) There may be induction in nearby metallic telecom cables running parallel to UG power cables. However, magnitude of effective Induced Voltage would be quite small due to two layered screening posed by both power cable and telecom cable. Detailed study may reveal out the exact status. Tata Power volunteered to explore possibilities to get the study done. It was clarified that funding for the study is to be done by Tata Power, as CLPTCC forum has no such provisions.
- (ii) Self-certification for PTCC clearance of UG power cables of 33kV and below by the concerned power utilities was agreed in principle, however final decisions would be taken after seeking views from some more Discoms.

The meeting ended with vote of thanks to the Chair.

MADHYA PRADESH POWER TRANSMISSION COMPANY LIMITED (MPPTCL)

SR NO	CASE NO	NAME OF Transmission Line	Status in % DE PTCC WZ
1	MP418	220 kV Inter connector between 220/132 kV S/S Betul (MPPTCL) to 400 kV S/S Betul (PGCIL)	RAC issued on 02.11.18.
2	MP419	LILO of both Circuits of Damoh-Sagar 220 kV Line at 400 kV S/s (PGCIL) Damoh.	RAC issued on 20.04.18.
3	MP422	LILO of One Circuit of 220 kV Bhopal-Hosangabad DCDS line at Proposed 220 kV S/s Adampur	RAC issued on 22.05.18.
4	MP420	LILO of both Circuits 220 kV Sarni-Pandhurna line at 400kV substation Betul (PGCIL)	RAC issued on 05.07.18.

ANNEXUR-IX

DAMODER VALLY CORPORATION (DVC)

1	132 KV (Double circuit)	132 KV DVC Dhanbad –Govindpur T/L from 220/132/33 KV Dhanbad S/S of DVC to JSEB Amagahat (Govindpur) S/S.	RAC Issued on 23/5/18
2	132 KV (2 nd Single cct)	2 nd single cct at LILO from existing 132kv CTPS-DTPS TX line to 132/33kv JAMURIA S/S	RAC Issued on 14/5/18

ANNEXUR-X

C.5 APTRANSCO (TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED)

SR NO	CASE NO	NAME OF Transmission Line	Status in % DE PTCC SZ
1.		400 kV TMDC line from Sattenpally SS to Podili	RAC issued ,12.7.18.

ANNEXUR-XI

CHHATISGARH STATE POWER TRANSMISSION COMPANY LIMITED (CSPTCL)

SR NO	CASE NO	NAME OF Transmission Line	Status in % DE PTCC WZ
1	CHH24	400 kV D/C Line from Marwa TPP to Raipur (Raita S/s)	RAC issued ,18.7.17.
2	CHH25	400 kV D/C LILO Line from Korba (West)-Kheddamara line to Marwa TPP 2x 500 MW	RAC issued,18.7.17.
3	CHH41	400kv D/C Korba (west) to Khedamara	RAC issued,28.9.18.
4	CHH71	400 kV DCDS Raita(Raipur)-Jagdalpur Line	IV awaited from CEA
5	CHH12	220KV D/C line from 220KV CSPTCL Raigarh S/S to 400/220KV PGLIC Raigarh S/S.	RAC issued, 25.8.18.
6	CHH13	220KV D/C line from 220KV Jindal Power Plant Tamner-220KV CSPTCL Raigarh s/s	RAC issued, 25.8.18.
7	CHH23	220KV D/C line from Chhuri- Mopka	IV received, but NOC awaited from SECR.

ANNEXUR-XII

RAJSTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED (RRVPL)

SR no	CASE NO	NAME OF POWER LINE	Status in % DE PTCC NZ
1	RAJ- 600	400KV D/C Barmer –Bhinmal line	RAC Issued on 23/5/18
2	RAJ- 590	400kv D/C Suratgarh TPS – Babai line	RAC Issued on 25/6/18
3	RAJ- 604	220kv Bhiwadi-TSS Mundana of DFCC line	RAC Issued on 7/8/18
4	RAJ- 598	220kv S/C Kalisindh – Bhawanimandi line	RAC Issued on 7/8/18
5	RAJ- 603	220kv S/C Kalisindh – Bhawanimandi line	RAC Issued on 25/6/18
6	RAJ- 611	220kv D/C Bhadla – M/s SUCRL 220/33kv PSS1 Bhadla Solar Park phase III line	RAC Issued on 19/7/18

ANNEXUR-XIII**Punjab State Transmission Corporation Ltd (PSTCL)**

SR NO	CASE NO	NAME OF POWER LINE	Status in % DE PTCC NZ
1	PNB 309	400kv Ludhiana- 220kv Dorah S/C line on D/C towers	RAC Issued , 2/8/18
2	PNB 288	220kv S/C line from 400kv Mukatsar – 220kv Kotakpura (Sandhwan)	RAC Issued , 4/8/18
3	PNB 350	PNB-350 LILO of one ckt of 220kv GHTP- Talwandi Sabo at 220kv s/s Maur	BSNL TD received & FWD to CEA i/m/o Oct 18.
4	PNB 335	335 220kv from 400kv PGCIL Moga to 220kv Mehal Kalan	RAC Issued ,19/6/18
5	PNB 347	220kv LILO S/C Humbran – Ferozepur Road Ludhiana at Ladawal	RAC Issued ,19/6/18
6	PNB 301	220kv Goindwal Sahib – Botianwala D/C line IV	RAC Issued already in year 2014.
7	PNB 319	220kv D/C Makhu-Algon T/L	RAC Issued 19/6/18
8	-----	220kv Abohar – Malout S/C on D/C	IV calculation received in OCT 18, but NoC pending from Railway.
9	PNB 348	220kv D/C line from 400kv Nakodar to 220kv Ladawal	RAC Issued 19/6/18
10	PNB 345	LILO of 1 ckt of 220kv BBMB Jalandhar – 220kv Pong D/C line at 220kv s/s Alwalpur	RAC Issued 25/6/18
11	PNB 354	LILO of 220kv Himmatpura to Jagraon line at 220 kv s/s Ajitwal	NoC from Defence pending.
12	PNB 353	LILO of 220kv line Moga – Himmatpura at Badni Kalan	NoC from Defence pending.

ANNEXUR-XIV**POWER GRID CORPORATION OF INDIA LIMITED ,SOUTHERN REGION-II(PGCIL, SRTS-II)**

SR NO	CASE NO	NAME OF POWER LINE	Status in DE PTCC NZ
1	KNK-879	400 KV DC Hiraiyur-Mysore Line(Ultra Mega Solar Park Phase-2)	SKT-1739. BSNL TD sent to CEA 10/08/2018. IV awaited

2.	KNK-810	400 KV DC Madhugiri(Tumkur) - Yelhanka line(SRSS-13)	SKT-1739. No Southern Railway involved. Comes under only South Western Railway & SW Rly TD sent to CEA on 24/02/2016, and now IV awaited.
3.	TN-656	LILO of 230 KV SC Neyveli-Bahoor line at Karaikal	STN-1767.RAC issued on 21/6/18.

ANNEXUR-XV

POWER GRID CORPORATION OF INDIA LIMITED ,WESTERN REGION-II(PGCIL, WRTS-II)

SR NO	CASE NO	NAME OF POWER LINE	Status in %DE PTCC WZ
1	MP-406	765 kV D/C Vindhyachal Pooling substation to Jabalpur Pooling substation transmission line under system strengthening scheme associated with NTPC Vindhyachal-V P371km	RAC Issued on 03/10/2018.
2	GUJ-718	765 D/C Banashantha to Chittorgarh (Gujarat Portion) Green Energy Corridors	RAC Issued
3	GUJ-728	400kV D/C Mundra-Bhuj (Triple) S/S	IV awaited from CEA
4	GUJ-749	LILO of 220 kV Vapi Khadoli transmission line at Vagchiba substation associated with the UT of dadar of Nagar Haveli	IV awaited from CEA
5	GUJ-740	400KvD/C(Twin)Banaskatha(Radhanseda)-Banaskatha(PG)	RAC Issued

ANNEXURE-XVI

GETCO, GUJRAT:

SL NO	DETAILS OF POWER LINE	CEA CASE	REMARKS
1	220 KV D/C Lilo line from 220 KV Savarkundala - Vatej line to BECL Plant	GUJ-687	RAC ISSUED 18/5/18
2	220 KV D/C line BECL plant to 220 KV Sagapara s/s	GUJ-686	RAC ISSUED 18/5/18
3	220 KV D/C line from BECL plant to KV Botad s/s.	GUJ-688	RAC ISSUED 21/5/18
4	220 KV S/C LILO line to 220 KV Botad S/S from existing 220 KV D/C Amreli - Dhasa Line	GUJ-706	RAC ISSUED
5	220 KV Mokha-Vasana line on D/C & M/C from GECTO 220 kv Mokha to 400 KV Vasana s/s,Dist.-Kutch. Gujarat.	GUJ-679	RAC ISSUED
6	220KV D/C LILO line on Varsana – Jamanwada (Suzlon) line 1&2 at 220KV 20KV Bhachuda s/s	GUJ-716	RAC ISSUED
7	220 KV Faredi LILO of Both circuit of 220 KV D/C Kadana - Dhansura line	GUJ-708	RAC ISSUED

8	LILO of Both Circuit of 220 KV Halvad-Bhimasar line at 400 KV Halvad S/S	GUJ-705	RAC ISSUED
9	220KV S/C LILO line on Vadavi – Chhatral line at 220KV Santej s/s	GUJ-714	RAC ISSUED
10	220KV D/C line from Mitha – Becharaji s/s	GUJ-712	RAC ISSUED
11	220KV D/C line from Kheralu – Dharewada s/s	GUJ-717	RAC ISSUED
12	220KV D/C line from Becharaji – Maruti Suzuki s/s	GUJ-713	RAC ISSUED
13	220 KV LILO at 400 KV Veloda S/S from Radhanpur - Mehsana Line	GUJ-719	RAC ISSUED
14	220KV D/C LILO Bhimasar from Morvi-Halwad line 2	GUJ-641	RAC ISSUED
15	220 KV Makansar S/s from existing 220 KV M/C Sartanpar - Wankaner line	GUJ-697	RAC ISSUED

34/34
54/24

कार्यालय मुख्य महाप्रबंधक,
गुणवत्ता आश्वासन एवं निरीक्षण परिमंडल,
संचार विकास भवन, ईजीईन्टी रोड, जबलपुर-482001
O/o CGM, QA & INSPECTION CIRCLE,
SANCHAR VIKASH BHAWAN,
RESIDENCY ROAD, JABALPUR-482001
Tel : 07612628525/MOBILE - 945803608



भारत संचार निगम लिमिटेड
(भारत संचार निगम लिमिटेड)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

BSNL 3G >>> BSNL LIVE
Faster than your thoughts 2010

No. TD/LP-2014/2017-18

Dated: 30.07.2018

To

All DE(PTCC), BSNL
QA & Inspection Circle

Subject - Guidelines for issuing PTCC RAC, when IV is more than 650 volts.

