



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, सेक्टर-29, गुडगांव, हरियाणा-122007
Corporate Centre, 'Saudamini', Plot No. 2, Sector-29, Gurgaon, Haryana-122007



PGCIL/R/2019/50382

Dated : 9 September, 2019

Anil kumar shah,

C/O Dinesh shah, House of Choubey ji, , Opp. Anand nagar post office, Adhartal, JABALPUR (M.P.),
Pin:482004,

Sub.: Information under Right to Information Act, 2005.

Sir/Madam,

This has reference to your RTI request dated 2 September, 2019 for providing information under RTI Act, 2005.

The desired information is attached at Annexure-I.

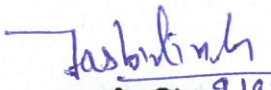
First Appeal, if any, against the reply of CPIO may be made to the first appellate Authority within 30 days of the receipt of the reply of CPIO. Details of Appellate Authority at Corporate Centre, Gurgaon, under RTI Act, 2005 is as below:

Shri Sanjeev Singh,

Executive Director (CMG) & Appellate Authority
Corporate Centre, Power Grid Corporation of India Limited
"Saudamini", Plot No. 2, Sector-29, Gurgaon – 122007, Haryana.
Email ID: sanjeev@powergridindia.com
Phone No. 0124-2571962

Thanking you,

भवदीय,


(जसबीर सिंह) 9/9/19

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

Email ID: cpio.cc@powergrid.co.in

Information sought by Sh. Anil Kr. Shah
under the RTI Act, 2005.

The information sought by the requester is general in nature and do not pertain specifically to any transmission line of POWERGRID. However, following may be informed:

1) **Reply to Query 1**

In India, Overhead power lines are being constructed for power distribution as well as power transmission purposes. Transmission lines of POWERGRID are of various voltage levels viz. 66kV, 132kV, 220kV, 400kV, 765kV, +/-500kV HVDC and +/-800kV HVDC.

2) **Reply to Query 2**

Refer Reply at 1) above.

3) **Reply to Query 3**

The transmission lines in the country are constructed as per the Central Electricity Authority's Regulations 2010/2011 viz. "Technical Standards for Construction of Electrical Plants and Electric Lines", "Measures relating to Safety and Electric Supply" & "Safety requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Lines" as well as Bureau of Indian Standard IS: 5613. These documents are available in public domain and can be accessed from the web sites/ offices of CEA & BIS.

CEA's Regulations for "Measures relating to Safety and Electric Supply, 2010" inter-alia stipulate under clause no. 61, that an overhead line shall not cross over an existing building as far as possible and no building shall be constructed under an existing overhead line. Further, in case of an overhead line conductor passing above or adjacent to any building or part of a building, the minimum electrical clearances are stipulated. The regulations also stipulate the minimum ground clearances for transmission lines of various voltage levels. The transmission lines of POWERGRID also take into account the electric field and magnetic field limits being followed as per International practices and guidelines issued by ICNIRP (International Commission on Non-Ionizing Radiation Protection).

4) **Reply to Query 4**

With the electrical clearances indicated at 3) above, No harmful effect of transmission lines is envisaged on human life.