

## Power and Energy– Programmes for 2019-20

S No.	Programme Title	Days	Dates
1	Distribution Transformers - Failures - Trends in O&M	3	23 - 25 Apr 19
2	Power System Protection, Control and Monitoring & Digital Substations	5	06 - 10 May 19
3	Basic Principles of Vibration Analysis, Condition Monitoring, Leveling, Alignment and Balancing Procedures for high speed Rotating Machinery in Power Plants and Process Industries (With Practical Demos)	4	14 - 17 May 19
4	Best Practices of O&M of DM Water Plants in Power Plants & Process Industry	3	21 - 23 May 19
5	Energy Audit & Loss Reduction in T&D Systems	3	29 - 31 May 19
6	Rooftop Solar Grid Engineer-Design, Erection, Commissioning & Maintenance	5	10 - 14 Jun 19
7	Heat Exchangers Design and Performance Evaluation in Power Plants & Process Industry	4	11 - 14 Jun 19
8	Distribution Network Planning and Analysis employing GIS	3	18 - 20 Jun 19
9	Environmental Issues & Challenges and Pollution Control Strategies in Thermal Power Plants	3	25 - 27 Jun 19
10	Power System Grounding and Installation of LAs	3	02 - 04 Jul 19
11	Best Practices in O&M of Industrial Valves & Actuators for Heavy Industries & Power Plants	3	09 - 11 Jul 19
12	Best Practices of O&M of Coal Handling and Ash Handling and disposal in Thermal Power Plants	3	16 - 18 Jul 19
13	Operation & Maintenance of Oil Field Equipment	5	22 - 26 Jul 19
14	Smart Grid & Smart Metering Technologies & Applications	3	29 - 31 Jul 19
15	Operation & Maintenance Testing of Power Transformers and HT Circuit Breakers	4	06 - 09 Aug 19
16	Erection, Commissioning & Best Practices in O&M and Failure Analysis of Synchronous Generators including static excitation in Power Plants & process industries	5	19 - 23 Aug 19
17	Water usage and Conservation in Thermal Power Plants	3	20 - 22 Aug 19
18	Open Access, Power Trading - ABT Scenario	3	27 - 29 Aug 19
19	Latest techniques in Control & Instrumentation in Power Plants and process industries applications	3	10 - 12 Sep 19
20	Issues and Challenges of Boiler and Cooling Water Chemistry in Power Plants and Process Industries.	4	17 - 20 Sep 19
21	Cost Accounting and Cost Control in a Power Plant and Process Industries	4	17 - 20 Sep 19
22	Gas Insulated Substations - Design features, Construction, Testing, Operation and Maintenance	3	24 - 26 Sep 19
23	Power Cables Selection, Testing, Laying and Commissioning	5	14 - 18 Oct 19
24	Flexibilization of Thermal Power Plants	3	22 - 24 Oct 19
25	Operation & Maintenance of Distribution Transformers and Leading to Zero Breakdowns	3	22 - 24 Oct 19
26	Static & Digital Energy Meters - Design, Function & Applications	3	29 - 31 Oct 19
27	Best Practices in O&M of Coal Pulverizes and Imported Coal Blending and Coal Firing Optimization	3	05 - 07 Nov 19

S No.	Programme Title	Days	Dates
28	PAT Mechanism for Power Plants and DISCOMs	4	12 - 15 Nov 19
29	Franchisee Models in Distribution System - Implementation - Issues & Challenges	3	13 - 15 Nov 19
30	Super Critical and Sub-Critical Boilers : Water Chemistry Issues and Challenges	3	19 - 21 Nov 19
31	Accident Prevention in Electrical and Safety Procedures	4	26 - 29 Nov 19
32	Testing of High Voltage Power Electrical equipment – Reduction in Breakdown of Equipment	3	03 - 05 Dec 19
33	Safety Hazards in Thermal Power Plants : Identification, Prevention & Mitigation	3	16 - 18 Dec 19
34	Power System Protection, Control and Monitoring & Digital Substations	5	16 - 20 Dec 19
35	Best Practices and Systematic Trouble Shooting of PLC & DCS Including Advances in Power Plant Applications and process industries	3	17 - 19 Dec 19
36	Testing, Commissioning and Protection of Distribution Substations	4	17 - 20 Dec 19
37	Rooftop Solar Grid Engineer-Design, Erection, Commissioning & Maintenance	5	06 - 10 Jan 20
38	Selection, O&M and Condition Monitoring of Large Electrical Motors and Generators for Industries and Power Plant Applications	3	07 - 09 Jan 20
39	Grounding of Electrical Equipment LA - Surge Protection	3	21 - 23 Jan 20
40	Best Practices in O&M of Electro Static Precipitators (ESP) & Performance Improvement for meeting the new pollution norms	3	21 - 23 Jan 20
41	Remedial Measures to reduce pilferage - Social & Legal issues	4	28 - 31 Jan 20
42	Condition Monitoring of PTs & CBs leading to higher reliability	4	04 - 07 Feb 20
43	Pumps Operation, Maintenance & Performance Monitoring for Power Plant Applications	3	11 - 13 Feb 20
44	Power Trading, Power Exchanges & Merchant Power Plants	3	11 - 13 Feb 20
45	Best Practices in Planning, Construction and O&M of Hydro Power Plant	3	25 - 27 Feb 20
46	Revenue Management and Loss Reduction in Distribution System	3	25 - 27 Feb 20
47	Power Cables Selection, Testing, Laying and Commissioning (including OPGW)	5	02 - 06 Mar 20
48	Asset Integrity Management and Reliability Centered Maintenance for all Industries including Power Plants	3	10 - 12 Mar 20
49	Failure Analysis of Distribution Transformers approach to Zero Breakdown	3	17 - 19 Mar 20
50	Operation & Maintenance of Oil Field Equipment	5	23 - 27 Mar 20
51	Basic Principles of Vibration Analysis, Condition Monitoring, Leveling, Alignment and Balancing Procedures for high speed Rotating Machinery in Power Plants and Process Industries (With Practical Demos)	4	24 - 27 Mar 20

**Note:** We also undertake tailor made In-house training programmes on the above subjects or any other subjects at Clients location or at ESCI

- Consultancy works like 3rd party assessment & inspection for Engineering Issues and solutions.
- Departmental tests for Engineers, Diploma holders by setting Question papers, evaluation of answer sheets and awarding the marks either for departmental Cadre promotion or Conversion from Lower grade to higher grade.
- Energy Audit of firms and consultancy service. We are having two Senior Faculties in Power & Energy, who are Certified Energy Auditors and also were trained as Trainers by

National Institute of Solar Energy (NISE) as part of accreditation of ESCI. The division is also empanelled by APSECM & TSREDCO.

**Team**

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