



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



CP/RTI/2016/180

Date: 9<sup>th</sup> September, 2016

Sh. A Hariharan,  
38 Roja Street  
Poompozhi Nagar  
Avadi, Chennai  
Tamilnadu 600062

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

Dear Mr. Hariharan,

This has reference to MoP letter dated 19<sup>th</sup> July, 2016 (received on 10<sup>th</sup> August, 2016), transferring your online RTI request dated 5<sup>th</sup> July, 2016 for providing information, under RTI Act, 2005.

The information sought 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 the receipt of the reply of CPIO. Details of Appellate Authority at Corporate Centre, Gurgaon, under RTI Act, 2005 is as below:

Executive Director (CP) & Appellate Authority  
Corporate Centre, Power Grid Corporation of India Limited  
"Saudamini", Plot No. 2, Sector-29, Gurgaon – 122007, Haryana.  
Phone No. 0124-2571960

Thanking you,

भवदीय,

*सतीश कुमार जे.*

(सतीश कुमार जे.)

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

Phone No. 0124-2822746

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

ANNEX - I

पावर ग्रिड कारपोरेशन ऑफ इण्डिया लि.  
केंद्रीय मानव संसाधन विभाग

दिनांक : 31.08.2016

सूचना का अधिकार अधिनियम के तहत जानकारी प्राप्त करने के सम्बन्ध में  
Sh. A Hariharan द्वारा मांगी गयी जानकारी से सम्बन्धित  
(मा.सं.-औ.अभि. से सम्बन्धित प्रश्न के उत्तर के सम्बन्ध में)

**Information Sought:**

- 1) Provide a copy of IE rule/ Indian Electricity Act/ Circular/ Statements/ Government Orders/ Proposals/ or any other relevant information which says that ITI-Electronic fitter trade person and or Diploma ECE persons are eligible/ authorized to perform out Operation & Maintenance activities in HT and EHT systems and substations.
- 2) Provide a copy of relevant portion of IE rule/ Indian Electricity Act which insists basic qualification and essential qualifications are required to carry out Operation & Maintenance activities in HT and EHT systems and substations
- 3) Provide a copy of relevant portion of IE rule/ Indian Electricity Act which says that who are all not eligible or unauthorized to carry out Operation & Maintenance activities in HT and EHT systems and substations.
- 4) Provide a copy of relevant portion of IE rule/ Indian Electricity Act which says that who are all eligible or authorized to carry out Operation & Maintenance activities in HT and EHT systems and substations.

**Reply:** IE rule [ANNEXURE XIV] states that "Minimum qualification for the operating and supervisory staff shall preferably be a high second class diploma in mechanical or electrical engineering or a degree from recognized institute or university. The minimum qualifications for persons to assist the operating and supervisory staff shall be certificate from a recognized ITI in appropriate trade. *Relevant extract of IE Rule is enclosed.*

POWERGRID has framed/adopted its rules as per the requirement of the organization generally in line with requirements of transmission works like operation & maintenance of HV / EHV transmission system. Accordingly, as per requirement, it generally recruits in technical supervisory cadre with qualification in Diploma Engineering in Electrical/Civil discipline and workmen cadre with qualification in ITI in Electrical discipline.

आयुष वर्मा  
31/8/16  
(आयुष वर्मा)

वरि.अभियंता (औ.अ.)

**UNIVERSALS**  
NEW DELHI - INDIA

# The Electricity Rules, 2005

*with*  
**THE INDIAN ELECTRICITY RULES, 1956**  
*and*

- The Fees for Making Application for Grant of Licence Rules, 2004
- The National Electricity Plan Notification Rules, 2004
- The Appeal to the Appellate Authority Rules, 2004
- The Means of Delivery of Notice, Order or Document Rules, 2004
- The Procedure for Conducting Inquiry Against a Member of Appropriate Commission Rules, 2004
- The Procedure for Holding Inquiry by Adjudicating Officer Rules, 2004
- The Appellate Tribunal for Electricity Salary, Allowances and other Conditions of Service of the Officers and Employees Rules, 2004
- The Intimation of Accidents (Form and Time of Service of Notice) Rules, 2005
- The Forum of Regulators Rules, 2005 / A.F. No. 1, SAXENA
- The National Load Despatch Centre Rules, 2005 (19.09.05)
- The Distribution of Electricity Licence (Additional Requirements of Capital Adequacy, Creditworthiness and Code of Conduct) Rules, 2005
- The Electricity (Procedure for Previous Publication) Rules, 2005
- The Electricity (Removal of Difficulties) (1st to IXth) Orders, 2005
- The Works of Licensees Rules, 2006 (31.03.2006) SAXENA
- The Qualifications, Powers and Functions of Chief Electrical Inspector and Electrical Inspectors Rules, 2006
- The Appellate Tribunal for Electricity (Procedure, Form, Fee and Record of Proceedings) Rules, 2007

