

# National Power Training Institute

Power Systems Training Institute  
(Ministry of Power; Govt. of India)  
Bangalore: 560070

No. NPTI/PSTI/PSO/Refresher/2018-19/

Date: 28 January, 2019

## Circular

**Sub: 3 days Refresher Course on “Power System Operation” for Certified System Operators wishing to renew their Certificates – Reg.**

National Power Training Institute has been conducting the Power System Operation training programs and certification examinations since 2011. It has been observed that validity (3 years) of the System Operation Certificate for many of the System Operators has expired. **NPTI is pleased to announce a Refresher Training Program on “Power System Operation” ONLY for the Certified System Operators whose certificate has expired and who wish to renew their certificates.** The Refresher Training Program is scheduled at **PSTI, Bengaluru from March 07 – 09, 2019.** It may be noted that the next Basic Level Power System Operation Certification Examination has been scheduled on **March 31, 2019.**

The course is preferably residential in nature. The accommodation (twin sharing), boarding and lodging will be provided in NPTI, PSTI, Bangalore Executive Hostel. Training Manuals and Study Material will be provided to the participants of this Refresher Course. This course shall equip the System Operators with necessary inputs to take-up the basic level ‘**Power System Operation**’ **Certification Examination.**

The Course fee for the 3-day Refresher Training Program is as follows:

Schedule Date	Venue	Officers sponsored by SLDC/ STU			Officers sponsored by RLDCs/ NLDC			Contact Person
		Training Fee per participant	Boarding and Lodging Fee per participant	Total Fee per participant	Training Fee per participant	Boarding and Lodging Fee per participant	Total Fee per participant	
07 – 09, March 2019	PSTI, Bengaluru	NIL	Rs. 6,372/-	Rs. 6,372/-	Rs. 15,340/-	Rs. 6,372/-	Rs. 21,712/-	Sh. Suresh Babu, A.D, PSTI M:9886441203

(All fee components are inclusive of GST)

SLDCs/ STUs shall bear only the boarding and lodging fee component for the officers sponsored by them. The Training fee component shall be borne by the LDC Development Fund. RLDCs and NLDC shall however bear both the components of the course fee.

***The sponsoring authorities (SLDCs and STUs) shall submit an undertaking in the format enclosed with each list of nominations as per the directions of CERC in response to petition No. 222/MP/2015 dated 6.11.2015.***

The day-wise program is enclosed in the Annexure A. You are requested to sponsor your System Operators for this refresher course, clearly mentioning the date of expiry of their System Operation Certificates. It is proposed to accept nominations on First-Come-First-Serve basis.

Hence it is requested to send nominations at least 10 days in advance along with full details of the participants and the sponsoring authority. The payment of course fee may be made in advance in favour of "PSTI, Bangalore".

Thanking you.

Yours faithfully,  
Dr. V. Vidyasagar  
Director/ Head of the Institute  
9421801203

Encl.:

1. Day wise Program
2. Format of Undertaking

## Refresher Course on Basic Level Course on “Power System Operation”

### Day-wise Program

Day	Outline
Day - 1, FN	Overview on <ul style="list-style-type: none"> <li>• Generation Technologies - Hydro, Thermal, Renewables etc. and discussion on model questions on the above mentioned topics.</li> <li>• Substation - Layout and Bus Bar arrangements</li> <li>• Electricity Act 2003, Legal framework, Policies and Regulations</li> </ul>
Day - 1, AN	<p><b>Note: Relevant model questions will be discussed</b></p> Review on - TTC, ATC, Reliability, POC and UI and Congestion charge regulations
Day - 2, FN	<p><b>Note: Relevant model questions will be discussed</b></p> Review on - Open Access, Terms and Conditions of tariff regulations, RESGI and PMU
Day - 2, AN	<p><b>Note: Relevant model questions will be discussed</b></p> Review on <ul style="list-style-type: none"> <li>• Smart Grid and Metering</li> <li>• Ring Fencing, CEA grid connectivity standards</li> </ul>
Day - 3, FN	<p><b>Note: Relevant model questions will be discussed</b></p> Review on <ul style="list-style-type: none"> <li>• IEGC and Frequency Control</li> <li>• Reactive Power Management</li> <li>• Different Protection Schemes</li> </ul>
Day - 3, AN	<p><b>Note: Relevant model questions will be discussed</b></p> Review on <ul style="list-style-type: none"> <li>• State Estimation Techniques</li> <li>• EMS</li> <li>• SCADA</li> </ul>

(To be submitted along with the nomination letter duly typed on official stationary)

**UNDERTAKING**

I, \_\_\_\_\_ (Name),  
\_\_\_\_\_ (Designation) on behalf of  
\_\_\_\_\_ (name of SLDC) undertake that Mr/ Ms./ Mrs  
\_\_\_\_\_ (name of System Operator)  
whose Basic Level/Specialist Level (tick one) training is funded through LDC Development  
Fund shall continue to serve with LDC and shall not be transferred for a period of at least  
18 months from the date of completion of the training i.e. w.e.f.  
\_\_\_\_\_.

This undertaking is issued in line with the CERC's directions in response to Petition No.  
222/MP/2015 dated 6.11.2015.

\_\_\_\_\_  
(Signature of the SLDC In charge)

Place:

Date:

Seal