It is observed that with the ongoing practice of issuing PTCC RAC, the Power Authorities may energise the power line without getting the energization approval from the competent authority of BSNL even when there is protection recommended in the Route Approval Certificate issued by the concerned DE(PTCC), when the voltage likely to be induced on the BSNL Telecom Lines/cables due to the proposed power line is greater than 650 volts. Such energization of power line without proper protection to Telecom assets is a violation from PTCC code of practice and is hazardous to Telecom assets & personnel and causes disruption in the service of BSNL and huge loss to BSNL. So it is decided that the following procedure is to be followed hence forth while issuing Route Approval certificate by the concerned DE(PTCC), for all cases where IV is more than 650 volts.

1. The concerned IV calculating authority i.e. CEA, New Delhi or the SEBs, as the case may be, may forward the Low Frequency (LF) induction Comments intimating the voltage likely to be induced on the existing BSNL Telecom lines/cable due to any proposed power line.
2. DE(PTCC) concerned may scrutinize the LF comments so received and Issue Route approval certificate for the power line, only in cases where the voltage likely to be induced on the existing BSNL Telecom lines/cable due to any proposed power line is less than or equal to 650 volts, on receipt of NOCs from the concerned Railway authorities, Telecom Maintenance Region of BSNL (If IV for some telecom lines/cables is more than 430 V and upto 650 V) and Defence.
3. In case the voltage likely to be induced on the existing BSNL Telecom lines/cable due to any proposed power line is more than 650 volts(for the protection cost to be borne by Power utility), DE(PTCC) shall intimate to the concerned SSAs of BSNL informing the details of the Telecom lines/cables likely to be affected due to the proposed power line, along with the type of protection to be carried out on the Telecom lines/cables before energization of the power line.
4. BSNL SSAs shall immediately raise a demand note within the time limits prescribed in the PTCC Manual, towards the cost of expenditure for the protection work to be carried out on the Telecom lines/cables as per the recommendation of DE(PTCC) and send it to the concerned Power authorities, with a copy endorsed to DE(PTCC) and the BSNL authority competent to issue Energization approval for the power line.
5. The concerned Power authorities shall pay the amount as per the demand note raised by BSNL authorities within the time limits prescribed in the PTCC Manual and intimate to the concerned BSNL SSA.

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GA

6. BSNL authorities on receipt of payment from the Power authorities shall execute the protection work as recommended by DE(PTCC) vide para (3) above, within the time limits prescribed in the PTCC Manual. The intimation regarding completion of protection work carried out by BSNL SSAs shall be intimated to the concerned DE(PTCC), who in turn shall issue Route Approval certificate incorporating or enclosing the completion report received from BSNL SSAs, NOCs from the concerned Railway authorities, Telecom Maintenance Region of BSNL and Defence.

7. On receipt of Route Approval certificate from DE(PTCC) concerned, Energization approval shall be issued by the concerned competent authority of BSNL.

8. The line shall not be charged until receipt of energization approval from the concerned competent authority of BSNL.

9. The date of energization of the power line shall be intimated to all concerned

All DE PTCC are requested to bring above in the notice of concerned electricity authorities under their jurisdiction.

GA
30/07/12
D.E.(PTCC)
Jabalpur

Copy to- The CEA, ND. For kind information please.



भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

पावर कम्युनिकेशन डेवलपमेंट प्रभाग

Power Communication Development Division

No. CEA/PCD/106th CLPTCC Meeting/2018/1901-02

Date: 23-JUL-2018

The Director (Telecom)
Railway Board,
Rail Bhawan, Raisinha Hills
New Delhi-110001

Subject: PTCC Route Approval of EHV power lines

Sir,

As you are aware that PTCC Route approval is mandatory requirement before charging of transmission line. PTCC approval is for safety of telecommunication equipment and human being from hazardous induction effects on account of faulty transmission lines lying in the vicinity of telecom cables. Railway is one of the stakeholders whose telecom cables are to be protected. The issues related to PTCC are discussed in Central Level PTCC meeting, held twice in year.

It has been noticed that in the last two CLPTCC meetings, no railway representative attended the CLPTCC meeting. With the result, issues related to railways could not be decided. Like, it was informed in the last meeting that some railway zones do not adhere to PTCC time limits, as prescribed in the PTCC Manual, for furnishing telecom details or for issuing NOC.

The members opined that in case railway telecom details are not received timely, then the details as available in SOI's topo map may be considered, and IV calculations may be carried out. CLPTCC members were also of the view that in case induced voltage is less than safe limit and there is delay in issuing NOC, then in that case after prescribed time limit, it would be considered deemed NOC from that particular railway zone.

These decisions have been kept in abeyance in view of absence of railway representative in the meeting. You are therefore requested that suitable directions may be issued to all railway zones to attend PTCC meeting regularly.

o/c *Naresh 23/7/18*
(Naresh Bhandari)
Chief Engineer

Copy to: CGM, BSNL, Inspection Circle, Residency Rd, Prestige Town, South Civil Lines, Jabalpur, Madhya Pradesh 482001

Eastern region CLPTCC cases are pending due to non receipt of IV report from C.E.A., NewDelhi

Sl.no.	Circle	Route name	Pending since
1.	WB	400 KV DC T/L Haldia to Subhasgram (offered by Haldia Energy Ltd.)	12.04.2016
2..	Odisha	400 kv DC T/L from 400/200 kv new Dubri grid forest st. to MRSS at M/S TATA Steel(offered by OPTCL)	30.04.2016
3..	Odisha	220 KV DCtransline from 400/220KV GSS at Benapanjari of PGCL to 220/33 KV GSS at Puri (offered by OPTCL)	20.01.2017
4..	WB	220 KV NewMelli –Legship (Offered by Energy &Power Dept. Govt. of Sikkim)	03.05.2017
5..	WB	LILO line at new PPSP 400 KV GIS of DC LILO line of 400KV PPSP-Arambag(Offered by WBSETCL)	18.09.2017
6.	Odisha	220 kv LILO from ckt.II of 220 kv Meramundali to Bhanjahnagar DC line to 220/33 kv Grid s/s at Narasinghpur (offered by OPTCL)	07.11.2017
7.	WB	400 KV DC(quad)Jigmelling – Alipurduar T/L – Assam portion.(offered by PGCL)	05.04.2018
8.	JKD	220 KV DC Ulijhari to Gua T/L (offered by JUSNL)	18.05.2018
9.	Assam	220 KV LILO to Sonapur s/s fro 220 KV DC Smaguri- (offered by AEGCL)	15.06.2018

Operational Planning Cell
O/o The Chief General Manager,
Odisha Circle, Bhubaneswar.

☎: (674) 2393311, 📠: 2394203



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

No.: OP/16-681/2018-19/23

Dated at Bhubaneswar, the 30th November 2018

To

Shri P.K. Jain,
D.E.T (PTTC), O/o the CGM, QA & Inspection Circle,
Sanchar Vikas Bhawan, Residency Road,
Jabalpur-482001
Tel No: 0761-2628525,
E-mail id: agmsw@rediffmail.com

Sub. :- Agenda points for next 107th CLPTCC Meeting.

Ref. :- Letter No. CGM (QA & I)/LP-2015/107th CLPTCC Meeting/12 Dated 05.11.2018

With reference to your letter cited above on the captioned subject, the agenda points for next 107th CLPTCC meeting of BSNL, Odisha Circle is furnished below for kind information.

It is noticed that the power cables have been laid by ODISHA POWER TRANSMISSION CORPORATION LIMITED (OPTCL) in different routes of Bhubaneswar city area. The detail routes are given below for information.

Sl. No.	Name of the power cable route of (OPTCL)	Length of Cable in KM
1	Sishubhawan chhak to Ramamandir Chhak (Both side)	3.0
2	Master Canteen chhak to PMG Sqr (Right side)	0.5
3	Sishubhawan chhak to New Forest park Chhak (Right side)	1.0
4	Rajmahal chhak to AG chhak (Right side)	0.5
5	Ram Mandir Chhak to OSHB Chhak (Left side)	0.5
6	Old CGMT Office chhak to Exhibition ground(Right side)	1.0
7	Old CGMT Office chhak to Market Bldg (Right side)	1.0
8	Forest Park B Park to Spring Tank (Left side)	1.0
9	B P Park to Sishubhawan chhak (Left side)	1.0
10	Bidyut Marg to Power House chhak (Right side)	1.0
11	Bidyut Marg to Jaydev Vihar chhak (Left side)	1.5
12	Telephone Bhawan to Bidyut Marg (Right side)	1.0
13	Sum Hospital to Nakagate chhak via Kalinga Studio (Right side)	3.5
14	Dumduma Patsahi Dhaba to Sijua grid (Right side)	4.0
15	Infosys PS to CIPET via Industrial Estate	1.2
16	NALCO Nagar Square to CIPET Square	4.0
17	NALCO Square to Jaydev Square	3.0
18	OMFED factory to Railway Medical , Mancheswar	1.5
19	Magnum Square Patia to Grud Station Near KIIMS Hospital	1.5
20	TCS Office to Sadashree Vihar Grid Station	3.0
21	Mancheswar I.E. Electric Office to MCH Rail way station	1.8
22	Rasulgarh square to Ekambra Talkies (Cuttack Road)	1.2

ANNEXURE-XIX.1(Pg2/3)

23	SBI Chandaka to IDCO Tower Mancheswar	1.1
24	Acharya Vihar to H.B road (Left)	1.5
25	Achary Vihar to NALCO park (Right side)	1.5
26	Jaydev Vihar to The World (left side)	0.8
27	Satya Nagar Exch to PHD Office	0.9
28	Big Bazar square to PHD Office	0.9
29	Big Bazar square to Narula Market (Left)	0.7
30	In front of Science Park to OPTCL , Grid Station in OPTCL Campus	1.1
31	Science park to Jaydev Vihar square via Utkal Villa	1.0
32	OPTCL via (Akhandamani) to Science Park	0.9
33	Road No-5 (Unit-9) to Road No.5 (Grid station)	0.7
34	Grid station (in front of Satya Vihar to Plot No.80, Saheed Nagar	1.0
Total Length of cable in KM		49.8

It is a matter of concern that as soon as OPTCL charge the Power, the BSNL Network may be affected.

Further, it is to intimate you that PGMTD, Bhubaneswar has claimed against damage of underground copper cable and Optical Fibre cable to OPTCL in different phases during laying of Power cable. The claim details is furnished below for kind information.

Sl. No.	Period of damage claim to OPTCL	Amount of damage claim to OPTCL
1	July-2016 to 10.11.2016	Rs 42,78,650.00 (Rupees Forty two Lakh Seventy Eight Thousand Six Hundred Fifty) only
2	11.11.2016 to 31.01.2017	Rs.40,76,576.00(Rupees Forty lakh Seventy Six Thousand Five Hundred Seventy Six only)
3	Feb-2017 to 31.01.2018	Rs.1,61,53,150.00(Rupees One Crore Sixty one Lakh Fifty three Thousand One hundred fifty only)
Total amount claimed		Rs 2,45,08376.00

In this regard PGMTD, Bhubaneswar, Odisha Circle has neither received any correspondence nor any claims form OPTCL.

