

Training Calendar

January – March 2020

"एनपीटीआई के साथ, पावर सेक्टर का सुनिश्चित सम्पूर्ण विकास"



Fifty Years of Service to the Power Sector



राष्ट्रीय विद्युत प्रशिक्षण प्रतिष्ठान
National Power Training Institute

विद्युत प्रणाली प्रशिक्षण संस्थान

Power Systems Training Institute
(Ministry of Power, Govt. of India)

(An ISO 9001: 2015 & ISO 14001: 2015 Organization)

Bangalore- 560070



Circular Letter

Sir,

Sub: Circular letter inviting nominations for the training courses - reg.

The National Power Training Institute (NPTI), Power Systems Training Institute (PSTI), Bengaluru invites nominations for the following courses proposed to be conducted during the **January – March, 2020** quarter. Further details of Courses and General Information are enclosed herewith.

Sl. No.	Course	Period	Course fee for Indian participants in Rupees including GST@18%	
			Non-Residential	Residential
1	Distribution Network Planning for UG Cable System	01 - 03 Jan., 2020	Rs.15,340/-	Rs.17,110/-
2	Power System Reliability	06 – 11 Jan., 2020	Rs. 28,320/-	Rs.39,471/-
3	Substation Planning & Engineering	08 – 10 Jan., 2020	Rs.15,340/-	Rs.17,110/-
4	High Voltage Testing of Power System Equipment	05 – 07 Feb., 2020	Rs.15,340/-	Rs.17,110/-
5	Refresher – I (PSO)	02 – 04 March, 2020	Rs.15,340/-	Rs.21,712/-
6	Switchgear and Transformer Maintenance	04 – 06 March, 2020	Rs.15,340/-	Rs.17,110/-
7	Refresher – II (PSO)	09 – 11 March, 2020	Rs.15,340/-	Rs.21,712/-
8	O&M of Power & Distribution Transformers	11 – 13 March, 2020	Rs.15,340/-	Rs.17,110/-
9	Condition Monitoring, RLA & LE of Substation Equipment	19 – 21 March, 2020	Rs.15,340/-	Rs.17,110/-

It is requested that the nominations for these courses may please be sent so as to reach this office at least 7 days before the commencement of the course by Post/Fax/Email.

It is also requested to furnish the fax, email addresses and telephone Nos. of the sponsoring authorities and the sponsored candidates for fast communication. All payments in respect of the above short term courses shall be done in advance as given in general information enclosed.

(Dr. V. VIDYASAGAR)
Director

Encl.: As above

January, 2020

1. Distribution Network Planning for UG Cable System				
Duration: 03 days	Non-Residential course fee inclusive of GST per participant		Residential course fee inclusive of GST per participant	
Schedule: 01 - 03 Jan., 2020	Rs.15,340/-		Rs.17,110/-	
<p>Course Outline:- Types of Networks & Preparations for UG Cabling, Introduction to Project Management, Planning & Management of Distribution systems Current rating of cables, AB Cables: Design & condition Monitoring UG Cable System, Conversion of OH Cables to ABC & UG, Planning & procurement of cables, Type of installations & corrective measures, Selection of route, Reconnaissance survey, preliminary survey, Engineering, design considerations for OH-UG Lines/Towers & Associated substations, Cable laying – Methods for LV, MV and HV cables, Preparations of DPR, Project Monitoring & Control, Project execution – Issues and Challenges with Case studies, Field Visits to UG Substation</p>				
2. Power System Reliability				
Duration: 06 days	Non-Residential course fee inclusive of GST per participant		Residential course fee inclusive of GST per participant	
Schedule: 06 – 11 Jan., 2020	Sponsored by SLDC	Others	Sponsored by SLDC	Others
	Nil	Rs.15,340/-	Rs. 6,372/-	Rs.21,712/-
<p>Course Outline:- Module 1: Basics of Power System, Basic Concepts, EHV AC Transmission and HVDC Transmission and Power System Planning Module 2: Power System Operation and Control, System Operation Concepts, Load Frequency Control, Voltage Control, Power System Restoration and FACTS and Power Transmission Control Module 3: Power System Analysis, Steady State Power Flow Analysis, Fault Analysis, Power System Stability and Power System Protection</p>				
3. Substation Planning & Engineering				
Duration: 03 days	Non-Residential course fee inclusive of GST per participant		Residential course fee inclusive of GST per participant	
Schedule: 08 – 10 Jan., 2020	Rs.15,340/-		Rs.17,110/-	
<p>Course Outline:- Planning of Substation & Preparation of Project Report, Layout of Substation, Choice of Switching Schemes and Bus Bar /Bay Design, Selection of Substation Main Equipment, Design considerations of Substation equipment and Earthing, Cost estimates of Sub-Station and case studies, Electrical Clearances and pre-commissioning inspection, Over Voltages & Selection of Surge Arrestors, Engineering of Protection System for Substation, Measurement of Soil Resistivity, Metering in Substation, Substation Automation, Field visits, Case studies</p>				

