

TRAINING PROGRAMS TO BE CONDUCTED BY NPTI(SR), Neyveli
FOR THE YEAR APRIL2024- MARCH 2025

Sl. No.	Name of the Course	Duration in Days	Period		Mode of Training Program
			From	To	
I	POWER GENERATION AND ITS ANCILLARY EQUIPMENTS				
1.	Boiler performance and efficiency calculation	02 Days	18.04.2024	19.04.2024	Offline
2.	Power Station Pumps-Operation, Maintenance & Performance Monitoring	02 Days	25.04.2024	26.04.2024	Offline
3.	Vibration Analysis	01 Day	29.04.2024	29.04.2024	Offline
4.	Thermal Power Station Operation	03 Days	06.05.2024	08.05.2024	Offline
5.	Best Practices in O&M of Air Compressor	02 Days	09.05.2024	10.05.2024	Offline
6.	Boiler Tubes Failure Analysis & Case Studies	02 Days	20.05.2024	21.05.2024	Offline
7.	Steam Turbine & Auxiliaries Operation	03 Days	29.05.2024	31.05.2024	Offline
8.	Power Transformer Maintenance& Testing	02 Days	13.06.2024	14.06.2024	Offline
9.	Power Station - Valves, ActuatorsMaintenance	02 Days	20.06.2024	21.06.2024	Offline
10.	Best practices in operation and maintenance of reciprocating air compressor	02 Days	27.06.2024	28.06.2024	Offline
11.	Boiler Firing System & Equipment	02 Days	04.07.2024	05.07.2024	Offline
12.	O&M of Coal Mills & Feeders	02 Days	11.07.2024	12.07.2024	Offline
13.	Efficiency & Performance Monitoring of TPS	02 Days	01.08.2024	02.08.2024	Offline
14.	Fans and Air Heaters	02 Days	08.08.2024	09.08.2024	Offline
15.	Best Practices in O&M of Air Compressor	02 Days	22.08.2024	23.08.2024	Offline
16.	Valve maintenance	02 Days	05.09.2024	06.09.2024	Offline
17.	Advanced Welding and Non- Destructive Testing (NDT) Technologies	02 Days	12.09.2024	13.09.2024	Offline
18.	Boiler and its Auxiliaries- Operation & Maintenance	03 Days	25.09.2024	27.09.2024	Offline
19.	Large Capacity CFBC Boiler- Operation & Maintenance	02 Days	24.10.2024	25.10.2024	Offline
20.	Generator & Auxiliaries including Excitation System- Operation &Maintenance	03 Days	06.11.2024	08.11.2024	Offline
21.	Steam Turbine & Auxiliaries Operation& Maintenance	03 Days	20.11.2024	22.11.2024	Offline
22.	O&M of Coal Mills & Feeders	02 Days	28.11.2024	29.11.2024	Offline
23.	Electrostatic Precipitator - Operation & Maintenance	02 Days	05.12.2024	06.12.2024	Offline
24.	Transformer Maintenance & Testing	02 Days	12.12.2024	13.12.2024	Offline
25.	Burner Management System/FSSS	02 Days	30.12.2024	31.12.2024	Offline
26.	Bearing Maintenance & Shaft Alignment	02 Days	06.01.2025	07.01.2025	Offline
27.	Issues Related to Supercritical Boiler Technology	02 Days	23.01.2025	24.01.2025	Offline
28.	Motor Maintenance	02 Days	30.01.2025	31.01.2025	Offline
29.	Gas Turbine & Combined Cycle Power Plant Appreciation	02 Days	06.02.2025	07.02.2025	Offline
30.	Power Station Pumps-Operation, Maintenance & Performance Monitoring	02 Days	20.02.2025	21.02.2025	Offline
31.	Power Plant Chemistry	02 Days	27.02.2025	28.02.2025	Offline
32.	Boiler Tubes Failure Analysis & Case Studies	02 Days	06.03.2025	07.03.2025	Offline
33.	Operational Risk Hazards on Boiler	01 Day	14.03.2025	14.03.2025	Offline
34.	Thermal Power Plant Governing system including calibration and problem solving	02 Days	20.03.2025	21.03.2025	Offline
II	HYDRO POWER AND RENEWABLE ENERGY SYSTEMS				
35.	Solar PV Roof Top Design & Installation	02 Days	22.04.2024	23.04.2024	Offline
36.	Clean Energy Technologies	02 Days	16.05.2024	17.05.2024	On-line
37.	Floating Solar PV Technology	02 Days	06.06.2024	07.06.2024	Offline
38.	Solar PV Technology	02 Days	24.06.2024	25.06.2024	Offline
39.	Hybrid Renewable Energy Systems	01 Day	19.07.2024	19.07.2024	Offline
40.	Solar Photovoltaic System Design & Installation	03 Days	26.08.2024	28.08.2024	Offline
41.	Solar PV Panel Installation, Testing & Maintenance	02 Days	19.09.2024	20.09.2024	Offline
42.	Solar PV Technology	02 Days	28.10.2024	29.10.2024	Offline
43.	Renewable Energy Integration - Issues & Challenges	01 Day	20.12.2024	20.12.2024	On-line
44.	Solar PV Plant Design & Installation	02 Days	09.01.2025	10.01.2025	Offline