So, you are requested to discuss the issues in CLPTCC meeting with OPTCL and instruct OPTCL to pay the claim amount of PGMTD, Bhubaneswar, Odisha Circle and also resolve the power related issue before charging.

Further, it is to intimate you that the following sites for Telecom Survey is in Progress/Pending in BSNL, Odisha Circle as on 26.11.2018.

Telecom Survey in Progress:-

1. Approval of 220 Kv DC Line from Bhanjanagar to 220/132/33Kv Grid Sub-station, Aska. Field verification completed, marking in topology is pending as topo map is not able to read for marking in topology and information given to OPTCL staff.
2. Approval of 132KV D/C Line from Digapahandi Grid sub-station, to 132/33 Kv Grid sub-station at Chikiti. Field Verification completed, topo map is not able to read for marking in topology and information given to OPTCL staff.

ANNEXURE-XIX.1(Pg3/3)

Telecom Survey Pending:-

1. Approval of 220Kv DC Line from Kesinga Grid Sub-station to 220/33 Kv Grid sub-station at Baliguda.
2. Approval of 132 KV S/C Line from 132/33Kv Grid sub-station, Salipur to 132/33Kv Grid sub-station, Kendrapara.

The above 2 nos. of Telecom Survey are pending at SDE/PTCC, Bhubaneswar end due to shortage of time of SDE PTCC, Bhubaneswar.

This is issued with the approval of HOC.

[Handwritten Signature]
1.12.18

उप महाप्रबंधक(एन/डब्लू-ओपी-सीएफए)ओडिशा परिमंडल
Dy.General Manager (N/W-OP-CFA), Odisha Circle.

Copy to:-

1. The PGM/GM, Inspection & QA circle, BSNL, Jabalpur for kind information please.
2. Chief Engineer, PCD, O/o CEA, New Delhi for kind information.
3. The CMD, OPTCL, Gridco. Building Bhubaneswar for kind information and requested to resolve the charging issue by discussing the issue with PGMTD, Bhubaneswar.
4. Director (PTCC),O/o CEA, New Delhi for kind information
5. The DE, PTCC (E/R), BSNL, Inspection Circle (Kolkata), for kind information and to discuss the power charging issue before CLPTCC meeting.

[Handwritten Signature]
1.12.18

उप महाप्रबंधक(एन/डब्लू-ओपी-सीएफए)ओडिशा परिमंडल
Dy.General Manager(N/W-OP-CFA), Odisha Circle.

ANNEXURE-XX**DETAILS OF PTCC PROPOSAL SUBMITTED BY POWER UTILITIES PRIOR TO 2016 IN SOUTHERN REGION :**

Name of SEB	TOTAL CASES	BSNL TD	RLY TD/NOC	IV from SEB	IV from CEA	EPR	DEFENCE NOC ONLY	PROTECTION COMPLETION REPORT FROM BSNL
APTRANSCO	19	0	9	6	3	1	0	0
TSTRANSCO	23	5 *	2	9	6	0	1	0
KARNATAKA	3	0	1	0	2	0	0	0
KERALA	8	2 **	0	4	1	0	0	1
TAMIL NADU	3	0	1	0	2	0	0	0
TOTAL	56	7	13	19	14	1	1	1
* 2013 CASE – 2 NOs 2014 CASE – 3 NOs								
** 2012 CASE – 1 NO 2013 CASE – 1 NO								

YEAR WISE PENDING TABLE

Name of SEB	TOTAL CASES	2008	2009	2010	2011	2012	2013	2014	2015	2016
APTRANSCO	19	2	1	2	2	2	7	0	2	1
TSTRANSCO	23	0	0	1	0	1	5	5	7	4
KARNATAKA	3	0	0	0	0	0	1	1	0	1
KERALA	8	0	0	0	0	1	3	1	3	0
TAMIL NADU	3	0	0	0	0	0	0	1	2	0
TOTAL	56	2	1	3	2	4	16	8	14	6

CAPACITY WISE PENDING TABLE:

Name of SEB	TOTAL CASES	220 KV and above	Less than 220 KV
APTRANSCO	19	5	14
TSTRANSCO	23	11	12
KARNATAKA	3	3	0
KERALA	8	1	7
TAMIL NADU	3	3	0
TOTAL	56	23	33



BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)
QA & INSPECTION CIRCLE
Office of the Divisional Engineer Telecom (PTCC)
1st Floor, RajBavan Telephone Exchange
No.26, Sardar Patel Road, Guindy, Chennai-32.
E-mail :deptccchi@gmail.com

To

The Director (PTCC),
Central Electricity Authority,
New Delhi.

No: SR-PTCC/SAP-1770/16 dtd at Chennai-32 the 07.08.2018.

Sub: Proposed 765 KV DC line from Chilakaluripeta 765 KV AIS to Kadapa 765 KV GIS – LF
comments - Reg.


Ref: 1. Lr.No: SR-PTCC/SAP-1770/11 dated 02.03.2018.
2. Your Office Lr.No : CEA/PCD/PTCC/AND-668/1541 dated 06.06.2018.

The Induced voltage details provided from your office vide ref (2) has IV of more than 2000 Volts for the below mentioned Telecom cables.

1. C.K.Dinne Exchange to P 15 to DP001 - IV is 2134 volts.
2. Rajampalli Exchange to Kunchepalli – IV is 2307 volts.
3. Edara Exchange to Umamaheswarapuram – IV is 2550 volts.

So it is requested to provide the details of safe separation distance with and without GD tube protection for this cable , at the earliest.


07/08/2018
Divisional Engineer Telecom
PTCC, QA & Inspection Circle,
Chennai-600 032.


12/8
16/8
nd. yatazart
rdt





BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)
QA & INSPECTION CIRCLE
Office of the Divisional Engineer Telecom (PTCC)
1st Floor, RajBavan Telephone Exchange
No.26, Sardar Patel Road, Guindy, Chennai-32.
E-mail :deptccchi@gmail.com

To

The Director (PTCC),
Central Electricity Authority,
New Delhi.

No: SR-PTCC/SAP-1764/05 dtd at Chennai-32 the 06.08.2018.

Sub: Proposed 765 KV DC line from Vemagiri SS to Chilakaluripeta SS – LF comments - Reg.

Ref: 1. Lr.No: SR-PTCC/SAP-1764/05 dated 02.02.2018.
2. Your Office Lr.No: PCD/PTCC/AND-666/1819 dated 10.07.2018.

The Induced voltage details provided from your office vide ref (2) has IV of more than 2000 Volts (ie 2220 volts) for the Telecom cable from Dechavaram Exchange to Kandlagunta. So it is requested to provide the details of safe separation distance with and without GD tube protection for this cable, at the earliest.


06/08/2018
Divisional Engineer Telecom
PTCC, QA & Inspection Circle,
Chennai-600 032.

ANNEXUR-XXIII

Status of PTCC cases with Induced Voltage more than 650V, issued by CEA during period from 01.01.18 to 31.07.18 :

Sr. no	CEA Case No.	Name of Power line	Name of Power Utility	Date on which Demand note issued	Date on which amount deposited by Power Utility	Remarks of concerned DE PTCC
01.	RAJ-590	400KV D/C super critical Suratgarh-Babai Transmission line.	RVPNL, Jaipur.	00.00.00	00.00.00	North Zone: Provisional RAC issued on 25.06.18, prior to C.O guidelines dtd 30-07-2018. GD Tube protection details for telecom cables send on 29.11.18
02.	ORS-211	220KV S/C on T/L Towers from 220/33KV Laxmipur grid S/S to Nalco Damanjodi.	OPTCL, Odisha.	-----	-----	East Zone : FINAL RAC ISSUED ON 10.10.2018.
03.	GUJ-740	400KV Twin Banaskantha(Radhaneeds)-Banaskantha (PG) line.	PGCIL	Not issued	00.00.00	West Zone: GD Tube protection for telecom cables recommended on 28.08.18.
04.	MRA-1126	765KV D/C Rajnandgaon-Warora Transmission line.	Raipur-Rajnandgaon-Warora TX LTD.	Not issued	00.00.00	West Zone: GD Tube protection for telecom cables recommended on 06.11.18.
05.	TNG-39	400KV OMDC line from Ramadugu 400KV S/S at Medaram 400/11KV gis in Karim nagar district.	TSTRAN SCO	-----	-----	South Zone :RAC issued on 17-07-2018 prior to C.O guidelines dtd 30-07-2018. E/A issued on 18.08.2018
06.	TNG-40	220KV D/C line from Kalwakurthy to proposed Solar power plant M/S Azure power India Ltd under NTPC 400MW solar power project in Telangana state.	TSTRAN SCO	Not raised till now.	00.00.00	South Zone :RAC issued on 02-07-2018 prior to C.O guidelines dtd 30-07-2018.
07.	TNG-49	230KV D/C line from 400/230KV Tirunelvi GIS S/S to Mytrah Energy pooling station.	Mytra Energy	-----	-----	South Zone :RAC issued on 20-10-2018 after completion of GD tube protection work as per C.O guidelines dtd 30-07-2018.
08.	AND-665	400KV Srikaklam (Paishasha)-Garividi (APTRANSCO) D/C (OMDC ACSR) T/L.	PGCIL	28.09.18	14.11.18	South Zone : RAC will be issued only on receipt of GD

						tube protection completion report from Srikakulam SSA.
09.	AND-666	765KV (Hexa Zebra)line from Vemagiri GIS to Chilakaluripeta Transmission line. PART 1 : GD Tube protection for telecom cables with IV more than 650 and less than 2000 volts, to 1)Vijayawada, 2)Khammam 3)East Godavari and 4)West Godavari SSAs. PART 2: GD Tube protection for telecom cables with IV more than 2000 volts to 1) Guntur SSA.	PGCIL	1)29.09.18 2)Pending 3)Pending 4)17.09.18 1)27.10.18	20.11.18 20.11.18 20.11.18	South Zone : RAC will be issued only on receipt of GD tube protection completion report from SSA.
10.	AND-668	765KV Transmission line Chilakaluripeta 765KV AIS to Kadapa 765KV GPS. PART 1 : GD Tube protection for telecom cables with IV more than 650 and less than 2000 volts, to 1)Guntur, 2)Kadapa 3)Ongole. SSAs. PART 2: GD Tube protection for telecom cables with IV more than 2000 volts to 1) Kadapa 2)Ongole SSA, on receipt of revised IV comments after SR reading test.	PGCIL	1) Raised 2)29.08.18 3)22.09.18 1)29.10.18 2)03.11.18	1)Paid 2)01.10.18 3)20.11.18 1)21.11.18 2)20.11.18	South Zone :Guntur SSA has raised the D/N , PGCIL paid the amount and completed the protection work on 01.11.2018
11.	AND-669	400KV D/C line Hindupur NP Kunta 400KV D/C transmission line associated to SRSS-24.	PGCIL	11.09.18	28.09.18	South Zone :RAC will be issued after receipt of GD tube protection completion report from Anantapur SSA.
12.	TN-656	230KV Neyveli- Karaikkal D/C line (LILO of 230KV Neyveli – Baboor S/C transmission line at Karaikkal S/S.	PGCIL	26.10.18	31.10.18	South Zone :RAC issued on 21-06-2018 prior to C.O guidelines dtd 30-07-2018.
13.	TN-667	230/33KV Chandragiri Windfarm S/S to 230/400KV Tirunelveli new GIS pooling station TX line.	SUZLON	No information	00.00.00	South Zone :RAC issued on 20.06.2018 prior to C.O guidelines dtd 30-07-2018. Revised RAC issued on 19-09-2018 , due to change in nomenclature of the line..



