



# NATIONAL POWER TRAINING INSTITUTE

An ISO 9001:2008 & 14001 Organizations

(Ministry of Power, Govt. of India)

NPTI Complex, Sector-33, Faridabad – 121003

Tele: 0129 2275213, Fax: 0129 2277412, website: [www.npti.in](http://www.npti.in)

Mobile No. 09718625545

## **12 WEEKS POST GRADUATE CERTIFICATE COURSE IN THERMAL POWER PLANT ENGINEERING**

National Power Training Institute (NPTI), an ISO 9001 & ISO 14001 organizations, under Ministry of Power, Govt. of India is a National Apex body for Training and Human Resources Development in Power Sector with its Corporate Office at Faridabad. NPTI had been providing its dedicated service to the Power Sector for more than fifty years. NPTI operates on all India basis through its nine Institutes in different zones of the country. NPTI is starting a 12-Weeks Post Graduate Certificate Course on Thermal Power Plant Engineering for fresh graduate engineers as well as executives from the industry.

### **RECOMMENDED FOR**

The minimum qualifications for admissions to 12 weeks “**Post Graduate Certificate Course in Thermal Power Plant Engineering**” shall be Bachelor degree in Engineering or its equivalent in Mechanical, Electrical, Power, Electronics, Control & Instrumentation Engineering. Those who have appeared in the final degree examination and result is awaited can also apply. However the final result shall be submitted by the candidate before completion of the course. This course can also be attended by the Junior and Middle Level Managers/Executives/officers as sponsored candidate. Syllabus for program has been designed based on **Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010. Attending this 12 Weeks course will help the candidates in acquiring good knowledge and skill of Thermal Power Plant Practices and there by increases their opportunities for getting placement in the Power Sector.**

### **PROGRAM OVERVIEW**

NPTI weaves formal education with industry oriented specialized skills to cater to the needs of Power Sector and creates a pool of technically trained manpower for ready availability for recruitment by PSUs/SEBs/Power Utilities/IPPs etc.

NPTI is conducting these 12 weeks Post Graduate Certificate Course in Thermal Power Plant Engineering for the candidates willing to make a career in the Power Industry. This course is designed for fresh and practicing Graduate Engineers.

## **MODULE COVERED**

This training program shall broadly cover the following modules:

<b>S. No.</b>	<b>Name of Module</b>
1	General Introduction: - Concept of Modern Thermal Power Plant, Location /Site Selection, Plant layout & Power Plant Safety.
2	Constructional details and basic principles of large pulverized fuel Boiler and auxiliaries.
3	Construction and working principles of Turbine and auxiliaries.
4	Various types of Valves and Pumps.
5	Construction and working principles of Alternators and Excitation Systems, Transformers, Motors, Switchgears, Power Supply System and Switchyard.
6	Tariff Calculation.
7	Tariff Based Bidding , Concept of UMPPs
8	Fuel Handling Plant, Ash Handling System and Cooling Water System.
9	Water Sources and treatment.
10	Operation, control and supervision of Boiler, Turbine and Alternator.
11	Instrumentation & Control (including DAS & DDC) and Protection system.
12	Power Plant Maintenance practices.
13	Scheme Tracing/ Plant Visits.
14	Simulator Training – 430MW CCGT / 500MW Thermal Simulator
15	Basic principles of Solar Power (Solar Photovoltaic, Solar Thermal, Dish Type, Solar Tower)

**PROGRAM START DATE:**            –    **20/03/2017**

**PROGRAM VENUE**

National Power Training Institute (CO)  
NPTI Complex, Sector-33, Faridabad – 121003, Haryana

**COURSE FEE**

**A) For Indian National**

1. For Non-Sponsored Candidates:  
Rs. 50,000/- + 7500/- (Service Tax present Rate-15%)  
= Rs. 57,500/- per candidate
2. For Sponsored Candidates  
Rs. 75,000/- + 11250/- (Service Tax present Rate-15%)  
= Rs. 86,250/- per candidate

**B) For Foreign National**

1. For SAARC Countries:  
US\$ 8400 + US\$ 1260 (Service Tax present Rate-15%)  
= US\$ 9660 per candidate
2. For all other Countries:  
US\$ 9600 + US\$ 1440 (Service Tax present Rate-15%)  
= US\$ 11040 per candidate

**ACCOMODATION**

**A) For Indian National**

Hostel accommodation will be provided to the candidates subject to availability on nominal charge basis as given below:

Hostels (Non A.C. on sharing basis): Rs. 12,000/- for 12 weeks duration. Food charges are payable extra.