आयमान सरसंग/ARYAMAN SAXENA  
 Officer (CTU - Planning)  
 पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड  
 Power Grid Corporation of India Ltd.  
 प्लॉट नं. 29, प्रेस कॉम्प्लेक्स, इंदौर रोड, दिल्ली-110001 (India)  
 Plot No.-2, Sector-29, Gurgaon (Haryana)

**BARE ACTS**  
**WITH SHORT NOTES**

2014

4. Designation of the Officer-in-charge of the supplier in whose jurisdiction the accident occurred.
5. Name of owner/user of energy in whose premises the accident occurred.
6. Details of victim(s)—

(a) Human:

Sl. No.	Name	Father's Name	Sex of victim	Full Postal Address
1	2	3	4	5
Approximate age				
6				
Fatal/non-fatal				
7				

(b) Animal:

Sl. No.	Description of animal(s)	Number(s)	Name(s) of owner(s)
1	2	3	4
Address(es) of owner(s)			
5			
Fatal/non-fatal			
6			

7. In case the victim(s) is/are employee(s) of supplier—

- (a) designation of such person(s).
- (b) brief description of the job undertaken, if any.
- (c) Whether such person/persons was/were allowed to work on the job.
8. In case the victim(s) is/are employee(s) of a licensed contractor—
- (a) did the victim(s) possess any electric workman's permit(s), supervisor's certificate of competency issued under rule 45? If yes give number and date of issue and the name of issuing authority.
- (b) name and designation of the person who assigned the duties of the victim(s).

9. In case of accident in the supplier's system, was the permit to work (PTW) taken?

10. (a) Describe fully the nature and extent of injuries, e.g. fatal/disablement (permanent or temporary) of any portion of the body or burns or other injuries.

(b) In case of fatal accident, was the post mortem performed?

11. Detailed causes leading to the accident.

(To be given in a separate sheet annexed to this form).

12. Action taken regarding first-aid, medical attendance etc. immediately after the occurrence of the accident (give details).

13. Whether the District Magistrate and Police Station concerned have been notified of the accident (if so, give details).

16. What safety equipments were given to and used by the person(s) who met with this accident (e.g. rubber gloves, rubber mats, safety belts and ladders etc.)?
17. Whether isolating switches and other sectionalising devices were employed to deaden the sections for working on the same? Whether working section was earthed at the site of work?
18. Whether the work on the live lines was undertaken by authorised person(s)? If so, the name and the designation of such person(s) may be given.
19. Whether artificial resuscitation treatment was given to the person(s) who met with the electric accident? If yes, how long was it continued before its abandonment?
20. Names and designations of persons present at and witnessed the accident.
21. Any other information remarks.

Place.....

Time.....

Date.....

Signature

Name

Designation

Address of the person reporting]

{ANNEXURE XIV

[See rule 3(2A)]

### GUIDELINES FOR PROVIDING TRAINING AS REQUIRED UNDER RULE 3(2A)

1. The owner of every generating station of capacity of 100MW and above shall arrange for training of personnel, engaged in the operation and maintenance of his generating station, in the manner specified below:

(1) (a) The training may be arranged in his own institute or any other institute established for this purpose.

(b) Any institute where such training is arranged shall have been recognised by the Central Electricity Authority.

(2) There shall be separate training courses for the persons to be engaged in operation and maintenance of thermal power stations and hydro power stations together with associated sub-stations. In respect of thermal stations, separate course may be arranged for the operating and supervisory staff and other skilled persons who are to assist them.

(3) Refresher courses shall be arranged periodically for the persons who have already undergone training under para (2) above and those who have already sufficient experience in the operation and maintenance of a generating station and are engaged in its operation and maintenance under clause (b) of sub-rule 2(A) of rule 3 to familiarise with modern practices of operation and maintenance.