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पावर कम्युनिकेशन डवलपमेंट प्रभाग
Power Communication Development Division

No. CEA/PCD/PTCC/2182

Date: 05-OCT-2018

CGM, Inspection Circle, BSNL,
Residency Rd, Prestige Town,
South Civil Lines,
Jabalpur, Madhya Pradesh 482001

Subject: Physical Inspection of the Site

Sir,

In regard to processing of PTCC case of 765kV Chilakalurpeta-Kadapa T/L, CEA has computed IV more than 2000 V for three telecom cables. A copy of CEA's letter dated 6/6/18 is enclosed at Annex-I. Subsequently, CEA suggested to verify SR (Soil Resistivity) values by a Committee. Accordingly, DET, SR, BSNL formed a Committee to verify the SR. A copy of order is enclosed at Annex-II. While verifying SR in connection to telecom cable namely Edara Exchange to Umamaheshwarapuram, it was found that Edara Exchange was already closed and all its telephone cables are not in service. A copy of Committee's findings along with a letter from SDE (GR), Podili, BSNL stating closure of Edara Exchange is enclosed at Annex-III. It means the IV computed for all three cables from Edara Exchange i.e. Exchange to Purimetla, to Vemula and to Umamaheshwarapuram shall become Nil.

An extract of Topomap showing marking of these three cables from Edara Exchange is enclosed at Annex-IV where it may be observed that SDE (GR), Podili, BSNL has marked Edara Exchange and three telecom cables emanating from the exchange. In the Annex-III, SDE (GR), Podili, BSNL has issued a certificate that Edara Telephone Exchange is closed and all its connected cables are not in service. It may also be observed from signature made in both the Annexures that same SDE (GR), Podili, BSNL has furnished diametrically opposite information. It is a serious matter, and needs to be fixed immediately. The reason being that revelation of closure of Edara Exchange was made only when the Committee visited the site for inspection. Had the Committee not visited, BSNL would have charged the Power Authority for GD tubes installation. This incident has also created a doubt whether other Exchanges where IV is less than 2000 V and physical inspection has not been done, are actually in service or not.

Annexure-XXIV(Pg2/2)

There is one more aspect that after the telecom marking is done and received in the office of DET (PTCC), is there any mechanism to cross check its authenticity.

o/s
Yours faithfully,
Naresh Bhandari
(Naresh Bhandari)
Chief Engineer



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पावर कम्युनिकेशन डवलपमेंट प्रभाग
Power Communication Development Division

No. CEA/PCD/PTCC/MP-406/2119-22

Date: 19.09.2018

Divisional Engineer (PTCC), Inspection Circle,
Bharat Sanchar Nigam Limited (BSNL),
3rd Floor, D-Wing, BSNL Admin Building
Juhu Tara Road, Santacruz (West)
Mumbai (Maharashtra)-400054

Subject: Induced Voltage details in respect of PTCC proposal for 765kV D/C Vindhyachal pooling-Jabalpur pooling transmission line under system strengthening scheme associated with NTPC, Vindhyachal-V, being constructed by Powergrid Jabalpur Transmission Limited.

Reference:

- i) BSNL Letter No. TM/PTCC/RA-1/MP-708, Dated-06.04.2018
- ii) WCR Letter No. WCR/N-HQ/120/PTCC/CORR/T-50/Pt-III-155, Dated 02.06.2016
- iii) Defense Letter No. B/46937/Sigs 7(b)/527, Dated-10.04.2017

Sir,

The low frequency induction on BSNL and Railway Telecommunication circuits as per details furnished vide above cited references (i) and (ii) under single line to ground fault conditions has been calculated and enclosed at Annex-I & II. In the calculations, the average Soil Resistivity value has been taken as 30,000 ohms-cm, as per data submitted by Transmission Licensee, and screening factors as applicable have been considered. The Defense has accorded NOC vide above Ref.(iii), a copy is enclosed at Annex-III.

The Transmission Licensee vide email dated 10/9/18 (a copy enclosed at Annex-IV) has forwarded email of SDE (PTCC), BSNL, Bhopal wherein it is informed that marking of 7 nos. telecom cables (Sr.no. E to J in Annex-I) are within 1.4 KM to 2.0 KM radius, hence, marking of directions of cables on route map are not possible due to short length. Accordingly, IV for these cables have not been calculated. The Transmission Licensee vide email dated 12/9/18 has intimated that line length at the time PTCC proposal submission was indicated as 371.911 KM, but during construction and tower spotting, the final line length is 373.33 KM, and requested CEA to consider the same for IV calculations.

1/2

Received on 19/09/18

o/c

Consideration above, kindly take necessary action for issuing PTCC route approval.

Encl.: as above

Yours faithfully,


(Naresh Bhandari)
Chief Engineer

Copy to:

- (i) GM (S&T), West Central Railway, First Floor, Annex-II Building, Jabalpur-482001
(with Annexure-II only)
- (ii) Chief Manager (Engg.), PGCIL, Plot No. 54, Adjacent to Riya-Revti Resort, Opp. Ambe Vidyalyaya, Sama-Savli Road, Vadodara (Gujarat)-390008

Copy for kind information to:

CGM, Inspection Circle, BSNL, Residency Rd, Prestige Town, South Civil Lines, Jabalpur, Madhya Pradesh 482001	With reference to Annex-IV, BSNL may confirm the limit of length of telecom cables upto which their marking on topomap may not be required.
---	--

BHARAT SANCHAR NIGAM LIMITED
QA & INSPECTION CIRCLE
Office of the Divisional Engineer Telecom (PTCC)
Raj Bhavan Telephone Exchange
1st Floor, No.26, Sardhar Patel Road, Guindy, Chennai-32.
Phone 04422354620 email:deptccchi@gmail.com

To

CEE SLDC
KPTCL, Bangalore.

No:SR-PTCC/KNK/ 2982/18

dtd. @ CNI-32 the 10/10/2018

Sub: PTCC clearance of 220 KV MC line from proposed 400/220 KVSinganayakanahalli (PGCIL) SS to LILO both circuits of existing Doddaballapur-BIAL 220 KV SC line in Bengaluru District-Reg

- Ref: 1. CEE SLDC KPTCL Bangalore office lr.no. CEE/LDC/PTCC/F 2359/9125-33
dtd. 31.12.2015
2. This office lr.no. SR-PTCC/KNK/2982/5 dtd. 02/02/2016.
3. This office lr.no.SR-PTCC/KNK/ 2982/16 dtd. 25/06/2018

Kindly refer to the above mentioned power line proposal and it is pending for clarification from your end for more than 2 years.

As per the instructions contained in AGM PTCC, Jabalpur, Ir. No TD/LP-2014/CLPTCC/10-11 dtd 25-03-2011, cases pending for more than 2 years are to be closed under intimation to the concerned power authorities. Hence this office is forced to issue closure of this case as per the directions of AGM,PTCC Jabalpur. This is for your information and further action at your end please. If it is felt that the power line proposals are still in existence and Route Approval Certificate is required, the proposals may be resubmitted afresh in full form as per the latest PTCC guidelines without any discrepancies or omission of data. If the lines are already energized, the same may also be intimated to this office.

S. Sabiya Beave
10/10/18
Divisional Engineer (PTCC),
QA & Inspection Circle,
Chennai - 32.

Copy to:

1. Director PTCC, CEA/New Delhi for infr. Pl.
2. CGM Karnataka Circle. Bengaluru for infr. Pl.

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Phone: Off.22267034
22384279
E-mail:ceeldcptcc@gmail.com



Office of the
Chief Engineer Electricity,
State Load Despatch Centre,
28, R. C. Cross Road,
Bengaluru - 560 009.

No. CEE/SLDC/PTCC/F-2359/- 12061-66
Encl: 3 sheets

Date: 25/10/17

To,
The Superintending Engineer (Elect.),
Transmission (Works), KPTCL, A.R Circle,
Bengaluru-09.
Sir,

Sub: Proposed 220kV MC line from proposed 400/220kV Singanayakanahalli (PGCIL) SS to LILO both Circuits of existing Doddaballapur-BIAL 220kV SC line, in Bengaluru District.

- Ref: 1. Y.O.Letter No SEE/Tr (W)/ EEE (O)/AEE-SSD/3108-10 Dated 22/12/2015.
2. T.O Letter No. CEE/SLDC/PTCC/F-2359/9125-33 Dated 31/12/2015.
3. Letter No.SR-PTCC/KNK/2982/5 Dated 02/02/2016 issued by DE, PTCC, Chennai.
4. T.O Letter No. CEE/SLDC/PTCC/F-2359/10204-08 Dated 06/02/2016.
5. Y.O.Letter No SEE/Tr (W)/ EEE (O)/AEE-SSD/2459-60 Dated 11/11/2016.
6. Y.O.Letter No SEE/Tr (W)/ EEE (O)/AEE-SSD/2459-60 Dated 12/02/2016.
7. T.O Letter No. CEE/SLDC/PTCC/F-2359/10970-72 Dated 23/02/2016.
8. T.O Letter No. CEE/SLDC/PTCC/F-2359/14606-07 Dated 28/01/2017.
9. Letter No.SR-PTCC/KNK/2982/12 Dated 09/02/2017 issued by DE, PTCC, Chennai.
10. T.O Letter No. CEE/SLDC/PTCC/F-2359/15839-41 Dated 15/02/2017.
11. Letter No.SR-PTCC/KNK/2982/16 Dated 25/06/2018 issued by DE, PTCC, Chennai.
12. T.O Letter No. CEE/SLDC/PTCC/F-2359/6069-72 Dated 30/06/2018.
13. Letter No.SR-PTCC/KNK/2982/18 Dated 10/10/2018 issued by DE, PTCC, Chennai.

With reference to the above, the said PTCC proposal was received vide under letter reference (1), and same was processed vide under letter reference (2), the said case has been held up for want of some clarifications of the LILO of 220KV MC line from existing 220KV SC line. In this regard several letters were received by DE, PTCC, Chennai for clarification. In spite of several reminders to furnish clarification vide this office letters under references, till date desired information has not been received from your end.

Page No. 01/02



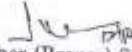
PAGE No-II

Finally DE, PTCC, Chennai has recommended for closer of the case as per the direction of AGM, PTCC, Jabalpur as the cases for more than 2 years are to be closed.

If it is felt that, the power line proposals are still in existence and Route Approval is required, the fresh proposal may be submitted with all the relevant details as per PTCC guidelines.

Hence, the said PTCC proposal has been closed / dropped from the existing pending PTCC case list.

Yours faithfully,


Member (Power) SLPTCC &
Chief Engineer (Electricity),
SLDC, KPTCL, Bengaluru-09.