Sl. No.	Name of the Course	Duration in Days	Period		Mode of Training Program
			From	To	
45.	Ash Utilization, Fuel Handling System and its Operation & Maintenance	01 Day	31.01.2025	31.01.2025	Offline
46.	Wind, Small, hydro and Biomass Technology	02 Days	13.02.2025	14.02.2025	Offline
III	TRANSMISSION AND DISTRIBUTION SYSTEM				
47.	Switchgear Maintenance	02 Days	04.04.2024	05.04.2024	Offline
48.	Electrical Protection System	02 Days	25.07.2024	26.07.2024	On-line
49.	Power System Studies and Load Despatch	02 Days	12.08.2024	13.08.2024	On-line
50.	Power System Energy Losses	02 Days	05.09.2024	06.09.2024	Offline
51.	Power Cable Jointing Technologies	02 Days	17.10.2024	18.10.2024	Offline
52.	Transformers Maintenance and Testing	02 Days	03.02.2025	04.02.2025	Offline
53.	Power quality improvement techniques in modern power station	01 Day	10.02.2025	10.02.2025	Online
54.	Recent Trends in Transformer Testing	02 Days	17.02.2025	18.02.2025	Offline
IV	CONTROL AND INSTRUMENTATION ENGINEERING				
55.	PLC & SCADA applications in Thermal Power Plant	02 Days	03.06.2024	04.06.2024	Offline
56.	Power plant Automation	01 Day	10.06.2024	10.06.2024	On-line
V	DISASTER AND SAFETY MANAGEMENT				
57.	Electrical Safety in Power Utilities	01 Days	18.11.2024	18.11.2024	On-line
VI	GRID INTEGRATION, SMART GRID & SMART CITIES, EV, AND ENERGY STORAGE SYSTEM				
58.	Battery Energy Storage System	02 Days	02.05.2024	03.05.2024	Offline
59.	E-Mobility & Charging Infrastructure	02 Days	10.06.2024	11.06.2024	Offline
60.	Renewable Energy Interface – Issues & Challenges	02 Days	01.07.2024	02.07.2024	Offline
61.	E-Mobility Issues and challenges	02 Days	18.07.2024	19.07.2024	Offline
62.	Energy Storage Technologies	02 Days	29.08.2024	30.08.2024	Offline
63.	Regulatory frame work & Commercial aspects of Indian Power Sector	01 Day	23.09.2024	23.09.2024	On-line
64.	Energy Storage & Micro Grids in India	02 Days	02.12.2024	03.12.2024	Offline
65.	EHV Substation/ Switchyard Maintenance & Testing	02 Days	20.01.2025	21.01.2025	Offline
66.	FGD, Emission Control & Carbon Footprints in fossil fuel based Thermal Power Plant	02 Days	17.02.2025	18.02.2025	Offline
67.	Smart Grid and Smart metering technologies and applications	02 Days	24.02.2025	25.02.2025	Offline
68.	Electric Vehicle Charging Technologies & Challenges	02 Days	10.03.2025	11.03.2025	Offline
VII	IT, ICT, GIS & RS BIG DATA ANALYTICS AND CYBER SECURITY				
69.	Internet of Things applications	02 Days	15.04.2024	16.04.2024	Offline
70.	Data Sciences & Big Data Analytics with Industrial orientation (Energy & Utility)	02 Days	27.06.2024	28.06.2024	On-line
71.	Data Sciences & Big Data Analytics with Industrial orientation(Energy & Utility)	02 Days	05.12.2024	06.12.2024	Offline
72.	Internet of Things for Smart Grid applications	02 Days	16.12.2024	17.12.2024	Offline
73.	Cyber Security Issues in Smart Grid System	02 Days	27.01.2025	28.01.2025	On-line
74.	Cyber Security for Power Sector	01 Day	24.02.2025	24.02.2025	Offline
VIII	ENERGY EFFICIENCY, ENERGY AUDIT AND DEMAND SIDE MANAGEMENT				
75.	Energy Audit & Demand Side Management in Power Utilities	02 Days	03.10.2024	04.10.2024	Offline
76.	Energy Conservation and Energy Audit	02 Days	03.02.2025	04.02.2025	Offline
77.	Auxiliary Power Consumption (APC) & Energy Audit/ Conservation of Thermal Power Station	02 Days	24.02.2025	25.02.2025	Offline
78.	Energy Conservation & Energy Audit in Power Utilities	02 Days	03.03.2025	04.03.2025	Offline
IX	POWER MANAGEMENT AND MANAGEMENT DEVELOPMENT PROGRAMS				
79.	Power System Studies and Load Despatch	02 Days	19.08.2024	20.08.2024	Offline
80.	Power System Energy Losses	02 Days	09.09.2024	10.09.2024	Offline
81.	Power Market & Power Trading	01 Day	10.03.2025	10.03.2025	Offline
X	ENVIRONMENT MANAGEMENT				
82.	Air Pollution, Water Pollution, Noise Pollution & its Control measures related to Thermal Power Plant	02 Days	17.03.2025	18.03.2025	Offline

