

## Power and Energy– Programmes for 2019-20

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

<b>No.</b>	<b>Programme Title</b>	<b>Days</b>	<b>Dates</b>
26	Static & Digital Energy Meters - Design, Function & Applications	3	29 - 31 Oct 19
27	Best Practices in O&M of Coal Pulverizers and Imported Coal Blending and Coal Firing Optimization	3	05 - 07 Nov 19
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

**Team**

<b>Mr. A Chandra Mohana Rao</b> , Head	Ph : 040 – 66304171,	Mob : 9866185035
<b>Mr. R V Chalapathi</b> , Sr Faculty	Ph : 040 – 66304170,	Mob : 9963352282
<b>Mr. N Ravi Chander</b> , Sr Faculty	Ph : 040 – 66304175,	Mob : 9440892734
<b>Mr. J N Karamchetti</b> , Sr Consultant	Ph : 040 – 66304172,	Mob : 9849448218
<b>Mr. B Prahlad</b> , Adviser	Ph : 040 – 66304171,	Mob : 9440164367
<b>Mr. K V Ramana Murthy</b> , Manager (Programs)	Ph : 040 – 66304174,	Mob : 9949643084
<b>Mr. N Narasimha</b> , Asst. Manager (Programs)	Ph : 040 – 66304173,	Mob : 9346669197

**Email : [pe@escihyd.org](mailto:pe@escihyd.org) / [pe.esci@gmail.com](mailto:pe.esci@gmail.com)**