



# केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

**CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE**  
AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA  
REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT GOVT. OF INDIA  
REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA  
An Autonomous Organization works for IT, HRD & Literacy



## P.G. Diploma in Power Plant Management

P.G. Diploma in Power Plant Management is a Diploma level Thermal Power Engineering course. It manages the field of science or innovation and spreads one of the primary subjects Thermal Power Engineering. This program is intended to give a sound and top to bottom preparing in different parts of configuration, fabricate, testing, control and assessment of warm power hardware. Warm Power Plants have an undeniably predominant task to carry out in the imperative power age division.

### SYLLABUS

Syllabus of Engineering as prescribed by various Universities and Colleges.

Paper Code	Subjects of Study
1	Business Communication & Personality Development, Power Sector Legislative & Regulatory framework
2	Power Plant Familiarizations & Industrial safety/Renewable Sources Technology
3	Advanced Steam Generation & Technology-Supercritical and FBC/ Solar PV system
4	Renewable Energy resources and Renewable Energy Grid integration
5	Solar Thermal Technologies
6	CCGT, Co-Generation & Hybrid Systems
7	Nuclear Power Plants and Concept of Smart Grid
8	Power Plant Chemistry, Metallurgy, NDT & Welding
9	ROJ (Operation- NTPC Dadri, NTPC Faridabad, NTPC Badarpur)



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NCS-REGD. OFFICE  
Govt. of India



सत्यमेव जयते

REGD. NO.: S14K81-1040424644087

10	Power Plant Operation
11	Power Plant Protection
12	Wind Energy Technology and Hydro power generation
13	Control & Instrumentation
14	Maintenance Planning & Cost Control , Procurement Process Material Management, Project Financing
15	Power Reforms and regulations and Load Dispatch
16	Renewable Energy Grid Interface Technologies
17	Maintenance Practice & Inspection of Mechanical Equipment Like, Valves, Pumps, Turbine, Bearing, Boiler & Auxiliaries, Turbine & Auxiliaries, etc./Renewable Energy Project
18	Maintenance Practice & Inspection of Electrical Equipment Like, Motors, MOV, Switchyard equipment, Transformers, Switchgear, etc. Maintenance Practice & Inspection of C& I Equipment Like, Control Valves, Actuators, SCADA, and Fields Equipments etc. /Rene
19	Erection, Commissioning & Construction Management/ Renewable Energy Project.
20	Energy Storage Technologies
21	Energy Recovery ,Geothermal, Tide, Wave Energy, Hydrogen Energy, Fuel Cell
22	Bio Mass, Bio Energy and Waste to Energy
23	IT Application in Power Sector & GIS
24	Environment Management
25	ROJ (Maintenance NTPC Dadri, NTPC Faridabad, NTPC Badarpur, Renewable energy site)



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26	Energy Audit & Project Management
27	Project Presentation
28	Training & visit to Mfrs. Works
29	Second Semester Examination