30% discount on regular training program fees shall be provided to the On-line Courses.

Sl. No.	Name of the Course	Duration in Days	Date	Mode
1.	Solar PV & Grid Integration Issues & Challenges	01 Day	29.04.2024	On-line
2.	E-Mobility & its importance in Energy Storage	01 Day	27.05.2024	On-line
3.	Internet of Things & Cyber Security for Smart Grid	01 Day	24.06.2024	On-line
4.	Battery Energy Storage System	01 Day	29.07.2024	On-line
5.	Renewable Energy Integration - Challenges & Opportunities	01 Day	26.08.2024	On-line
6.	Big Data Analytics & Data Sciences with Industrial orientation (Energy & Utility)	01 Day	30.09.2024	On-line
7.	Combined Cycle & Gas Turbine Power Plant Appreciation	01 Day	27.01.2025	Off-line
8.	Vibration Analysis in Rotating Equipments	01 Day	24.02.2025	On-line
9.	Energy Efficiency Improvement in Power Plant	01 Day	24.03.2025	On-line

Workshop/Seminar Fee- Offline:

- ❖ Executives/Professionals from Power Utilities/Industries – Rs.2,500/-
- ❖ Academicians, Research scholars of Universities/Engineering & Polytechnic Colleges – Rs.1,250/-
- ❖ PG/UG Students of Universities/ Engineering & Polytechnic Colleges– Rs.600/-

Online Trainee Fees Per Day Per Participant:

- ❖ Students – Rs.250/-
- ❖ Faculty- Rs.350/-
- ❖ Utility - Rs.1000/-