



## KERALA STATE ELECTRICITY BOARD

*Power Engineers' Training And Research Centre (PETARC)*  
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### NOTICE

*Training Programs for the month of **June 2013** at PETARC –*  
*Inviting nominations of Trainees*

The following training programs are proposed to be conducted at PETARC, Moolamattom for the month of **June 2013**:

Sl.No	Name of the program	Training days	Topics
1	Generation Management & Maintenance <i>(For AE / AEE)</i>	03.06.2013 to 07.06.2013	<ul style="list-style-type: none"><li>• Maintenance of Hydro Generators</li><li>• Maintenance of Turbines</li><li>• Exciter &amp; Controls and PLC based control of Power Stations</li><li>• Vibration Analysis and Dynamic balancing</li><li>• Water Conducting Systems &amp; Water Turbines</li></ul>
2	LD & Power Management <i>(For AE / AEE)</i>	10.06.2013 to 13.06.2013	<ul style="list-style-type: none"><li>• Power scenario- India, Kerala -Principles of Load dispatch, Integrated operation of power system' Power flow -SCADA, EMS, ULDC- Data acquisition - Regional grid, Kerala grid - Load forecast - Hourly variation , Seasonal variation of demand, LGB, Scheduling of power, Deviation from schedule</li><li>• Generation capacity vs Availability of power, Spinning reserve, Central share, Voltage dependence and frequency dependence of load, Peak management - Annual planning- Power balance, energy balance - Sources of Power –Cost, Merit order dispatch Concept, Hydel planning, maintenance planning, Purchase plan</li></ul>

			<ul style="list-style-type: none"> <li>• Acts &amp; Regulation - Agencies involved and their roles- CEA,CERC, SERC - Govt. control-Central Sector agencies -NTPC, PGCIL - PFC, REC (funding agencies) - Renewable energy- Various sources- Incentives- Difficulties- REC mechanism- Carbon trading, Power purchase agreements - Different ways of power purchase</li> <li>• Visit to SLDC, Kalamassery</li> </ul>
3	<p>Safety Awareness Program for Distribution Engineers</p> <p><i>(For engineers in Distribution Wing)</i></p>	<p>21.06.2013 to 22.06.2013</p>	<ul style="list-style-type: none"> <li>• Introduction to Safety – Alarming statistics - Impact of Accidents on Personal- Organizational – Financial- Public -with case studies</li> <li>• Fire fighting</li> <li>• Accidents - Causes and precautions, Safety Manual</li> <li>• First Aid</li> </ul>
4	<p>Orientation Training Program for Asst. Engineers</p> <p><i>(For AE)</i></p>	<p>24.06.2013 to 29.06.2013</p>	<ul style="list-style-type: none"> <li>• Overview of KSEB, Kerala Power System, Power Generation and Power Transmission</li> <li>• Electricity Act 2003, Supply Code 2005, Terms &amp; conditions of supply</li> <li>• Electricity Metering &amp; Prevention of power theft</li> <li>• Electrical Safety, Electrical Accidents and Accident Reporting</li> <li>• Distribution Transformer Maintenance, CDRF, CGRF, RI Act</li> <li>• Team Building, Leadership &amp; Decision making</li> <li>• Visit to Power House, Moolamattom</li> <li>• Office Management &amp; Role of AEs in KSEB</li> </ul>

***Officers who would like to attend these Training Programs, may forward their nominations through controlling officers so as to reach PETARC at the earliest.***

Please note that those who are selected from the nominations will be intimated in due course.

Sd/-  
**DIRECTOR**  
**PETARC, Moolamattom**