2. Duration and content of training shall be as specified below:

- (1) Thermal Power Stations.—The duration of the training courses for the operating supervisory staff (both electrical and mechanical) shall not be less than 12 months. This shall include 186 hours of lectures as specified in Appendix I to this Annexure followed by specialised lectures as specified in

with different sections of the power station. After the lecture course is completed the trainees should be taken on visits to a few modern power stations and factories manufacturing turbines, generators, switchgear, instrumentation and auxiliary equipments. The remaining period will be spent on in-plant training where the candidates will be given an opportunity to operate or maintain the machinery by themselves under close supervision of the regular operating staff as well as the training supervisors. Arrangements shall be made for familiarising the trainees with the operation of power stations, through simulator facilities.

- (2) The duration of the training course for the skilled person to assist the operators and supervisory staff in a thermal power stations shall not be less than nine months. This shall include 82 hours of lectures as specified in Appendix III to this Annexure followed by specialised lectures as specified in Appendix IV. The lectures may be arranged during the half day and the other half day being spent on observation by the trainees in the power stations so that they get familiarized with different sections of the power station. After the later course is completed; the trainee shall be taken on visits to study a few modern power stations and factories manufacturing turbines, generators, switch gear, instrumentation and auxiliary equipments. The remaining period will be spent on in-plant training under close supervision.
- (3) The duration of the training course for the operation and supervisory staff to work in hydro power stations shall not be less than nine months. This shall include 124 hours of lectures as specified in Appendix V to this Annexure. The procedure for familiarization visits and in-plant training shall be similar to that which has been specified in respect of thermal power stations.
- (4) Those who are expected to be engaged in the operation and maintenance of the sub-station associated with the generating station shall be given a training of duration of not less than six months as specified in Appendix VI to this Annexure. This shall be followed by visits and in-plant training.
- (5) The duration and contents of the refresher course shall be determined jointly by the owner of the generating station and the training institute.

3. Qualifications.—The minimum qualification for the operating and supervisory staff shall preferably be a high second class diploma in mechanical or electrical engineering or a degree from a recognized institute or university. The minimum qualifications for the persons to assist the operating and supervisory staff shall be certificate from a recognised Industrial Training Institute in appropriate trade.

4. Creation of the Institute.—(1) Every training institute shall be established adjacent to a power station so as to facilitate familiarization and provide in-plant training.

(2) The training institute shall preferably be of residential type and shall have a full time Principal and adequate number of teaching staff. The training institute shall have facilities for demonstrations by models, simulators and for exhibition of slides and movies.

(3) The institute shall have a systematised scheme of evaluation and assessment of the performance of the candidates by conducting oral and written tests at adequate intervals. The assessment forms shall be specified in Appendix VII to this Annexure.

(4) The number of trainees in any one batch shall not normally exceed 25 so as to

<sup>1</sup>[Annexure XV  
[See rule 65 (8)]

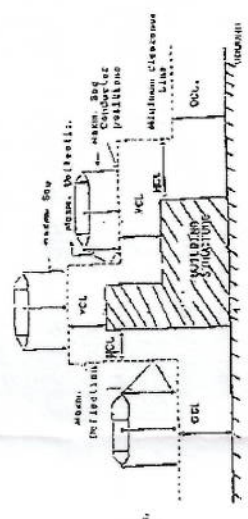
**FORM FOR FAILURE REPORT IN RESPECT OF TRANSFORMERS/ REACTORS OF 20 MVA AND ABOVE**

1. Type of Equipment (Transformer/Reactor)
2. Capacity (MVA)
3. Location (Address)
4. Owner and address of owner
5. Date of failure
6. Year of manufacture
7. Date of Installation
8. Make
9. Reasons for failure
10. Measures being taken to avoid recurrence of failure

Date.....

(Signature and name of  
Installation Manager/Executive  
Engineer of the installation)]

<sup>2</sup>[ANNEXURE XVI  
(See rule 80)]



GCL: Clearance as per Rule-77  
VCL: Clearance as Per Rule-80 (1)  
HCL: Clearance as Per Rule-80 (2)]  
APPENDIX I

**SYLLABUS FOR THE OPERATING AND SUPERVISORY STAFF ENGAGED IN THE OPERATION AND MAINTENANCE OF THE THERMAL POWER STATIONS**

(General course for Electrical and Mechanical)

Item No.	Particulars	Number of Hours
1	2	3
1	Concept of modern Thermal Station : Central Station and utility systems, base load and peaking stations, concept of unit system, typical thermal cycles, parameters, heat rates, fuel rates, steam	