

Workshop on
POWER SYSTEM PROTECTION
AND AUTOMATION

(Under the aegis of CIGRE-NSC B5 on Protection & Automation)

14 - 15 March 2019, Patiala



KEY SPEAKERS



Subhash Thakur
Chairman, CIGRE NSC B5



S.G. Patki
Former Chairman, CIGRE NSC B5



Kamin Dave
Member, CIGRE NSC B5

Organised by



**Central Board of
Irrigation & Power**



CIGRE-India

In association with



**Punjab State Power Corp. Ltd.
(PSPCL)**

INTRODUCTION

Central Board of Irrigation & Power (CBIP) has been organizing conferences/workshops on “Power System Protection” regularly in the past in various regions of the country with a view to disseminating technical knowledge to the professionals in this specialized field. CBIP had earlier organized Conferences/workshop on this subject in the years 1998, 2001, 2004, 2007, 2009, 2010, 2011, 2012, 2014 & 2018 which were great success and largely appreciated.

The matter regarding organization of Workshop on “Power System Protection & Automation” at Patiala was discussed with Punjab State Power Corporation Limited (PSPCL) and joint decision has been taken between PSPCL & CBIP to organize Workshop on ‘Power System Protection & Automation’, at Patiala for the benefit of Professionals in the Northern Region including the Engineers belonging to PSPCL.

Accordingly CBIP jointly with CIGRE-India and Punjab State Power Corporation Limited (PSPCL) is organizing a Workshop on ‘Power System Protection & Automation’, on 14-15 March 2019 at TTI, Shakti Vihar, PSPCL, Patiala, Punjab.

AIM & OBJECTIVE

Power supply has become so important component for development of our country that serious efforts have to be made to provide a reliable power system. Increasing demand on the power system increases the likelihood of complex problem of system instability and therefore requires effective protection system. Modern substation with digital protection and control systems are meeting these requirements through the use of innovative technologies and designs. With technological and scientific advancements, more and more sophisticated protection relays are entering the market every year and new features and enhancements are available for protection engineers. With the aim to acquaint the professionals about the latest technologies in the protection system and to discuss the various problems related thereto with a purpose to improve the knowledge of professionals and to improve performance of electrical power systems, this Workshop on Power System Protection has been planned at short notice.

CALL FOR CASE STUDIES

Renowned experts in field of Protection and Automation Shri S.G. Patki, Shri Subhash Thakur and Shri Kamin Dave has been invited to deliver the lecture during this Workshop. Eminent experts from Utilities, Manufacturing organization and academic institutes shall also be invited to present the case studies. Experts who desire to participate for making presentation on different aspects of Protection including case studies are requested to furnish the write-ups to CBIP office latest by 28th February 2019.

TOPICS

The following topics will be deliberated during the course of two days deliberations of the Workshop:

1. Basics of Protection
2. Protection and Monitoring of Main Plants and Transmission Circuits
3. Conventional Instrument Transformers and Novel Sensors
4. Substation Automation and Remote Control
5. Monitoring, Metering, Recording and Overall Power System Protection
6. Asset and Information Management, Maintenance, Training and Education
7. Case Studies on Protection Performance and Analysis
8. Latest Trends & Experience of IEC 61850 based Automation
9. PMU: Role and Impact in Power System Protection
10. End to End Testing of Line Differential Relays
11. Motor Protection
12. Power System Protection and Automation – Utilities Experience

DATE AND VENUE

The Workshop will be held on 14-15 March 2019 (Thursday & Friday) at TTI, Shakti Vihar, PSPCL, Patiala, Punjab.

REGISTRATION

The perspective participants, desirous of attending the Workshop may register themselves by sending the following details to CBIP along with necessary payments:

Delegate Name: _____ Designation: _____
 Organization: _____
 Mailing address: _____
 Phone/Fax/E-mail: _____

The workshop is non-residential and timing will be 10.00 AM to 5.00 PM on both the days. The registration will start at 9.00 AM on day one at the venue of the workshop.

The registration fee for attending the Workshop is given below:

1. Rs. 12,000/- per participant
2. Discounted fee for members of CBIP and CIGRE is Rs. 10,000/- per participant

Registration fee shall cover the registration kit, and Tea/ coffee / lunch during the Workshop. Participants will have to make their own arrangement for travel, boarding and lodging, etc.

PAYMENTS

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 or by transfer the amount to HDFC Bank,

Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi 110001

Saving Bank Account No. : 00031110004411 Swift Code: HDFCINBBDEL

IFSC: HDFC 0000003 MICR Code: 110240001

GST @ 18% shall be charged extra

GST No. 07AAAJC0237F1ZU

CALL FOR ADVERTISEMENTS

A limited space for insertion of advertisements in the Workshop proceedings is available at the following rates:

Position	Charges for Colour Advertisements
Back cover page	35,000
Second or third cover page	25,000
Full page (A4)	20,000

Note : Material required in Pdf format or Coreldraw file.