Copy to the,

1. The Divisional Engineer (Telecom), PTCC, T&D Circle, #26, First Floor, Raj Bhavan Telephone Exchange, Sardar Patel Road, Guindy, Chennai - 600 032, for information.
2. The Chief General Manager Telecom, Karnataka Circle, # 1, Swami Vivekananda Road, Ulsoor, Bengaluru-560 008, for information.
3. The Sub Divisional Engineer, PTCC, T&D Circle, IIIrd Floor, City Exchange, BSNL, Sampangiramanagar, Bengaluru for information.
4. The Executive Engineer (Elecl), Major Works Division (South/North), KPTCL, A.R. Circle, Bengaluru for information.

Copy for information,

✓ The Director (PTCC), CEA, LD&T Division, NREB Complex, # 18, 'A' Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi.

OC/MF

AGENDA FOR CLPTCC-107 MEETING DTD.14-12-18

(1) Power line length < 0.8 kms.

For PTCC proposals of Power lines/ cables having length < 0.8 kms., PTCC RAC should be directly issued by DET (PTCC) since construction work gets completed in very short period. Though a copy of complete set of PTCC proposal will be sent to concerned authorities i.e. CEA, DET, Railways, BSNL field and Defense for intimation.

As per PTCC Manual 2010, Telecom details are not to be called for Power lines/ cables having length < 0.8 kms but DET insists for Railway's RD and Defense NOC followed by IV calculation, Railway's NOC on IV etc. This whole process takes at least 4-5 months if informations flow smoothly.

Cases

1. 132kV DC line, LILO on 110kV Kolhapur II - Dudhaganga line for proposed Co-generation plant of M/s Reliable Sugars & Distillery Power Ltd, at Vill. - Rarale, 0.367 kms. (Initiatin date - 25-10-18)
2. Reorientation (Loc. No. 4 to 11) work of existing 132kV Daund-Daund TSS DC line, 0.818kms. (1-10-18)
3. 132kV DC line, LILO on existing 132kV Ganeshkhind - Khopoli line at proposed 132kV S/s of M/s Giriraj enterprises, Kamshet, 0.05kms. (7-8-18)

(2) IV < 430 V

For PTCC proposals of Power lines/ cables for which Induced Voltage (IV) of Railways as computed by CEA/ MSETCL is within safe limit, PTCC RAC should be issued by DET (PTCC) without waiting for NOC on IV values from Railways. It is because DET (PTCC) issues PTCC RAC only when Railways NOC on IV is received to office which again takes 2 months time if informations flow smoothly.

1. 132kV SC/DC line from existing 132kV Ozar S/s to proposed 132kV Solar (15MW) Plant S/s at site: HAL township, Taluka:Niphad, Dist.: Nashik in r/o of M/s Hindustan Aeronautics Ltd., 1.39 kms. (IV sent on 6-9-18, Railways max. IV=Out of Consideration zone)

(3) Clearance Time limit

For PTCC proposals of Power lines/ cables for which total PTCC clearance exceeds the stipulated time period i.e 132kV & below = 17 weeks, 220kV & above = 19 weeks, CEA may certify such cases for release of PTCC RACs by concerned DETs. (Annex.-1)

(4) TD details by DET

Of late, it is observed that PTCC cases are pending mostly for want of TD by DET(PTCC) Mumbai. At present the practice is that SDE from DET (PTCC) office visits field for each and every individual cases for telecom marking causing delay in forwarding TD to CEA/MSETCL for IV computation. Rather, BSNL field offices should mark telecom details and send it to DET office for compilation and further processing as rightly depicted in PTCC Manual 2010.

It is therefore requested that CEA/DETs may impart a training session for BSNL field offices for 'How to mark telecom cables in topo sheet as per the guidelines given in PTCC Manual 2010' i.e. considering the soil resistivity, length of telecom cable, separation distance etc.

MSETCL has already intimated this to DET vide letter no.4272, Dtd.18-4-2018 with copy to CEA.

(5) Re-orientation of PTCC approved power line

For already approved EHV lines with PTCC RAC, if there is re-orientation of same for various reasons which involves minor diversions in the existing route, the PTCC re-approval for re-orientation may be waived. The length for minor diversion should be fixed in this meeting.

1. *Diversion work of 220kV overhead lines emanating from 220kV Baramati S/s by using underground cables at Baramati, 1.5 kms.*
2. *Reorientation (Loc. No. 4 to 11) work of existing 132kV Daund-Daund TSS DC line, 0.818kms.*

(6) Online Registration

MSETCL is trying to get registered online for the last 4 years or so for online processing of PTCC cases for better transparency. CEA is requested to look into matter personally in this regard.

(7) Correspondence

All concerned Authorities i.e. CEA, DETs, Railways, Defense should make use of e-mail and Rapid Post Acknowledgement Due (RPAD) for any correspondence i.e. dispatching letters with Power Authorities. MSETCL is not receiving marked topo sheets by Railways/DETS sent through normal post.

MSETCL is also not receiving IV calculated by CEA for 220kV & above EHV lines' PTCC proposals nor telecom / railways details from concerned DET, PTCC/Railways. Thus the pendency level at which the case is actually struck is ambiguous to Power Authorities.

FN: *Further agenda points will be given as additional agenda points in future, if needed.*

ANNEXURE-XXVIII (Pg3/3)

Annexure - 1

S.No.	EHV line	MSETCL Ltr. No./DL		Remark
1	132 kV Balapur-Jalgaon Jamod DCDC Line	13495	19-12-2016	*TD awaited from DET for IV calculation by MSETCL.
2	Reorientation of 132 kV Akola-Paras DCDC line.	13625	26-12-2016	*TD awaited from DET for IV calculation by MSETCL.
3	220kV LILO on Paras - Balapur MC line for 220kV Malkapur DCDC line	8620	02-08-2017	*TD awaited from DET for IV calculation by CEA
4	132kV SCDC line from proposed 80MW (50+30MW) Solar Park in r/o Solar Edge Energy Pvt. Ltd. at Mhatargaon (Malanathpur) to 132kV Pangari S/s, Tal. Parli, Dist. Beed	1115	30-01-2018	*TD awaited from DET for IV calculation by MSETCL
5	220kV Badnera - Ner(Renukapur) DC line	1520	07-02-2018	*TD awaited from DET for IV calculation by CEA
6	132kV LILO on 132kV Malkapur - Khadka line for proposed 220kV Malkapur s/s	1521	07-02-2018	*TD awaited from DET for IV calculation by MSETCL.
7	132kV MC line, LILO (Reorientation) of 132kV Paras-Malkapur and Malkapur-Khanggaon lines on MC tower for proposed 220kV Malkapur S/s	1522	07-02-2018	*TD awaited from DET for IV calculation by MSETCL.
8	220kV DC line, LILO on 220kV Deepnagar - Amalner line (Ckt.- II) for proposed 220kV Viroda S/s	2746	13-03-2018	IV awaited from CEA for RAC by DET
9	132kV DC line from Chandurbazar S/s to 132kV Chandurbazar TSS S/s	3242	23-03-2018	*TD awaited from DET for IV calculation by MSETCL.
10	132kV DC line from 132kV Gangakhed to 60MW Solar Project of M/s MH Parbhani Power & M/s Flexirural Urja Jalgaon Ltd. at Village - Dhangar Moha, Tal. - Gangakhed, Dist. Parbhani (JNNSM Ph-II, Batch-IV, Tr.-II, GOI)	4485	23-04-2018	*TD from DET for IV calculation by MSETCL.
11	132kV DC line from 132kV Mul to proposed 132kV Railway TSS at Mul Marora	5583	21-05-2018	*TD awaited from DET for IV calculation by MSETCL.
12	132kV DC line, LILO on existing 132kV Amravati - Morshi SC line for existing 220kV Nandgaon Peth S/s	7133	22-06-2018	*TD awaited from DET for IV calculation by MSETCL. (Defense NOC awaited)
13	132kV SCDC line from existing 132kV Ozar S/s to proposed 132kV Solar (15MW) Plant S/s at site: HAL township, Taluka:Niphad, Dist.: Nashik in r/o of M/s Hindustan Aeronautics Ltd. under JNNSM Ph.-II/III,	7237	26-06-2018	NOC on IV from CR awaited for RAC by DET
14	132kV SCDC line from existing 220kV	7982	17-07-2018	*TD awaited from DET for IV calculation by MSETCL.
15	132kV Dhad - Bhokardhan DC link line,	7981	17-07-2018	*TD awaited from DET for IV calculation by MSETCL.

*Cases are pending only for TD from DET(PTCC), Mumbai. Defense and Railways details have been received long back for some cases.

Remark: The pending cases have been pursued with DET(PTCC), Mumbai through letters and meetings.

ANNEXUR-XXIX

MPPTCL

Para No.	Name of Power Line	Mumbai Case Mark	Comments of DE PTCC Mumbai
A.1.	LILO of 400KV Seoni-Bhilai DCDS line at proposed 400/132KV S/s Kirnapur.	MP-519	IV awaited from CEA .
A.2.	440KV DCDS line from 400KV S/s Ashta to 400KV S/s Ujjain	MP-542	TD from BSNL, RD/NOC from WR awaited since 26.04.2018
A.3.	400KV DCDS line from Shri Singaji (TPS-II) 400KV S/s to Pithampur 400KV S/s	MP-555	TD from BSNL, RD/NOC from WR/WCR
A.4.	400KV DCDS line from Shri Singaji (TPS-II) 400KV S/s to Pithampur 400KV S/s	MP-563	TD from BSNL, RD/NOC from WR awaited
A.5.	400KV DCDS line from Shri Singaji (TPS-II) 400KV S/s to Pithampur 400KV S/s	MP-574	TD from BSNL, RD/NOC from WR awaited since 01.11.2018
B.1.	220 kV DCSS line from 220 kV S/s Rajgarh(Dhar) to 100 MW Wind Energy Power Plant of M/s Clean Wind Power (Ratlam) Pvt. Ltd. (Earlier M/s Hero Future Energy Ltd.) at Badnawar, Distt.-Dhar	MP-440	IV from CEA awaited .
B.2.	220 kV DCSS Shujalpur-Narsingarh line from existing 220 kV S/s Shujalpur to 132 kV S/s Narsingarh	MP-441	IV from CEA awaited
B.3.	220KV inter connector from 400KV S/s (PGCIL) Betul to 220KV S/s Betul (MPPTCL)	MP-482	RAC issued on 02.11.18
B.4.	LILO of both circuits 220 KV Satna-Chhatarpur line at 400 KV S/s (PGCIL) Satna.	MP-491	IV from CEA awaited
B.5.	LILO of both circuits of 220KV Malanpur-Mehgaon DCDS line at proposed 400/220KV S/s CWRTL, Morena (Rithora)	MP-459	RAC issued on 01.01.18
B.6.	LILO of 220KV Malanpur to Mehgaon DCDS line at proposed 400/220KV S/s CWRTL Morena (Rithora).	MP-512	RD/NOC from NCR awaited since 15.12.17 & IV from CEA awaited
B.7.	LILO of 2nd Circuit of 220KV Birsinghpur-Amkantak line at 220KV S/s Shahdol.	MP-521	TD from BSNL awaited