**B) For Foreign National**

- (i) For SAARC Countries:  
US \$ 8400 + US \$ 731 (Service tax @ 8.7%) = US \$ 9131 per participant (AC Room on single sharing basis)
- (ii) All other countries:  
US \$ 9600 + US \$ 836 (Service tax @ 8.7%) = US \$ 10436 per participant (AC Room on single sharing basis)

**Total Course Fee:**

**A) For Indian National**

**1) For Non Sponsored Candidates**

**a) With Hostel** = Rs. 57,500/- + Rs.12, 000/-  
= Rs. 69,500/- per candidate

**b) Without Hostel** = Rs. 57,500/- per candidate

**2) For Sponsored Candidates**

**a) With Hostel** = Rs. 86,250/- + Rs.12, 000/-  
= Rs. 98,250/- per candidate

**b) Without Hostel** = Rs. 86,250/- per candidate

**B) For Foreign National**

**1) For SAARC Countries**

**a) With Hostel** = US\$9660 + US\$ 9131  
= US\$ 18791 per candidate

**b) Without Hostel** = US\$ 9660 per candidate

**2) All other Countries**

**a) With Hostel** = US\$ 11040 + US\$ 10436  
= US\$ 21476 per candidate

**b) Without Hostel** = US\$ 11040 per candidate

## **ADMISSION SCHEDULE**

Application for admission to the course in the prescribed format along with Demand Draft /ECS receipt of requisite fee will be received up to **16/03/2017** and should be sent to following. Application without course fee will be rejected. For further details the following may be contacted.

**Sh.J. S. S. Rao**  
**Principal Director**  
**National Power Training Institute**  
**NPTI Complex, Sector-33,**  
**Faridabad – 121003, Haryana**  
**Tele / Fax: - 0129-2272210**  
**email: [jssrao.npti@gov.in](mailto:jssrao.npti@gov.in)**

**Sh. R. Senthil Kumar**  
**Program Director**  
**National Power Training Institute**  
**NPTI Complex, Sector-33,**  
**Faridabad – 121003, Haryana**  
**Mobile: 09718625545**  
**mail: [senthilrk.npti@gov.in](mailto:senthilrk.npti@gov.in)**

## **MODE OF PAYMENT OF FEE**

Fee can be paid in the form of Demand Draft in favor of “NPTI” and Payable at Faridabad or by ECS / SBI Collect as per bank details given below.

### **Bank Transfer through ECS/SBI Collect:**

Beneficiary Account Name: National Power Training Institute  
Bank Name: State Bank of India  
Branch: Sarai Khawaja  
City: Faridabad  
Account No.10724879119  
Account Type: Current Account  
MICR No. 110002198  
IFSC Code No.: SBIN0003245  
Bank Code: 03245

### **LIST OF ENCLOSURES :**

- (i) Photo Copy of 10<sup>th</sup> and 12<sup>th</sup> / Diploma Marks Sheet
- (ii) Photo Copy of ID Proof
- (iii) Photo Copy of Degree Certificate or its equivalent
- (iv) Photo Copy of Mark Sheet
- (v) Photo Copy of Experience Certificate (If any)
- (vi) Demand Draft\*/ ECS / SBI Collect Receipt

# NATIONAL POWER TRAINING INSTITUTE



(Ministry of Power, Govt. Of India)

**SECTOR 33, FARIDABAD - 121 003**

## APPLICATION FORM FOR 12 WEEKS PGCC IN THERMAL POWER PLANT ENGINEERING - 2017

1. Name of the Candidate : \_\_\_\_\_  
(In Capitals)

2. (a) Mother's Name : \_\_\_\_\_

(b) Father's / Husband Name : \_\_\_\_\_

3. Date of Birth :

Date		Month		Year		

Affix recent

Passport size

Photograph

4. Age : \_\_\_\_\_ Year \_\_\_\_\_ Month

5. Gender :

Male	Female
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6. Marital Status : 

Single	Married
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7. Nationality : \_\_\_\_\_

8. Address for Communication : \_\_\_\_\_

(Give complete address in \_\_\_\_\_ Pin Code \_\_\_\_\_

Capitals & email address clearly) Tel. No. \_\_\_\_\_ Fax No. \_\_\_\_\_

Email \_\_\_\_\_

9. Are you a sponsored candidate : Yes / No

10. Educational Qualifications(Starting from 10<sup>th</sup> Onwards)

S. No.	Examination Passed	Branch/Subject	Year of Passing	College/ Board/University	% of Marks

### Note:

In case of CGPA Please indicate equivalent percentage of marks

11. Experience after Graduation (if any)

S. No.	Designation	Name of Organisation	Period		Nature of Duties
			From	To	

12. Certificate of Sponsorship<sup>#</sup>

Dated: \_\_\_\_\_

This is to certify that Mr./ Ms. \_\_\_\_\_ working in this organisation \_\_\_\_\_ as \_\_\_\_\_ is sponsored by us for admission to 12 weeks Post Graduate Certificate Course in Thermal Power Plant Engineering at NPTI, Sector 33, Faridabad.

**Signature of Employer**

Place: \_\_\_\_\_

Seal: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_

13. Details of application fee: Demand Draft\* / ECS / SBI Collect receipt No. \_\_\_\_\_ Amount \_\_\_\_\_ date \_\_\_\_\_ Bank \_\_\_\_\_

(\*Demand Draft to be drawn in favour of NPTI, Payable at Faridabad)

**DECLARATION**

I Shri./Ms. \_\_\_\_\_ declare that the information furnished above is true to the best of my knowledge and belief and in case of anything found misleading or wrong my candidature is liable to be rejected without any notice.

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of Candidate  
(Name in Full)

# Applicable for sponsored candidates only.

***Filled-in Application may be sent to:***

**Sh.J. S. S. Rao**  
**Principal Director**  
**National Power Training Institute**  
**NPTI Complex, Sector-33**  
**Faridabad- 121003 (Haryana)**  
**Tele / Fax:- 0129-2272210**  
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