# Programme On
Root Cause Analysis for Failure of Electrical Equipment

17 - 19 February, 2014
Conference Hall, CBIP, New Delhi

### Registration Form
(To be filled in block letters preferably)

<table>
<thead>
<tr>
<th>Delegate</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Surname)</td>
<td>(First Name)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Organisation</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Mailing Address</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>City</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>State</th>
<th>PIN</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Email</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Dated</th>
<th>Signature</th>
</tr>
</thead>
</table>

Registration Form, duly filled in, is to be mailed to the following address:

Shri V.K. Kanjlia  
Secretary  
Central Board of Irrigation and Power  
Malcha Marg, Chanakyapuri, New Delhi 110 021, India  
Tel : 91-11-26115984/26116567 Fax: 91-11-26116347  
Email : malhotraak@cbip.org M: 9650991147;  Web-site: http://www.cbip.org

**Note:**
- Photocopies of the registration form can be used for additional requirements, if any.
- Spot registration facilities will also be available, provided the prior information is received.
ABOUT CBIP

CBIP has been organizing number of national and international training programmes to help the Indian engineers to update their knowledge and help them to gain practical know how in the field of power, renewable energy and water resources. CBIP is an ISO 9001:2008 certified organization and has been conducting seminars, workshops, consultancy assignments in advance technology. The institute has been conducting PGDC in Thermal (52 weeks) and PGDC in T&D (26 weeks) programme for fresh passed-out engineers in the area of Electrical, Mechanical, Electronics and Control & Instrumentation. The curriculum being followed as per the Indian Electricity Rules.

PROGRAMME NAME

Root Cause Analysis for Failure of Electrical Equipment

PROGRAMME OVERVIEW

Generators and transformers are the crucial and most capital intensive equipment of power generation process and any problem developed in these results in long outage of the unit. Hence, Reliability and availability of these equipment are very much important for healthy power system. To bring awareness among the electrical maintenance engineers and to have an understanding about the strategies required for improving reliability of these equipment, CBIP has taken initiative to conduct this three day programme. This programme will also serve to expose the engineers to the various testing tools used and diagnostic procedures relied upon for predicting and identifying the root causes of failure and achieving the solutions.

PROGRAMME OBJECTIVE

At the end of the programme, the participants shall be able to:

• Describe the failure modes of Electrical Equipment.
• Analyze the course of failures.
• Formulate strategy for avoiding such failures in future.

FOCUS OF THE PROGRAMME:  (An Indicative List of Topics)

• Maintenance strategy of power equipment
• Factors affecting the life of Power Producing Equipment
• Failure analysis of power equipment
• Reliability Centred Maintenance
• Testing methodologies
• Preventive maintenance as well as trend monitoring of Electrical Equipment
• Case studies of fault and their remedial action.

METHODOLOGY

The programme would be delivered through class room sessions, interactive group discussions and case studies.

FACULTY

Eminent Guest faculty from manufacturing organizations, academic & consulting institutions, CEA, NTPC, BHEL, POWERGRID, CPRI, MoP etc., shall be sharing their in-depth experiences with the participants.

WHO MAY ATTEND

Executives working in operation, maintenance, design, erection and R&D department of electrical equipments & systems.

VENUE : CBIP, Malcha Marg, Chanakyapuri, New Delhi-110021.

DURATION : 3 Days

DATE : 17-19 February, 2014

PROGRAMME FEES

Residential: Rs. 13,500/- + (twin sharing basis in a hotel) + Service Tax @ 12.36%
Non Residential: Rs. 9,000/- + Service Tax @ 12.36%

All payments should be made by cheque at par/Demand Draft drawn in favour of “Central Board of Irrigation and Power” payable at New Delhi.

PROGRAMME COORDINATORS

Shri S.K.Ghosh     Shri D.L.Das
Advisor (Training)  Jt. Advisor (Training)

CONTACT PERSONS

Shri C.S. Malik     Shri S.K.Ghosh     Shri D.L.Das
Director (Energy) Advisor (Training)  Jt. Advisor(Training)
M: 9971880510    M: 9818737480    M: 9868276133
Email : malikcs@cbip.org  ghoshsk@cbip.org  dasdl@cbip.org

Central Board of Irrigation & Power
Malcha Marg, Chanakyapuri, New Delhi – 110021