B.8.	LILO of 2nd Circuit of 220KV Birsinghpur-Amarkantak line at 220KV S/s Shahdol.	MP-518	RAC issued on 30.11.18
B.9.	220KV DCDS line from 400KV S/s Julwania to proposed 220KV S/s Kukshi (132KV being upgraded to 220KV).	MP-539	TD from BSNL awaited RD/NOC from WR awaited
B.10.	LILO of both Circuit of 220KV Badnagar-Ratlam DCDS line at at proposed 400KV S/s Badnagar.	MP-538	RD/NOC from WR awaited . IV from CEA awaited
B.11.	LILO of 2nd Circuit of 220KV Bansagar-I to Satna line at at 220KV S/s Kotar.	MP-530	IV from CEA awaited
B.12.	220KV DCDS line from 400KV S/s Khandwa (PGCIL) to proposed 220KV S/s Chhanera.	MP-529	IV from CEA awaited
B.13.	LILO of both Circuit of 220KV Badod/Bhanpura/Kota/Modak DCDS line at 220KV S/s Suwasra.	MP-535	IV from CEA awaited
B.14.	Diversion of 220KV DCDS Ratlam-Daloda line from Tr. No. 234 to 220KV S/s Daloda	MP-554	TD from BSNL, RD/NOC from WR awaited s
B.15.	LILO of 2nd Circuit of 220KV line from Nagda (400KV) to Neemuch (220KV) at 220KV S/s Daloda	MP-552	TD from BSNL awaited
B.16.	220KV DCDS line from 220/33KV P/s at 250MW Solar PV Units at Sector Ramngar proposed by MPNRED & RUMS Ltd. To 400KV Grid S/s to be created by PGCIL (Gurh)	MP-560	IV from CEA awaited
B.17.	220KV DCDS line from 220/33KV P/s at 250MW Solar PV Units at Sector Barsaita Dsh proposed by MPNRED & RUMS Ltd. To 400KV Grid S/s to be created by PGCIL (Gurh)	MP-559	IV from CEA awaited
B.18.	220KV DCDS line from 220/33KV Pooling S/s at 250MW Solar PV Units at Sector Badwar proposed by MPNRED & RUMS Ltd. to 400KV Grid S/s to be created by PGCIL (Gurh)	MP-561	IV from CEA awaited
B.19.	220KV DCDS line from Betul (220KV S/s) to proposed (220KV S/s) Gudgaon.	MP-567	TD from BSNL awaited
B.20.	220KV DCDS line from Sabalgarh (220KV S/s) to proposed (220KV S/s) Sheopur.	MP-562	TD from BSNL awaited
B.21.	LILO of 220KV DCDS line from Indore-II (Jetpura S/s) to proposed 765/400KV S/s Indore (PGCIL)	MP-565	RD/NOC from WR awaited . IV from CEA awaited

B.22.	2nd Circuiting of 220KV DCSS line from 220KV S/s Satna to 220KV S/s Chhatarpur	MP-569	TD from BSNL, RD/NOC from NCR awaited
B.23.	220KV DCDS line from proposed 40/220 KV S/s Badnagar to proposed 220KV S/s Kanwan under phase-I project of Green Energy Scheme of MNRE GoI	MP-	TD from BSNL, RD/NOC from WR awaited
B.24.	220KV DCDS line from Dhar to proposed 220KV S/s Kanwan under phase-I project of Green Energy Scheme of MNRE GoI	MP-	TD from BSNL, RD/NOC from WR awaited

ANNEXUR-XXX

GETCO, GUJRAT:

SL NO	DETAILS OF POWER LINE	CEA CASE	REMARKS
1	220KV D/C & M/C LILO Savarkundala –Otha line No.2.*	GUJ-689	IV received but NoC awaited from WR
2	220KV D/C Otha-Sagpara line	GUJ-672	IV received but NoC awaited from WR
3	400 KV D/C Kosamba--Choraniya		IV values received from CEA on 16.6.14, but incomplete.
4	400 KV LILO line from 1st CCT of 400 KV D/C Kosamba-Choraniya line at 400 KV Sanand II S/S (GIDC) with ACSR Twin Moose Conductor.		BSNL TD sent to CEA on 21/05/18.
5	220 KV D/C Gavasad - Bhayali Line		New registration. work in progress.
6	220 KV M/C & D/C tower line from Wind Farm of Inox renewable Ltd (IWISL)at S/S Sukhpar to 400 KV Amreli S/S.	GUJ-696	IV awaited from CEA
7	220 KV LILO to Kawant S/s from 220 KV Vyankatpura - Achhaliya Line No.1		Work in progress.
8	220 KV LILO LINE at220 KV Rajula S/S from 220 KV GPPC-Dhokadava line.	GUJ-734	BSNL, Railways, & Defence pending.
9	400KV D/C Varsana- Hadala	GUJ-624	IV received but NoC awaited from WR.
10	220KV D/C Lilo to Kukma from Anjar- Panandhro ccts no 2	GUJ-601	IV issued by CEA on 30.06.2009, but IV not received at DE PTCC Mumbai office.
11	400KV D/C Mundra-Zerda	GUJ-644	IV calculation issued by CEA on 3.3.15 but Western Railway required copy of proposal as file is not traceble in their office
12	220 KV D/C LILO to PS-2(of SSNNL- Nani Hamirpar from 220 KV Shivilakha- Deodar line Tal-Rapar Dist.-Kachchh Gujarat.	GUJ-678	IV received but NoC awaited from WR.
13	220 KV LILO of both circuit to proposed 220 KV Amod S/s from 220 KV D/C Mobha-Mangrol Line.		Work in progress.

14	220 KV D/C + 220 KV M/C tower line with AL-59 Conductor from 220 KV OPG Project Bhadeshwar - 400KV Varsana (Tappar)	GUJ-667	NoC awaited from WR
15	400 KV LILO to Vav GIS from existing 400 KV Zantor - Navsari Line.		New registration. work in progress.
16	220KV LILO Vondh from 220KV Tappar-Hadala line	GUJ-723	IV AWAITED FROM CEA
17	220 KV LILO at 400 KV Bhachunda S/S from 220 KV Akrimota TPS-Nakhatrana line.	GUJ-735	IV AWAITED FROM CEA
18	400 KV D/C Bhachunda- Varsana line.	GUJ-722	BSNL TD Pending.
19	400 KV D/C Mudra-Zerda Line No.1	GUJ-739	BSNL, Railways, & Defence pending.
20	220KV D/C Mobha-Mangrol	GUJ-743	Western Railway required copy of proposal as file is not traceble in their office
21	220 KV LILO of both circuit to proposed 220 KV Valenja S/s from 220 KV D/C KIM-GSEG-Mora Line.	GUJ-744	BSNL, Railways, & Defence pending.
22	220KV D/C Kansari - Thavar line	GUJ-588	Incomplete IV recd.ltr send to CEA on 1.5.15
23	220KV D/C Tharod -Deodar line	GUJ-702	IV awaited from CEA
24	400 KV LILO to 400 KV Veloda S/S from 400 KV Vadavi- Zerda Line	GUJ-741	BSNL TD SEND 21.5.18.IV awaited
25	220 KV D/C Radhanpur-sankhari(Veloda) line on D/C tower with D/C AL-59 Conductor	GUJ-	BSNL TD SEND 21.5.18.IV awaited .
26	400 KV D/C Mudra-Zerda line -2 to LILO at 400 KV Charanka S/S Line-2 on D/C & M/C tower with Twin Moose Conductor	GUJ-756	BSNL TD SEND 27.6.18.IV awaited from CEA.
27	220 KV LILO of both Circuit of 220 KV D/C Nyara - Tebhda line at 220 KV Motigop s/s with AL-59 Conductor on M/C tower.		Work in progress.
28	400 KV D/C Wanakbori TPS – Soja Line with AL-59 Conductor	GUJ-720	TD from BSNL , NOC from WR , EPR detail from CEA are awaited
29	220 KV D/C Vyankatpura - Waghodiya line	GUJ-752	TD from BSNL , NOC from WR , EPR detail from CEA are awaited
30	220 KV D/C Jamnagar – hadala with line AL-59 Conductor.	GUJ-704	IV AWAITED FROM CEA
31	400 KV D/c LILO at Kalawad S/S from 400 KV Vadinar - Hadala line on Twin Moose Conductor.	GUJ-738	TD from BSNL , EPR detail from GETCO are awaited
32	220 KV D/C LILO at 400 KV Kalawad S/S from 220 KV Nyara-Tebha line with AL-59 Conductor.	GUJ-731	BSNL TD awaited.

33	220 KV LILO of both Circuit of 220 KV D/C Nyara - Tebhda line at 220 KV Motigop s/s with AL-59 Conductor on M/C tower.	GUJ-742	BSNL TD awaited.
34	220 KV D/C Motipaneli - sardargadh line	GUJ-758	BSNL TD awaited.
35	220 KV D/C line from Halvad-Sadla.	GUJ-676	IV recd but NOC awaited from WR
36	220 KV D/C Jambuva - waghodiya(765 KV PGCIL) line		Work in progress.
37	220 KV Line from 220 KV Shri Maruti Wind Park India Ltd. S/s to 220 KV Sadla S/s with AL-59 Conductor.	GUJ-733	TD from BSNL , NOC from WR , EPR detail from CEA are awaited
38	220 KV LILO line from 220 KV Choraniya - Salejada line	GUJ-730	TD from BSNL , NOC from WR , EPR detail from CEA are awaited
39	220KV D/C Sankhari- Jangral line	GUJ-703	IV awaited from CEA
40	400 KV LILO to Vav GIS from 400 KV Ukai - Kosamba line.		New registration.work in progress.
41	220 KV D/C Choraniya - Salejda line with AL-59 conductor		New registration.work in progress.
42	220 KV S/C line from Mokha to M/s Chromeni Steel Pvt. Ltd. On AL-59 Conductor.		New registration.work in progress.
43	220 KC D/C Botad - Choraniya line with AL-59 Conductor.		New registration.work in progress.
44	220KV Kaor-Botad and 220Kv S/C Karamsad(Now Dhuvaran)-Vartej line LILO at 400KV Pachham		New registration.work in progress.
45	400 KV LILO at Dehgam from 400 KV Wanakbori- Soja Line	GUJ-737	TD from BSNL , NOC from WR , EPR detail from CEA are awaited
46	400 KV D/C Soja- Zerda line	GUJ-732	TD from BSNL , NOC from WR , EPR detail from GETCO are awaited
47	220 KV LILO at one circuit of 220 KV D/C Gandhinagar - Chhatral line at 400 KV Vadavi S/S.	GUJ-	TD from BSNL , NOC from WR
48	400 KV Vadavi- Halvad Line on AL-59 Conductor	GUJ-727	IV awaited from CEA
49	220 KV LILO Dhuvaran from 220 KV Kasor – Botad Line .	GUJ-724	IV awaited from CEA
50	220 KV Line from from 400 KV Kasor S/S to 220 KV DFCC Heranj Railway S/S.	GUJ-725	IV awaited from CEA
51	220Kv DC line from 400kv Vadavi ss to proposed 220kvDFCC Sanand Railway ss with ACSR zebra conductor, Karamsad-Ranasan line at Barejadi ss with ACSR Zebra conductor	GUJ-746	TD from BSNL , NOC from WR , EPR detail from CEA are awaited

