

## Post Graduate Diploma in Thermal Power Plant Engineering (PGDC).

NPTI weaves formal education with industry oriented specialized skills to cater to the needs of Power Sector. In one of its most successful attempts to create a pool of Technically trained man power for ready availability for recruitment by PSUs/SEBs/ Power Utilities, NPTI launched a one year 'Post Graduate Diploma Course in Thermal Power Plant Engineering', in 1996 recognised by AICTE, at its institutes in New Delhi, Nagpur, Durgapur and Neyveli, Guwahati, Nangal. The PG Diploma Course is having an exceptionally encouraging response and many Power Companies recruited this trained man power through campus recruitments over the years.

*This course is for fresh and practicing Graduate Engineers for a period of one (1) year.*

### Course Fee

Sl. No.	Category	Course Fee
1.	Non-sponsored candidates	Rs. 1,50,000/-
2.	Sponsored Candidates (from SEBs/PSUs/Private Utilities)	Rs. 2,00,000/-
3.	<b>Foreign Nationals</b>	
	(a) From SAARC Countries	US \$ 7,000
	(b) From other than SAARC Countries	US \$ 8,000

### Syllabus

Sl. No.	Subject/Module – First Semester	No. of Weeks
1	Power Plant Introduction & Industrial Safety	1
2	Power Plant Familiarization	6
3	Power Plant Briefing & Scheme Tracing	2
4	Power Plant Operation	2
5	Rotation On-Job (Operation)	5
6	Erection, Commissioning & Construction Management	2
7	Power Plant Performance & Efficiency Calculation	1
8	Power Plant Chemistry, Metallurgy, NDT & Welding	2
9	Gas Turbine & Combined Cycle Power Plant	1
10	Advanced Steam Generation Technology – Supercritical and FBC	1
11	Business Communication & Personality Development	1
	First Semester Examination	1
	<b>Subject/Module – Second Semester</b>	
12	Power Plant Protection	1
13	Energy Audit	1/2
14	Maintenance Planning & Cost Control	1

15	Nuclear Power Plant Familiarization	1
16	Renewable and Hydro Power Plants	1
17	Maintenance Practice & Inspection	4
18	Design Analysis	1
19	Load Dispatch	1
20	Power Reforms and regulations	1
21	Control & Instrumentation	2
22	IT Application in Power Sector & GIS	2
23	Environment Management	1
24	Rotational On Job (Maint.)	4
25	Training & visit to Mfrs. Works	2
26	Simulator	2
	Project Presentation	1/2
	Margin for Holidays	1
	Second Semester Examination	1
	<b>TOTAL</b>	<b>52</b>