



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

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

Dated: 22.11.2011

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 Member Secretary, NRPC on 9th November, 2011
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 9th November, 2011 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

Sd/-
(Ajay Talegaonkar)
SE (Operations)

Minutes of the meeting taken by Member Secretary, NRPC on 09th November, 2011 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. Member Secretary (I/c), 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.
2. SE(O), NRPC stated that except BBMB and HVPNL, fortnightly reports with regard to progress of replacement of porcelain insulators with polymer/ anti-fog insulators were not being received regularly from transmission utilities. He requested POWERGRID to clarify the difference in the number of lines originally identified in Stage-I and the number of lines now shown by POWERGRID in their report.
3. Representative of POWERGRID clarified that the number of transmission lines identified under Stage-I had increased to sixty-eight (68) due to loop-in-loop out of originally identified lines and also due to addition of some critical transmission lines. POWERGRID agreed to send consolidated status report for NR-I and NR-II of replacement, every fortnight. To a query from MS, NRPC regarding the progress of POWERGRID for Stage-I being stagnant at 92%, representative of POWERGRID clarified that some identified lines could not be accessed due to right-of-way problem.
4. To a query from SE(O) regarding status of procurement of insulators under Stage-II, POWERGRID informed that the insulators for lines identified under Stage-II had been despatched from China and the work would be taken up as soon as the shipment is received. MS, NRPC expressed his apprehension as it will be difficult to get shut-down of transmission lines during winter months. GM, NRLDC stated that at critical locations where replacement of insulators had not been done, arrangement for cleaning of porcelain insulators should be made. Representative of POWERGRID agreed to this suggestion. GM, NRLDC also stated that for transmission lines where partial replacement had been carried out, the tower locations where insulators have been replaced should also be shown in the status report being submitted by POWERGRID and other utilities.
5. Representative of BBMB informed that the work of replacement could not be completed due to delay in procurement of insulators. He stated that tender evaluation for procurement was under process. The 1st phase of cleaning of insulators would be completed by 15th December and the same would be continued till the end of March 2012.

6. Representative of DTL informed that eighteen 220 kV transmission lines had been identified for replacement of porcelain insulators by anti-fog insulators. The procurement of polymer insulators was in progress. SE (O), NRPC stated that details of 220 kV lines where replacement was to be carried out should be included in the report being submitted by them. He further stated that as per decision taken in a meeting taken by Chairperson, CEA on 30.04.2008, in Delhi porcelain insulators should be replaced only by polymer insulators and not by anti-fog insulators. Representative of DTL stated that they have not experienced tripping on 220 kV transmission lines and therefore anti-fog insulators would serve the purpose. Representative of NRLDC stated that as a precaution, cleaning of the insulators may be carried out till replacement was completed. This was agreed to by DTL.
7. Representative of PSTCL stated the work of replacement on transmission lines identified under stage-I and stage-II had been completed. He stated that the work of cleaning of insulators would be completed by the 15th of December 2011. MS, NRPC requested them to expedite the work and ensure that the same was completed by the end of November.
8. Representative of HVPNL informed that 82% and 53% of the insulators had been replaced under Stage- I and Stage-II respectively. One round of cleaning of insulators would be over by end of November 2011. To a query from MS, NRPC as to why the progress under stage-II was only 53%, representative of HVPNL informed that though they had stock of anti-fog insulators, they were awaiting for the supply of polymer insulators.
9. Representative of Northern Railway informed that two 132 kV D/c lines had been identified for replacement of porcelain insulators by polymer. He also informed that one round of cleaning of insulators was over and that the second round would start on 1st of December 2011.

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

List of Participants for meeting on Insulator Replacement and cleaning on 09.11.2011

Name	Designation	Organization	Mobile/Phone	E-mail ID
R.S. Singh		POWERGRID	8800093583	ravi50038@yahoo.com
Kuleshwar Sahu	Chief Mgr (OS)	POWERGRID	9419217140	kuleshwars@gmail.com
Ravinder Kr. Singh		POWERGRID, NR-I	9873918545	raviksin@yahoo.com
Er. P.P. Singh	Mgr. (P)		9999533643	
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Rajiv Porwal	CM	NRLDC	987158 1133	rajivporwal@gmail.com
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Kuldeep S. Manderna	Power Controller		9417200352	powerc@bbmb.nic.in
H. K. Sharma		N. Rly. BH	9717630330	hksharma1965@yahoo.com
Satyavir Singh		N. Rly. BH	9717637313	satyavir.rly@gmail.com
P. K. Pahwa	MS	NRPC		
Ajay Talegaonkar	SE (O)	NRPC		nrebops@yahoo.co.in
Gopinadhan Pillai	EE(O)	NRPC		nrebops@yahoo.co.in
Naresh Kumar	AEE(O)	NRPC		nrebops@yahoo.co.in

Summary of Replacement of Porcelain Insulators by Polymer / Antifog Insulators					
	Stage-I (Lines identified after grid incidence on 8th March 2008)		Stage-II (Lines identified after grid incidence on 2nd January 2010)		
Utility	Lines Identified (Nos)	Progress of Replacement of Insulator String (%)	Lines Identified (Nos)	Progress of Replacement of Insulator String (%)	Status as on
HVPNL	25	82	17	53	08.11.2011
POWERGRID	68	92	39	Nil	31.10.2011
BBMB	35	66	5	17	31.10.2011
DTL	6	100	18	-	220 kV lines identified. Total insulator strings - 7385 (status as on 01.11.11.)
UPPTCL	38	35.6	*	-	31.10.2011
PSTCL	20	100	35	100	31.10.2011
POWERLINK	1	100	-	-	Work Completed
RVPNL	2	100	-	-	Work Completed
North Central Railways					1126 Insulator strings replaced (As informed during last winter)
Northern Railways	2	-	-	-	Procurement of insulators under progress (31.10.2011)

* Lines are yet to be identified in Stage-II