52	220Kv LILO line of sc. Of 220kv dc Karamsad-Ranasan line at Barejadi ss with ACSR Zebra conductor	GUJ-747	TD from BSNL , NOC from WR , EPR detail from CEA are awaited
53	400 KV D/C line from 400 KV Kosamba to 400 KV Choraniya S/S LiLO at 400 KV Pachham S/S Village Fedra.	GUJ-753	TD from BSNL , NOC from WR , EPR detail from CEA are awaited
54	400 KV D/C line from Wanakbori TPS Unit-8 to existing switchyard at wanakbori TPS(Inter link between Switchyard) with Twin AL-59 conductor.	GUJ-751	TD from BSNL , NOC from WR , EPR detail from GETCO are awaited
55	220KV D/C LILO to Vav-Ukai line for Mota	GUJ-	Western Railway required copy of proposal as file is not traceble in their office
56	220KV D/C Bhilad- PGCIL (Ambheti)*	GUJ-	IV detail from CEA are awaited
57	220 KV Lilo from 220KV Navsari- Vav for 220KV Popada s/s.	GUJ-651	Sign copy of questionnaire, EPR detail of existing s/s from GETCO are awaited
58	220KV D/C Tower with OPGW Cable for evauation of 250 MW wind power generation from M/S- Opera Wind Pvt- Ltd-pooling station at village- Patan, Ta- Jamjodhpur, to 220KV Moti Paneli sub-station		NOT REGISTERED.
59	220KV Bhilad-Sarigam line		NOT REGISTERED.
60	220 KV LILO to 220 KV Wankaner S/s from 220 KV Hadala - Sartanpar Line	GUJ-736	TD from BSNL , NOC from WR , EPR detail from GETCO are awaited
61	400 KV D/C Amreli-Vadinar line with ACSR TWIN MOOSE Conductor.	GUJ-745	TD from BSNL , NOC from WR
62	220 KV LILO at 220 KV Wankaner S/s from 220 KV S/C Lalpur - Sartanpur line.	GUJ-750	TD from BSNL , NOC from WR , EPR detail from CEA are awaited

ANNEXUR-XXXI

KARNATAK STATE POWER TRANSMISSION COMPANY LIMITED (KPTCL) :

Sl No	Case No	Name of Power line	Remarks by DE PTCC Chennai
1	F2463/S KT-1382	Proposed 400kv Partly MC / DC line on MC / DC towers from the existing 400kv SS at YTPS to the proposed 400/220kv Pooling Station at Kalaburgi near Firozabad Village in Kalaburgi Taluk & District.	IV Values awaited from CEA.
2	F2468/S KT-1370	Proposed 220 KV LILO line from existing 220 KV Somanahalli-Yarandanahalli SC line to proposed 220/66 KV Jigani SS in Bangalore District.	IV Values awaited from CEA.

3	F2473/S KT-1483	Proposed 220kV DC line from the proposed 400/220kV SS at Firozabad Village to the proposed 220/110/11kV SS at Ganagapur (Nimburga) in Aland Taluk, Kalaburgi District.	IV Values awaited from CEA.
4	F- 2615/SK T-2022	Proposed 220 KV DC LILO line on MC towers from existing 220KV DC T.K.Halli-Madhuvanahalli DC line to proposed 220/66/11 KV R/S at Shivanasamudra (Hebbani village) in Malavalli Tq, Mandya District.	IV Values awaited from CEA.
5	F2712/S KT- 2005	Proposed 400KV Quad Moose DC line from existing 400KV Station at Ballari Pooling Station to proposed 400/220KV Gas Insulated Station at Hiremallanahole [on the existing corridor of 400KV DC line on MC towers from Ballari Pooling Station to location No.34/7 of BPS to Vasanthanarasapura 400KV DC line on MC towers & 400 KV DC line on DC towers from location No.34/7 to proposed 400/220 KV GIS] in Jagalur Taluk, Davanagere District.	IV Values awaited from CEA.
6	F2743/S KT- 2069	Proposed 20 No's of 220KV DC Line from existing 220/66/11KV KPTCL SS at Puttenahalli (D.G.Plant) Yelahanka to proposed KPCL 220KV Gas Power Plant at Puttenahalli in Yelahanka Bangalore Urban District	IV Values awaited from CEA.
7	F- 2747/SK T-2084	Proposed 220 KV DC LILO line on M/C towers from existing 220KV DC RTPS-Sedam line to proposed 220/66/11 KV Ram Samudra SS in Yadgir Taluk & District.	IV Values awaited from CEA.
8	F1934/K NK/ AR-555	Regularisation of exiting 66KV DC line from existing 220/66KV Peenya station to existing 220/66 KV Hebbal SS in B'lore (U) district.	This case is not available in portal pending cases list both in offline or in online. Hence the same is to be uploaded by KPTCL in portal for further issue of RAC. It is discussed and KPTCL is agreed to upload in the SLPTCC meeting held on 17/11/2018.

9	F2424/S KT-1249	Proposed 220 KV SC line on DC towers from the existing 220/66 KV SS at Ayyanahalli (under Construction) to the existing 220/11 KV SS at BMM Ispat Limited (HKT Mining Pvt Limited) in Hospet taluk, Bellary District.	Topo maps handed over to Bellari SSA by KPTCL in SLPTCC meeting held on 17.11.2018 for marking of Telecom details as Bellary SSA field unit misplaced the topomaps already sent by KPTCL. Also Bellary SSA assured to send TD before 10th of Dec18.
10.	F2675/S KT-2016	Proposed 220KV DC line using Drake ACSR Conductor from 400/220KV Guddadahalli SS to Proposed 220/110KV Koppal Receiving Station for distance of 11.323 Kms in Koppal District.	BSNL TD sent to CEA/New Delhi for Induced voltage calculation on 13/08/2018.
11.	F2701/SK T-2017	Proposed 220 KV 1000 Sq mm UG cable LILO from the existing 220KV Hoody-Peenya DC lines to the proposed 220/66KV HBR GIS Station in the premises of existing 66/11KV HBR Station, Hennur Main Road, Urban District, Bengaluru.	BSNL TD sent to CEA/ New Delhi for Induced voltage calculation on 27/02/2018.
12.	F2764/S KT-2140	Proposed 220KV DC line from proposed (Under Construction) 400 KV SS at Jagalur (Hiremallaahole) to the existing 220KV SS at Chitradurga in Chitradurga District.	Davanagere SSA assured to submit TD before 1st week of Dec 18.
13.	F2765/S KT-2141	Proposed 220KV DC line from proposed (Under Construction) 400 KV SS at Jagalur (Hiremallaahole) to the existing 220KV SS at Thallak in Chitradurga District.	BSNL Telecom details sent to CEA on 28/11/2018.
14	F2776/S KT-2156	Proposed 220KV DC LILO line from existing 220KV Shimoga-Antharasanahalli (B1-B2) lines near Bettadahalli Village in between Tower No 134 & 135 to the proposed 220KV RNS Pump House-II SS in Bettada Tavarekere Village, Tarikere Taluk, Chikkamagaluru District.	Chickmangaluru SSA BSNL TD is pending & SSA assured that TD will be sent at earliest.
15.	F2751/SK T-2090	Proposed 400 KV Double LILO line from existing 400 KV D/C UPCL Plant, PGCIL ,Shanthigrama line to proposed 400/220 KV Station at Hebbanahalli village (DC-4) for Yettinahole Integrated Drinking Water Supply Scheme in Hassan District.	Though the length is less than 800 mts, BSNL TD to be sent for IV Computation as per CEA's oral instructions. BSNL TD will be forwarded on receipt from Hassan SSA.
16.	F2754/S KT-2111	Proposed 220 KV D/C line on D/C towers from proposed 400/220 KV S/S Kalaburgi near Firozabad village in Kalaburgi taluk, Kalaburgi taluk, Kalaburgi District to existing 220/110 KV R/S at Kapnoor at T.No. 409 of existing 220 KV Shahapur to Kapnoor D/C line Corridor at Kapnoor end in Kalaburgi District.	CR Rly TD pending. Defence NOC and BSNL TD fwd to CEA on 26/07/18 and 27/7/18

17.	F2755/S KT-2112	Proposed 220 KV D/C line on D/C towers from proposed 400/220 KV S/S Kalaburgi near Firozabad village in Kalaburgi taluk, Kalaburgi taluk, Kalaburgi District to existing 220/110 KV R/S at Kapnoor at T.No. 409 of existing 220 KV Shahapur to Kapnoor D/C line Corridor at Kapnoor end in Kalaburgi District.	Central Rly NOC is pending. Defence NOC on 26/07/2018 and BSNL TD fwd to CEA on 19/06/2018.
18.	F2502/S KT-1615	PTCC Proposal for the Construction of Proposed 220KV UG Cable (SC) route with one spare cable from Existing 220/110/33/11KV SS at Mangalore SEZ area in Bajpe to the proposed 220KV station SS of M/s JBF PETRO Chemicals Limited in Mangalore Taluk & District.	CEA comments recd. Rly IV sent to Konkan Rly by CEA on 18.10.2018. RAC will be issued on receipt of RLY NOC .Konkan Railway NOC to be issued.

ANNEXURE-XXXII

KARNATAK STATE POWER TRANSMISSION COMPANY LIMITED (KPTCL) :

Pending at BSNL for want of work completion report for GD Tube protection as GD Tube Protection recommended at the cost of BSNL & Assets clearance

SI No	Case No	Name of Power line	Remarks of DE PTCC Chennai
1	F- 458 /KNK- 1397	220KV DC line from Hoody to HAL SS in the existing corridor of 66KV SC line.	Karnataka Circle office informed that all the three cases will be cleared before 30/11/2018
2	F- 2299/KN K-2949	Proposed 220 KV LILO line from existing 220KV Hoody-Peenya DC line to proposed 220/66 KV D.G.Plant (Puttenahalli) Substation partly in existing 66 KV Peenya-D.G.Plant 3 & 4 DC line corridors on MCMV towers in Bangalore District.	
3	F2073/ SKT- 2673	Proposed 220 KV DC line from proposed 400/220 KV PGCIL GIS station at Bidadi to proposed 220/66KV Magadi Station in Bangalore Rural District.	
4	F2409/SK T-1194	Proposed 220 KV LILO line from existing 220 KV Kothipura-Tubinakere DC line to proposed 220 KV SS at Channapatna in Bangalore Rural District.	
5	F2383/SK T-3003	Proposed 220kV Dc line from the existing 400/220kV HVDC Receiving Station at Kolar to the proposed 220/66/11kV Receiving Station at T.Gollahalli in Bangarapet Taluk, Kolar District.	
6	F2446/SK T-1337	Proposal for regulation of existing 220/66kV SS at Hiriyur with 220 KV LILO line from the existing 220 kV SC line between Hiriyur PGCIL - Gowribidanur in Chitradurga District.	

