

**NATIONAL POWER TRAINING INSTITUTE**  
**An ISO 9001:2008 & 14001 Organizations**  
**(Ministry of Power, Govt. of India)**  
**Badarpur, New Delhi – 110044**  
website: [www.nptidelhi.net](http://www.nptidelhi.net)

### **06 WEEKS INDUSTRIAL / VOCATIONAL TRAINING CERTIFICATE COURSE**

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 06-Weeks vocational training Certificate Course in Power Plant Engineering for **2<sup>nd</sup> / 3<sup>rd</sup> year graduate engineers**.

### **RECOMMENDED FOR**

The minimum qualifications for admissions to 06 weeks “**Industrial/Vocational Training Certificate Course in Power plant**” shall be students of BE/B.TECH/BSc.Engineering or its equivalent in **Mechanical, Electrical Engineering**. Those who have passed 2<sup>nd</sup> year of Engineering or appeared in 4<sup>th</sup> semester final examinations can apply. Syllabus for program has been designed based on requirements of **Central Electricity Authority**.

**(Measures relating to Safety and Electric Supply) Regulations, 2010. Attending this 06 Weeks course will help the candidates in acquiring good knowledge and skills of Power Plant Practices and there by increases their opportunities for getting placement in the Power Sector, after completion of their Engineering.**

### **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 06 weeks Vocational Training Certificate Course in Power Plant Engineering for the candidates willing to make a career in the Power Industry after completion of their Degree in Engineering. Total 10 modules with each module of 03 days training will include “**01 day Power plant visit , 01 day class room training including with multimedia packages CBT and , 01 day written assessment ( including viva voce / MCQ)**” .

### **VOCATIONAL TRAINING (SKILL DEVELOPMENT MODULES COVERED)**

This training program shall broadly cover the following modules:

<b>S. No.</b>	<b>Minimum 10 modules of skill development @ 3 days each module will be covered ( TENTATIVE LIST)</b>
1	<b>Classroom Training by INDUSTRY/NTPC/NPTI Experts ( 10 modules @ 3 days/module)( tentative contents depending upon the availability of experts /CBT etc etc)</b>
	<b>MECHANICAL</b>
A	Boiler
B	Turbine
C	Feed water system including BFP
D	CEP and Condensate water system
E	Cooling water system
F	Ash Handling System
G	Pulverizes and Feeders
H	Draught system
I	Regenerative Feed Heating System
J	Coal handling Plant
	<b>ELECTRICAL</b>
A	Generator
B	Switchyard
C	Transformers
D	HT-LT Supply system
E	Electrostatic Precipitator (ESP)
F	Generator (Hydrogen Cooling System and Stator Water Cooling System)
G	Motors
H	Automatic Voltage (Requirements, types and function mechanical, electronic amplifier magnetic amplifier regulators, construction, maintenance and testing).
I	DC Supply System
J	Generator Excitation System and AVR
2	<b><i>Power Plant Training at Rajghat Power house with experienced faculty ( tentative contents depending upon the availability Plant visit permissions)</i></b>
	<b>MECHANICAL</b>
A	Boiler
B	Turbine
C	Feed water system including BFP
D	CEP and Condensate water system
E	Cooling water system
F	Ash Handling System
G	Pulverizes and Feeders

H	Draught system
I	Regenerative Feed Heating System
J	Coal handling Plant
	<b>ELECTRICAL</b>
A	Generator
B	Switchyard
C	Transformers
D	HT-LT Supply system
E	Electrostatic Precipitator (ESP)
F	Generator (Hydrogen Cooling System and Stator Water Cooling System)
G	Motors
H	Automatic Voltage (Requirements, types and function mechanical, electronic amplifier magnetic amplifier regulators, construction, maintenance and testing).
I	DC Supply System
J	Generator Excitation System and AVR

- 1) The contents shown above are tentative and can be changed as per request of students (mechanical/electrical) subject to availability of expert faculty.
- 2) Students have to prepare for mock Viva Voce tests during the complete 06 weeks course.
- 3) The students who pass all the 10 modules of Skill development for the 06 week course will only get the Industrial/Vocational Training Certificate.
- 4) The criteria for admission will be based on merit.
- 5) Non residential course.