February, 2020

4. High Voltage Testing of Power System Equipment				
Duration: 03 days	Non-Residential course fee inclusive of GST per participant		Residential course fee inclusive of GST per participant	
Schedule: 05 – 07 Feb., 2020	Rs.15,340/-		Rs.17,110/-	
<p>Course Outline:- High voltage technology, Solid insulating media, liquid insulation media, Gas & Vacuum Insulation, Generation of high voltages for testing, High voltage measurements, High voltage testing of transformers, Testing of Circuit Breakers, Testing of Surge Arrestors, Testing of Insulators, Cables, Capacitors, High Power Testing of switchgear, Partial Discharges and Field visits</p>				

5. Refresher – I (PSO)				
Duration: 03 days	Non-Residential course fee inclusive of GST per participant		Residential course fee inclusive of GST per participant	
Schedule: 02 – 04 March, 2020	Sponsored by SLDC	Others	Sponsored by SLDC	Others
	Nil	Rs.15,340/-	Rs. 6,372/-	Rs.21,712/-
Course Outline:- Generation Technologies - Hydro, Thermal, Renewable etc. and discussion on model questions on the above mentioned topics, Substation - Layout and Bus Bar arrangements, Electricity Act 2003, Legal framework, Policies and Regulations, Review on - TTC, ATC, Reliability, POC and UI and Congestion charge regulations, Review on - Open Access, Terms and Conditions of tariff regulations, RESGI and PMU, Smart Grid and Metering, Ring Fencing, CEA grid connectivity standards, IEGC and Frequency Control, Reactive Power Management, Different Protection Schemes, State Estimation Techniques, EMS and SCADA				
6. Switchgear and Transformer Maintenance				
Duration: 03 days	Non-Residential course fee inclusive of GST per participant		Residential course fee inclusive of GST per participant	
Schedule: 04 – 06 March, 2020	Rs.15,340/-		Rs.17,110/-	
Course Outline:- Introduction of circuit breakers, Arc formation, Arc quenching etc., Constructional details of different types and makes of circuit breakers like air circuit breakers, minimum oil circuit breakers, air blast circuit breakers, vacuum circuit breakers, SF6 breakers etc., Insulating oil, identification, sampling and testing procedures, Oil Testing details for crackle testing, break down testing, oil filtration, Reading of schemes, control and wiring diagrams, Transformer construction details and Transformer maintenance procedures				
7. Refresher – II (PSO)				
Duration: 03 days	Non-Residential course fee inclusive of GST per participant		Residential course fee inclusive of GST per participant	
Schedule: 09 – 11 March, 2020	Sponsored by SLDC	Others	Sponsored by SLDC	Others
	Nil	Rs.15,340/-	Rs. 6,372/-	Rs.21,712/-
Course Outline:- Generation Technologies - Hydro, Thermal, Renewables etc. and discussion on model questions on the above mentioned topics, Substation - Layout and Bus Bar arrangements, Electricity Act 2003, Legal framework, Policies and Regulations, Review on - TTC, ATC, Reliability, POC and UI and Congestion charge regulations, Review on - Open Access, Terms and Conditions of tariff regulations, RESGI and PMU, Smart Grid and Metering, Ring Fencing, CEA grid connectivity standards, IEGC and Frequency Control, Reactive Power Management, Different Protection Schemes, State Estimation Techniques, EMS and SCADA				
8. O&M of Power & Distribution Transformers				
Duration: 03 days	Non-Residential course fee inclusive of GST per participant		Residential course fee inclusive of GST per participant	
Schedule: 11 – 13 March, 2020	Rs.15,340/-		Rs.17,110/-	
Course Outline:- State of the art of Transformer, Tests to check the adequacy of Transformers, Insulation Co-ordination of Transformers, Earthing, Loading, Maintenance & Protection of Transformers, Failure, Failure Analysis & Condition Monitoring of Transformers, Condition Monitoring of Transformer Oil, Diagnostic Monitoring by DGA with case histories, RLA of Paper Insulation by Furan Analysis and Field Visits				

