



पावर ग्रिड कोर्पोरेशन ऑफ इंडिया लिमिटेड

Power Grid Corporation of India Limited

सूचना का अधिकार अभिनियम 2005 के अंतर्गत केन्द्रीय लोक सूचना अधिकारी
Central Public Information Officer under the RTI Act, 2005
केन्द्रीय कार्यालय, 'सौदामिनी', प्लॉट नं.2, सैक्टर-29, गुडगांव, हरियाणा-122007
Corporate Centre, 'Saudamini', Plot No. 2, Sector-29, Gurgaon, Haryana-
122007



CP/RTI/2016/304

Date: 26th May, 2016

Shri Shripal Jain
BD-7G, DDA Flats
Munirika, New Delhi-110067

Sub: Information under Right to Information Act, 2005 (Application No. 304 dated 22.01.2016 received on 17.02.2016.)

Dear Mr. Jain,

This has reference to your RTI request dated 22nd January, 2016 addressed to CPIO, NRTS-I, Katwaria Sarai, New Delhi, POWERGRID.

The information sought pertaining to Corporate Centre, POWERGRID (i.e. Point Nos. 6, 7, 9, 13,14,21,22,23 & 24) is attached at **Annex-I**.

First Appeal, if any, against the reply of CPIO may be made to the first Appellate Authority within 30 days of receipt of the reply of CPIO. Details of Appellate Authority at Corporate Centre, Gurgaon, under RTI Act, 2005 is as below:

Shri B. Mishra
Executive Director (CP & IT) & Appellate Authority
Corporate Centre, Power Grid Corporation of India Limited
"Saudamini", Plot No. 2, Sector-29, Gurgaon – 122007, Haryana.
Email ID: bmishra@powergridindia.com
Phone No. 0124-2571960

Thanking you,

भवदीय,

सतीश
26/5/16

(सतीश कुमार जे.)

उप महाप्रबंधक (के.आ.) एवं के.लो.सू.अधिकारी

Phone No. 0124-2822746

Copy to: Sh. Abhinav Verma
DGM & CPIO, Western Region-II,
Power Grid Corporation of India Limited,
5th&6th Floor VUDA Bhawan
Near L&T Circle, VIP Road, Vadodara-390018

RTI Query No.	Reply
Point No 6.	From POWERGRID experience of using glass insulators, it has been observed that these are working satisfactorily for around 30 years on transmission lines. The polymer insulators are being installed on POWERGRID lines mainly for last 10 years and these are working satisfactorily till date.
Point No 7.	400 kV Singrauli- Lucknow line is the oldest serving line on POWERGRID network with glass insulators. This line is in commercial operation since 01.06.1986.
Point No 9.	As per our experience, rate of failure of Porcelain disc insulators is higher than glass disc insulators.
Point No 10	Information sought is pertaining to WRTS-II and may be provided directly by CPIO, WRTS-II
Point No 13	
Point No 14	
Point No 21.	The first 765 kV POWERGRID line was commissioned in year 2007 and has glass insulator. The polymer insulators have been used for the first time in the 765 kV line and same is commissioned in year 2012. So far, both types of insulator are working satisfactorily in the 765kV lines.
Point No 22	As decided in Regional Power Committee (RPC) meetings, replacement of insulators is being done on case to case basis in stretches where frequent pollution related trippings has been reported to avoid untoward grid incidences.
Point No 23	Replacement of insulators is being done on case to case basis in stretches where frequent pollution related trippings has been reported to avoid untoward grid incidences. The expenditure is being booked as routine O&M expenditure.
Point No 24	Need for replacement of insulators is being discussed in RPC forum on case to case basis.
i)	Accumulation of Pollutants on insulator surface is a dynamic phenomenon which depends on climatic conditions, growth of polluting industries in the vicinity of transmission lines like brick kilns, chemical factories etc.
ii)	To maintain reliability of grid and avoid untoward grid incidences.

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