\*\* If comprehensive plant visit permission is received in any plant other than RPH, New Delhi and is located outside NCR , then the cost of TA/DA will be borne by individual students. For training at Rajghat power house , students have to reach the Rajghat power stations directly by their own Arrangements.

First week of  
June'2017

**PROGRAM START DATE (Tentative):**

**NO OF SEATS**

**60 STUDENTS / BATCH**

- **ADMISSION WILL BE STRICTLY BASED ON THE FINAL CUMULATIVE MERIT IN B.TECH WITH NO BACKLOGS.**
- **NUMBER OF BATCHES MAY INCREASE DEPENDING UPON THE RESPONSE OF STUDENTS**

**PROGRAM VENUE**

- 1) National Power Training Institute (NR)  
Badarpur, New Delhi – 110044
- 2) RPH, NEW DELHI \*\*

**Training Fees – Nil**

**Registration Fees (non residential) – Non refundable**

Rs. 2,500/- + 375/- (Service Tax present Rate-15%)  
= Rs. 2,875/- per candidate

## **ADMISSION SCHEDULE**

Application for admission to the course in the prescribed format along with Demand Draft / ECS receipt of requisite fee should be sent by 29.05.2017 to undersigned. Please mention the name and mobile number on the back side of demand draft. Application without **course registration fee** will be rejected. For further details the following may be contacted.

**Those applying and are found not eligible / not considered while making final merit list, the registration fees will be refunded to such candidates.**

**Sh. Deepak Kumar Sharma**  
**Program Director**  
**National Power Training Institute**  
**Badarpur,**  
**New Delhi – 110044**  
**Mobile: 09818008165**  
**E-mail: [dsharma.npti@gov.in](mailto:dsharma.npti@gov.in)**  
**[dksharmarel@gmail.com](mailto:dksharmarel@gmail.com)**

## **MODE OF PAYMENT OF FEE**

Registration Fee of Rs 2875/- (Two thousand eight hundred and seventy five only) can be paid in the form of Demand Draft in favor of "NPTI" and Payable at Delhi 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: Badarpur**

**City: New Delhi**

**SBI Account No.33713719759, IFSC: SBIN0010447**

### **Account Type: Current Account**

#### **LIST OF ENCLOSURES**

- (i) Valid College ID card
- (ii) Photo Copy of any one photo ID Proof ( Voter card, ID Card, Driving License, Adhar Card, PAN card , passport etc etc)
- (iii) Photo Copy of B.Tech mark sheet
- (iv) Demand Draft/ ECS / SBI Collect Receipt

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**APPLICATION FORM FOR 06 WEEKS INDUSTRIAL/VOCATIONAL TRAINING CERTIFICATE COURSE- 2017**

1. Name of the Candidate : \_\_\_\_\_  
(In Capitals)
2. (a) Mother's Name : \_\_\_\_\_  
(b) Father's / Husband Name : \_\_\_\_\_
3. Date of Birth : \_\_\_\_\_

Affix recent  
Passport size  
Photograph

Date		Month		Year			

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

Male	Female
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6. Marital Status : \_\_\_\_\_
7. Nationality : \_\_\_\_\_
8. Address for Communication : \_\_\_\_\_  
(Give complete address in \_\_\_\_\_ Pin Code \_\_\_\_\_  
Capitals & email address clearly) Tel. No. \_\_\_\_\_ Fax No. \_\_\_\_\_  
Email \_\_\_\_\_

Single	Married
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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 Organization	Period		Nature of Duties
			From	To	

12. Details of application fee: Demand Draft / ECS / SBI Collect receipt No. \_\_\_\_\_ Amount \_\_\_\_\_  
date \_\_\_\_\_ Bank Name \_\_\_\_\_  
**(\*Demand Draft to be drawn in favour of NPTI, Payable at New Delhi)**

**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)

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

**Sh. Ravinder Singh**  
**Director**  
**National Power Training Institute (NR)**  
**Badarpur,**  
**New Delhi- 110044, Tele / Fax: - 011-22971551**  
**Email: [rsingh.npti@gov.in](mailto:rsingh.npti@gov.in)**



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