9. Condition Monitoring, RLA & LE of Substation Equipment		
Duration: 03 days	Non-Residential course fee inclusive of GST per participant	Residential course fee inclusive of GST per participant
Schedule: 19 – 21 March, 2020	Rs.15,340/-	Rs.17,110/-
Course Outline:- RLA – Objective and Methods, Testing procedures and Methodologies, RLA of Oil filled transformers, RLA of Instrument Transformers, RLA of circuit breakers, RLA of other sub station switchgear, RLA of power cables, Failure analysis & condition monitoring of Transformer oil & testing, Testing & condition Monitoring of circuit breakers, Testing and calibration of substation meters and Field Visits		

General Information

1. Entry requirements:

- Engineers / Supervisors / Faculty of Private and Government Institutions/ Power Corporations / Utilities / Companies and Technical Educational Institutions may participate in the programs. The TA & DA of the participants have to be borne by the sponsoring authorities.
- The participants shall report at 9:30am on the first day of training program at PSTI.

2. Mode of Payment:

- Payments must be in the form of **e-transfer / DD** only in favour of **Power Systems Training Institute payable at Bangalore.**
- Name of the trainee & course shall be written on the backside of the DD.
- The bank transaction id and date shall be sent by mail to pstinpti@yahoo.com in case of e-transfers.

Bank Details in case of e-transfer:

- Name of the Beneficiary : Power Systems Training Institute, Bangalore
- Name of the Bank & Branch : State Bank of India, Banashankari II Stage Branch
- Address of the Branch : 9th Main Road, Banashankari-II Stage, Bangalore: 560070
- NEFT IFSC Code : SBIN0006767
- Account Type : Current
- Account No. : 10031210203
- MICR No. : 560002008
- RTGS IFSC Code : SBIN0006767
- GSTN: : 29AACAN2698A4ZG
- Pan No.: : AACAN2698A
- Tan No: : BLRP00338C
- SAC (Service Accounting Code) : Commercial Training 999293

Note: PSTI is a non-profit making educational institute. It does not come within the purview of I.T Act for deduction of tax at source vide 10(23C) (iii ab) of I.T Act 1961. Hence no tax deductions at source shall be done against PSTI payments. TAN No: BLR P00338C, PAN No.AACAN2698A.

3. SLDC Nominations for System Operation Courses: (Sl. No. 5, 7 & 9) "In line with the CERC's directions in response to Petition No. 222/MP/2015 dated 6.11.2015, the SLDC Incharge, sponsoring their executives to NPTI, PSTI's System Operation Courses (both Basic Level and Specialist Level), is requested to submit an undertaking that the SLDC system operators whose training is funded through LDC Fund will not be transferred from SLDC for at least 1½ (one and half) year from the date of completion of the training".

4. Address for correspondence:

- Nominations shall be sent at least 7 days before commencement of the course/workshop.
- Contact Persons: Sh. Dr. V. Vidyasagar, Director : +919421801203
Sh.Pamu Srinivasa, Deputy Director (Training) : +919448213089

The Head of Institute, Power Systems Training Institute, NPTI Near Yarab Nagar Bus Stop Banashankari 2nd Stage, Bangalore-560070, Karnataka State, India.	Tele Fax: 080-26713758 Hostel: 080-26718493 Phone: 26934360, 26934362,26934363 Email: pstinpti@yahoo.com (or) pstinpti.training@gmail.com Website: http://www.nptibangalore.in
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