SPONSORSHIP & PRIVILEGES

The Workshop provides an effective opportunity for sponsoring companies to promote their products/services to a focused audience, besides networking with engineers of utility, manufacturers and academic institutions during tea/ coffee and lunch intervals. Sponsors are assured of full visibility with printing of their names on proceedings, banners and other publicity material related to Workshop and will have the privilege of distribution of their product’s pamphlets/ catalogues during the Workshop. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

Category of Sponsorship	Fee in Rs.	Privileges
Platinum Sponsor	3,00,000	<ul style="list-style-type: none"> • Display of Logo on Main banner & other publicity material • Free Delegates in the Workshop (10 Nos.) • Free editorial in the proceedings (2 pages) • Advertisement in Proceedings • Table space for display of services at the venue
Gold Sponsor	2,00,000	<ul style="list-style-type: none"> • Display of Logo on Main banner & other publicity material • Free Delegates in the Workshop (06 Nos.) • Free editorial in the proceedings (1 page) • Advertisement in Proceedings • Table space for display of services at the venue
Silver Sponsor	1,00,000	<ul style="list-style-type: none"> • Display of Logo on Main banner & other publicity material • Free Delegates in the Workshop (03 Nos.) • Advertisement in side Proceedings

ADDRESS FOR CORRESPONDENCE

V.K. Kanjlia, Secretary

P.P. Wahi, Director

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

Phone: 011 26115984/1294/26116567; Fax: 011 2611 6347 E-mail: batra@cbip.org; cbip@cbip.org;

Contact Person at CBIP : S.K. Batra, Chief Manager (Tech), M: 9811943812

Nodal Officer at PSPCL for local assistance

Er. Amarjit Singh Rosha

Assistant Engineer O/o Principal TTI

Punjab State Power Corporation Limited

Badungar, Patiala Mobile: 9646125111 E-mail: principalhrd_enspcl@yahoo.com

Notes:

1. All correspondence should be addressed to the Secretary, Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi 110 021.
2. 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.
3. Participants will have to make their own arrangement for travel, boarding and lodging, etc.

ABOUT FACULTY



Shri S.G. Patki, Former Chairman CIGRE National Study Committee on Protection & Former Vice President, Tata Power Company Limited. In his career spanning 39 years, he has worked in various functions such as Electrical Testing and Commissioning, Power system Protection and Automation, operations and Maintenance of Transmission & distribution, Engineering and procurement, IT services. Shri Patki has contributed several Technical Papers in National and International conferences and participated in several committees/working groups at national and international level in areas of Electrical condition monitoring, Power system protection and Automation, Metering. He is active member of CIGRE. Shri Patki Chairs the Managing Committee of ERDA (Electrical Research and Development Association and is Past President of ERDA. He represents Tata Power on India Smart Grid Forum. He has served on the Boards of M/s Powerlinks Transmission Limited and M/s Yashmun Engineers Ltd. as nominee. He has received CBIP distinguished member award in 2016.



Shri Subhash Thakur is Chairman CIGRE National Study Committee B5 on Protection and Addl. General Manager, NTPC Ltd. Shri Subhash Thakur completed his B.E. (Electrical & Electronics) from Birla Institute of Technology, Mesra, Ranchi in 1991 and M. Tech (Power Generation Technology) from IIT, Delhi. He has having vast experience in the field of Power System Protection and Automation including Design of Substation Automation System, technical specification, engineering, Factory acceptance test and Site acceptance test & commissioning support. Shri Thakur is also representing as Member in ET 34: Instrumental Transformers and ET 35: Power Systems Relays Sectional Committee of the Bureau of Indian Standards Electro Technical committee



Shri Kamin Dave has more than 20 years of experience in the area of Relay design & development, Power system design, system studies (SC, Load flow, Relay-coordination's, unit protection settings, stability studies, harmonic analysis etc.), Testing, Commissioning and Application of protective relays, SCADA & Wide Area Monitoring system, diagnostic testing of electrical equipments like generator, transformers, CT etc, operating philosophy of power plants. He had worked as an Mkt & Application Engineering Manager at Schweitzer Engineering Laboratories, India and had been heavily involved with customer presentations, implementations of various features into the SEL products, Power System Protection applications etc., He had also worked as an Mkt & Application Manager for Doble Engineering Company. He is graduated in electrical engineering, also received professional academic education & certificates on power system study, Advance power system protection & electrical equipment diagnostics from academic institutes (Indian Institute of Technology). He has received senior executive education on International Business Management from Indian Institute of Management.