



Government of India
Northern Regional Power Committee
18-A, Katwaria Sarai, New Delhi

No. NRPC/SE(O)/Insulators/2011/

Dated: 01.2012

To,

1. CMD, POWERGRID, Gurgaon
2. Chairman, BBMB, Chandigarh, Fax No 0172- 2549186, 2652820
3. CMD, DTL, New Delhi Fax No 011 23234640
4. CMD, PSTCL, Ablawal, Patiala
5. CMD, UPPCL, Lucknow Fax No 0522- 2287880
6. MD, HVPNL, Panchkula Fax No 0172-2560640
7. CMD, RRPVNL, Jaipur Fax No 0141- 2740168
8. Director (Electrical Engineering-PS), Railway Board, Rail Bhavan New Delhi-110001, Fax 011- 23387045,
9. CED, North Central Railway, Allahabad, 0532-2223211, 2230204
10. CED, Northern Railways, New Delhi, Fax No 011-23387045
11. CEO, POWERLINKS Transmission Limited, New Delhi, Fax-011-45459555
12. GM (O&M), POWERGRID, NR-I
13. GM (O&M), POWERGRID, NR-II

Subject: Minutes of the meeting taken by Superintending Engineer (Operation), NRPC on 16th January, 2012 Regarding Replacement of Porcelain Insulators with Polymer/Anti-fog Insulators on Transmission Lines in Northern Region

Sir,

A meeting was held with the utilities of Northern Region on 16th January, 2012 on the above subject.

Minutes of the aforesaid meeting is enclosed. Copy of the same is also available on website of NRPC (www.nrpc.gov.in).

Yours faithfully,

Encl: As above

(Ajay Talegaonkar)
SE (Operations)

Minutes of the meeting taken by Superintending Engineer (Operation), NRPC on 16th January, 2012 regarding replacement of Porcelain Insulators with Polymer/Anti-fog Insulators on Transmission Lines in Northern Region

List of participants is enclosed at Annex-I.

1. Superintending Engineer (O), NRPC, welcomed the participants to the meeting and stated that the purpose of this meeting was to review the progress of replacement of porcelain insulators with polymer/ anti-fog insulators and for assessing the programme of cleaning of porcelain insulators in the Northern Region. He stated that so far in this season the system has been able to withstand fog due to large scale replacement of porcelain insulators with polymer insulators. He stated that only BBMB, HVPNL, UPPTCL and POWERGRID have sent latest status on progress of replacement of porcelain insulators with polymer/ anti-fog insulators. However he pointed that POWERGRID is still not sending a consolidated report for NR-I and NR-II despite several requests made by NRPC in earlier meetings.
2. Representative of POWERGRID assured that a consolidated status report will be submitted within a week. Representative of POWERGRID stated that progress of replacement under Stage-I is 96% and under Stage-II 20%. It was also assured the work of replacement of insulators on transmission lines identified under Stage-II would be completed by October 2012. It was also informed by the representative of POWERGRID after taking into account pollution levels and criticality, 12 additional circuits have been identified for replacement of porcelain insulators by polymer. Eight of these circuits come under NR-I and four circuits under NR-II.
3. SE(O), NRPC stated that this year fog related trippings have been observed in Rajasthan. Therefore, RRVPNL should identify transmission lines for replacement of porcelain insulators.
4. SE(O), NRPC stated that there had been number of trippings of 220 kV lines of DTL, in spite of cleaning. This showed that replacement of porcelain insulators with anti-fog insulators could not serve the purpose and only polymer insulators should be used as replacement. He further stated that as per decision taken in a meeting taken by Chairperson, CEA on 30.04.2008, in NCR area, porcelain insulators should be replaced only by polymer insulators and not by anti-fog insulators. He requested DTL to take action accordingly to maintain reliable power supply in NCR area.
5. Representative of DTL agreed to consider the suggestion. He stated that around 5,000 anti-fog insulators already purchased by DTL will be used in non-critical areas and orders will be placed for polymer insulators for replacing remaining conventional

insulators. He also agreed to submit the list of 220 kV lines proposed for replacement within one week.

6. Representative of Northern Railway stated there had been no trippings on any of their lines and that cleaning of insulators had been completed on 132 kV line between Diwana TSS to Shahbad Markanda. Further it was stated that all porcelain insulators in the polluted zone of 132 kV line between Diwana-Taraori have been replaced.
7. Representative of PSTCL informed that replacement of insulators identified under stage-I and stage-II had been completed. Taking into account pollution levels new lines have been identified for replacement work and also new stretches of lines where part replacement was proposed earlier and completed. The representative of PSTCL stated that details will be submitted to NRPC within two days. It was agreed that new circuits identified after this year's operational experiences would be classified under Stage-III.
8. Representative HVPNL stated that in future, in all new transmission lines only polymer insulators would be used.
9. SE (O) NRPC suggested that after inspection of insulators which have been cleaned, if required one more round of cleaning could be planned by 15th February 2012.

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

Meeting on Insulator Replacement and Cleaning on 16.01.2012**List of Participants**

Name	Designation	Organization	Mobile/Phone	E-mail ID
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