7	F2763/SK T-2135	Proposal for construction of 220KV DC Line from proposed (Under process) 400/220KV SS at Jagalur (Hiremallanahole) to ongoing (under process) 220/66 KV SS at Kudligi in Ballari District.	
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ANNEXURE-XXXIII

KERAL STATE ELECTRICITY BOARD :

Sr. No	Case NO .	Name of Power line	Comments by DE PTCC Chennai
1.	KER - 329	220/110 kV line from Brahmapuram to Thuthyoor and 220 kV Cable from Thuthyoor to Kaloor	Joint inspection by BSNL and power was conducted and discussed in the SLPTCC meetings conducted on 25-04-2018 and 24-07-2018 about the SNL assets in very close proximity. As decided in the meeting, KSEB submitted a topomap for the revised route on 04-10-2018. Revised BSNL TD awaited from ERNAKULAM SSA and will be discussed in the next SLPTCC meeting on 23-11-2018. (SKL-1726)
2.	KER - 330	220 kV D/C line through multi circuit Multi Voltage (220 kV and 110 kV) towers from proposed 220 kV substation Kothamangalam to a location Karukadam to connect the existing Moolamattom (Idukki) substation	KSEB submitted the proposal with revised nomenclature of the line on 07-11-2017. Case was registered on 23-11-2017 and BSNL TD sent to CEA/New Delhi on 18-04-2018 for IV computation. Also both BSNL and KSEB have been addressed on 19-04-2018, to ascertain the distance of the existing BSNL cables of Kothamangalam Exge from the Kothamangalam SS as the EPR zone of Kothamangalam SS furnished by KSEB is 1.238 Km for 650 volts range
3.	KER - 326	Construction of 220 kV DC line from 400 kV PGCIL Pallikkara substation to proposed 220 kV substation Aluva	(SKL-2082)- BSNL TD awaited from ERNAKULAM SSA. Discussed in the last SLPTCC Meeting.
4.		Up-gradation of 220kv Madakkathara-Areecode 220kv SC line to 440/220 kv MCMV line and Up-gradation of 110kv Kizhissery- Tapnallalam DC line to 220/110 kv MCMV line.	Since two proposals were combined in one request, KSEB was requested on 17-04-2018 to submit separate proposal for each case with correct nomenclature.
5.		Construction of 400KV DC line from 400 KV substation Madakkathara to Areecode substation .	This has reference to request no 104211 under Sl.no (4). KSEB submitted two separate proposals. Cases not yet registered due to discrepancies in the proposal. KSEB addressed on 14-11-2018.
6.		Construction of 220KV DC line from new HVDC substation Madakkathara to Nallalam	

		substation via Malaparamba substation. .	
7.		Up-gradation of Pallivasal-Aluva 66KV DC line to 220/110 KV multi circuit multi voltage line with one circuit LILO at Kothamangalam substation.	Original request raised by KSEB on 12-04-2018. Queries called from KSEB by DE(PTCC) on 28-04-2018. KSEB submitted revised documents on 05-11-2018. Case not yet registered due to discrepancies in the proposal. KSEB addressed on 14-11-2018.

ANNEXURE-XXXIV

Telengana state Power Transmission company Limited (TSTRANSCO) :

S. No	UniqueReg.No	ROUTE_NAME	Remarks by DE(PTCC), Chennai
1	STS201120 171920	Erection of 220kV Single Moose DC line from proposed 400/220 KV SS Julurupadu to proposed 220/132/33 kV SS Kalluru in Khammam District	BSNL TD awaited from Khammam SSA. Discussed in the SLPTCC meeting and DGM QA & INSP CIRCLE, Chennai also has addressed letter to Member (Telecom), SLPTCC, Hyderabad on 23-08-18 and 24-10-18 for immediate submission of BSNL TD.
2	STS180520 182117	220KV DC line (22 Km) from proposed 400KV SS Asupaka to proposed 220/132KV SS Aswaraopeta in Khammam District	BSNL TD awaited from Khammam SSA. Discussed in the SLPTCC meeting and DGM QA & INSP CIRCLE, Chennai also has addressed letter to Member (Telecom), SLPTCC, Hyderabad on 23-08-18 and 24-10-18 for immediate submission of BSNL TD.
3	STS190520 182124	Erection of 220kV DC line (82.956 KM) from 400/220kV SS Dichpally to proposed up-gradation of 220/132kV SS Banswada in Nizamabad District on Turnkey basis	BSNL TD awaited from Nizamabad SSA. Discussed in the SLPTCC meeting. Also DGM QA & INSP CIRCLE, Chennai has addressed letter to Member (Telecom), SLPTCC, Hyderabad on 23-08-18 and 24-10-18 for immediate submission of BSNL TD.
4	STS250620 182145	220KV DC line from 400/220KV SS Jangaon to 220/132/33KV SS Jangaon	CEA comments received on 08.11.2018 and SC Rly NOC recd on 16.11.2018. RAC is under issue.
5	STS260720 182176	Erection of 220KV DC Line (4.976 km) with multi circuit towers from the proposed 400/220KV Sub-station Nirmal to the existing 220 / 132KV Nirmal Sub-station in Adilabad District	BSNL TD awaited from Adilabad SSA. SC Rly NOC submitted on 29.08.2018. Discussed in the SLPTCC meeting. Also DGM QA & INSP CIRCLE, Chennai has addressed letter to Member (Telecom), SLPTCC, Hyderabad on 23-08-18 and 24-10-18 for immediate submission of BSNL TD.
6	STS240820 182187	Erection of 220 kV Single Moose DC line (44.50 km) from proposed 400 / 220 kV SS Julurupadu (Bommanapally) to proposed 220/132/33 kV SS Pedagopati in Khammam District	BSNL TD awaited from Khammam SSA. SC Rly NOC submitted on 10.09.2018. Discussed in the SLPTCC meeting. Also DGM QA & INSP CIRCLE, Chennai has addressed letter to Member (Telecom), SLPTCC, Hyderabad on 24-10-18 for immediate submission of BSNL TD.

7	STS081020 182212	220kV DC line (67.70 KM) from the proposed 400/220kV SS Nirmal to upgraded 220/132/33kV SS Renjal in Nizamabad District.	BSNL TD awaited from Nizamabad SSA. SC Rly TD submitted on 28.08.18. DGM QA & INSP CIRCLE, Chennai has addressed letter to Member (Telecom), SLPTCC, Hyderabad on 24-10-18 for immediate submission of BSNL TD.
8	STS270420 182098	Erection of 220KV DC line on Narrow based MC towers from 400/220/132KV Kethireddypally SS to 132/33KV Kanakamamidi SS in Ranga Reddy District	CEA comments awaited. TSTRANSCO may send copy of Defence NOC to CEA.
9	STS170520 182116	Erection of LILOs of 220KV Shamshabad – Yeddumailaram & Shadnagar – Shankerpally lines on Narrow based Multi Circuit towers to the 400/220/132KV Kethireddypally SS in Ranga Reddy District	BSNL TD awaited from Hyderabad SSA. SC RlyNOC submitted on 30.04.18. Discussed in the SLPTCC meeting . Also DGM QA & INSP CIRCLE, Chennai has addressed letter to Member (Telecom), SLPTCC, Hyderabad on 23-08-18 and 24-10-18 for immediate submission of BSNL TD.
10	STS230820 161260	Erection of 220KV LILO to 400/220/33KV Suryapet SS from Loc.No.168 (B+0) circuit-2 of Khammam-Miryalaguda DC line in Nalgonda district-Revised proposals	CEA comments awaited. No BSNL TD informed to CEA on 03.01.2017. SC Rly details to be sent to CEA by SC Rly
11	STS230920 161275	220KV LILO to 400 kV Suryapet at Loc.187 of Khammam-Miryalaguda	CEA comments awaited. No BSNL TD informed to CEA on 03.01.2017. SC Rly details to be sent to CEA by SC Rly.
12	STS131020 161312	220 kV LILO to 400 kV Suryapet SS from Chillakallu-Narketpally line	Comments awaited from CEA. SC Rly NOC copy not received. TSTRANSCO may send copy of SC Rly NOC and Defence NOC to CEA.
13	STS131020 161313	220kV LILO to 220kV Huzurnagar SS from Chillakallu - Narketpalli line	Comments awaited from CEA. SC Rly NOC copy not received. TSTRANSCO may send copy of SC Rly NOC to CEA. Defence NOC copy sent to CEA by TSTRANSCO on 04.09.2018
14	STS030520 171662	Erection of 220 KV DC/SC line from existing 400/220KV Veltoor substation to proposed Solar Power Plant which is being setup by M/s. SE Solar Ltd	Comments awaited from CEA. SC Rly NOC copy not received. TSTRANSCO may send copy of SC Rly NOC and Defence NOC to CEA.
15	STS070620 171686	Erection of 220KV DC/SC line from 220KV Minpur substation to M/s.Renew Saur Shalthi Pvt Ltd solar power plant	Comments awaited from CEA. SC Rly NOC copy not received. TSTRANSCO may send copy of SC Rly NOC and Defence NOC to CEA.

ANNEXURE-XXXV

PUNJAB STATE TRANSMISSION CORPORATION LIMITED (PSTCL) :

Sr.No	NAME OF TRANSMISSION LINE	COMMENTS OF DE PTCC NORTH ZONE
01.	LILO of circuit of 220 KV GHTP-Talwandi saboo at 220 KV Maur.-	BSNL TD sent to CEA. IV values waited from CEA.
02.	220KV Makhoo-Algoo line.	RAC ISSUED ON 19/06/18
03.	220KV Abohar-Malout SC on DC on line -Algoo line.	IV values received from CEA but Railway NoC awaited.
04.	LILO of 220KV Himmatpura – Jagraon line at 220KV S/S Ajitwal.	IV values received from CEA, but Railway NoC pending.
05.	LILO of 220KV Jadla to Jamsher line at 220KV S/S Banga.	BSNL TD sent to CEA. IV values waited from CEA.
06.	LILO of 220KV line between 400KV Monga & 220KV S/S Himattpura at Badni Kalan.	IV values received from CEA, but Defence NoC waited.
07.	220KV line Talwandi saboo – Maiser Khana (Railway deposit works).	BSNL details awaited.
08.	220KV line from Sandhour to Kup Kalan.	Case has not received from PSTCL.

ANNEXURE-XXXVI

RAJSTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED (RRVPL)

SR no	CASE NO	NAME OF POWER LINE	Comments of DE PTCC NZ
1		400KV D/C Bhilwara – Ajmer line	BSNL TD sent to CEA . IV values waited .
2		220kv D/C Bhiwadi – TSS Mundana of DFCC line	BSNL TD sent to CEA . IV values waited .
3		220kv LILO to Halsar from STPS-Ratnagarh line.	BSNL TD sent to CEA . IV values waited .
4		220kv LILO to Aklera from Jalawar-Chhabra line.	Case received on 12.11.2018. Work in progress.
5		220kv D/C Basni-NPH, Jodhpur line	Case received on 12.11.2018. . Work in progress.
6		220kv D/C Gajner-Chhatargarh line	Case received on 12.11.2018. . Work in progress.