



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



PGCIL/R/2019/60034

Dated : 31 May, 2019

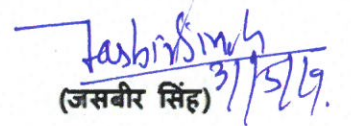
j senthil kumar,  
122-Kandikkattuvalasu (po), avalpoondurai(via),  
Erode, Tamilnadu, Pin:638115,

**Sub: Appeal under RTI Act, 2005 from Shri J Senthil Kumar (appeal letter dated 3rd May, 2019) for RTI request (PGCIL/R/2018/50122) dated 5th March, 2019.**

Dear Sir,

This has reference to the order No. C/CP/AA/RTI Act, 2005 dated 28<sup>th</sup> May, 2019 from the Appellate Authority on the subject matter. As directed by the Appellate Authority, the desired information is attached herewith **Annexure-I**.

भवदीय,

  
(जसबीर सिंह) 31/5/19.

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

Email ID: [cpio.cc@powergrid.co.in](mailto:cpio.cc@powergrid.co.in)

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. Links of websites are given below:

[www.cea.nic.in](http://www.cea.nic.in) and [www.bis.gov.in](http://www.bis.gov.in)

These regulations provide the parameters for various voltage levels of the transmission lines.

The ground clearance for the Transmission Lines of various voltage levels are governed by above mentioned Documents. Further, as per MoEF's Guidelines for Laying of Transmission Lines in Forest Areas, the minimum clearance between conductor and trees shall be 4m for 132kV, 4.6m for 220kV, 5.5m for 400kV, 7.4m for +/-500kV HVDC, 9m for 765kV, 10.6m for +/-800kV HVDC and 13m for 1200kV. The maximum sag and swing of the conductors are to be kept in view while working out the above mentioned minimum clearances.