



सूचना
का अधिकार

पावर ग्रिड कॉर्पोरेशन 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



पावरग्रिड

CP/RTI/2016/488

Date: 16th February, 2017

Mr Padamkumar S. Jain
A/2 24(HIG) opposite RTO Office,
Giripeth, Amravati Road
Nagpur-440010

Sub: Information under Right to Information Act, 2005.

Dear Sir,

This has reference to your online RTI request dated 8th December, 2016 seeking information under RTI Act, 2005.

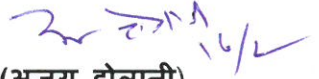
The information sought is attached as **Annexure-I**.

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 Anil Jain
Executive Director (CP)
Corporate Centre, Power Grid Corporation of India Limited
"Saudamini", Plot No. 2, Sector-29, Gurgaon – 122007, Haryana.
Email ID: aniljain@powergridindia.com
Phone No. 0124-2571960

Thanking you,

भवदीय,


(अजय होलानी)

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

Email ID: cpioccc@powergrid.co.in

Annexure-I.

Point wise Reply to RTI query

- 1. Kindly provide the population of Power Transformers and Reactors existing and proposed in your various plants at all over India with details in MVA Rating.**

Ans: The total number of Transformers and Reactors in existing Substation of POWERGRID is 1950 units with total installed MVA rating of 278862 MVA. Total number of Transformers & Reactors which are under implementations in various Substations of POWERGRID is 604 units with total capacity of 94330 MVA.

- 2. Kindly provide the details of Transformers failed due to internal fault and subsequent fire under your jurisdiction during last 15 years.**

Ans:: Total internal failure on account of to internal fault and subsequent fire are 5 nos

- 3. Kindly provide the details of Transformers failed due to internal fault under your jurisdiction during last 15 years.**

Ans: Total internal failure on account of winding are 26 nos

- 4. Kindly provide the details of deformation/ cracks noticed in the main oil tank/OLTC main tank and transformer.**

Ans: In 7 no. Tranformer deformation/ cracks were noticed in the main oil tank/OLTC main tank after failure of Transformer due to internal fault

- 5. Kindly provide the details of revenue and capital loss due to above fire/failure/cracks in main tank and transformer.**

Ans: All assets are covered under Mega insurance, in case of failure same will be restoring by insurance.

- 6. Kindly provide the details of preventive measures taken by you for protect Transformers from fire/ deformation due to internal fault and its reliability to protect the transformer during occurrence of internal fault.**

Ans: For avoiding fire catastrophic failure due to internal fault, all the Transformers and Reactor of 400kV and above ratings are provided with HVW spray system alongwith water imulsifier system. Transformers and Reactors of 220kV and below rating are provided with NIPS.

- 7. Kindly provide the copy of occurrence report of committee/officers after failure/fire of each Transformer and its SCADA Report or occurrence report.**

Ans: The data as desired are very voluminous and required manpower for compilation and sending which will hamper day to day activity of POWERGRID. In case any specific data is required, same may be sought.

8. **Kindly provide the details of revenue and capital loss due to failure of Transformers under your jurisdiction.**

Ans: All assets are covered under Mega insurance, in case of failure same will be restoring by insurance.

9. **Kindly provide the laid down procedure/ guidelines followed by your organization while procuring the critical and safety equipment like Transformer/ Reactor/ Explosion and fire prevention system/ any other electrical equipment. If you are having any laid down procedure as per rule, kindly confirm and share the documents of procurement policy which is being followed. And who will take the responsibility and compensate these losses.**

Ans: For avoiding fire catastrophic failure due to due to internal fault, all the Transformer above 400kV ratings are provided with HVW spray system alongwith water imulsifier system and 220kV and below Transformers and Reactors are provided with NIPS. Same is brought out in the technical specification.

10. **Kindly confirm the conversion of dynamic pressure into static pressure inside the transformer main tank due to high arc energy level during an internal fault and subsequent explosion and fire. Kindly provide the actual calculation.**

Ans: Calculation is not available.

11. **Please confirm the assessment of procurement and understanding the technical requirement and operational need to protect the Transformer/ Reactor by providing Protection/ explosion and Fire Prevention System during occurrence and subsequent damages to protected equipment.**

Technical specification are reviewed on time to time and based on requirement modification are being done.

12. **Kindly provide the cost of replacement of EHV Transformer failed due to internal fault at EHV Substation of power utilities.**

Ans: Cost of replacement of EHV Transformer failed due to internal fault at EHV Substation of power utilities are not available with CC-AM. Regarding cost of replacement of EHV Transformer failed due to internal fault at EHV Substation varies on case to case basis and depending on site condition. In case any specific data is required, same may be sought.

13. **Kindly confirm the life and scraping policy of the Power Transformer, installed and commissioned at S/s**

Ans: Life of the Power Transformer, installed and commissioned at S/s are decided by CERC. Our installed Transformers is kept in service till it is beyond repairable or it is not cost effective.

14. **Kindly confirm the cost of dismantling of failed transformer, transportation, installation, testing and commissioning and cost of new transformer and associated equipment, including capital as well as revenue loss due to transformer failure in MVA wise.**

Ans: Data is not available.

15. **Kindly provide the accident of human life/ loss of limbs due to internal fault and subsequent explosion and fire.**

Ans: So far no loss of human life / loss of limbs is reported due to internal fault and subsequent explosion and fire.

16. **Kindly provide, if there is any advance technology available in the market which is approved by any Indian/ International accredited laboratory duly live tested to prevent such type of mishap and financial loss to Govt. exchequer.**

Ans: Any advance technology available in the market for fire prevention is being explored time to time and consideration of inclusion in the system is done only after successful field demonstration at site and it's cost implication to avoid financial loss to Govt. exchequer.

17. **Kindly provide the number of fatal accidents due to Transformer fire/ failure of Transformer in PGCIL in last 15 years.**

Ans: No fatal accidents due to Transformer fire/ failure of Transformer in PGCIL are reported in last 15 years.

18. **Kindly provide the number of non-fatal accidents due to Transformer fire/ failure of Transformer in PGCIL in last 15 years.**

Ans: No non-fatal accidents due to Transformer fire/ failure of Transformer in PGCIL are reported in last 15 years.

19. **Kindly provide the name of Substation, Name if employee either departmental or outsider, where the fatal accident has occurred due to transformer fire/ failure of occurrence since last 15 years in PGCIL.**

Ans: Nil

20. **Kindly provide the name of Substation, Name if employee either departmental or outsider, where the non-fatal accident has occurred due to transformer fire/ failure of occurrence since last 15 years in PGCIL.**

Ans: Nil

21. **Kindly provide the name of Substation, Name if employee either departmental or outsider, who has lost any life, limbs during the fire/ failure of Transformer in PGCIL.**

Ans: Nil

22. **Kindly provide the compensation paid towards the fatal accident of whether departmental or outsider in PGCIL, due to fire/ failure of Transformer since last 15 years**

Ans: Nil

23. **Kindly provide the compensation paid towards the non-fatal accident of whether departmental or outsider in PGCIL, due to fire/ failure of Transformer since last 15 years**

Ans: Nil