

WHO SHOULD ATTEND?

The National Conference will be of special interest to Central Govt. / State Govt. /SEBs, Power Utilities/Corporations, Regulators, Researchers/Academicians, Manufacturers, Planners, Operators, Consultants, Electrical Contractors, etc.

REGISTRATION FEE

	Delegate	Delegate from State Utilities	Delegate from North Eastern Region Utilities
Registration fee per participant	Rs. 12,000/- 10% concession for CBIP Members.	Rs. 6,000/-	Rs. 3,000/-

Service Tax 12.36% extra

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

Delegate Name:
Designation:
Organisation:
Mailing address :.....
Phone/Fax/E-mail:

SPONSORSHIP OPPORTUNITY

Sponsors are assured of full visibility with printing of their names on proceedings and banners of the National Conference and will have the privilege of distribution of their product's pamphlets/catalogues during the National Conference. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

	Category	Fee in Rs.	Free delegates
1.	Gold Sponsorship	3,00,000	10
2.	Silver Sponsorship	2,00,000	6
3.	Support	1,00,000	3

PAYMENTS: All payments are to be made through Banker's Cheque at par in favour of 'Central Board of Irrigation and Power' payable at New Delhi or Bank Remittance to : HDFC Bank, Address: G-3/4, Suryakiran Building, 19 K.G. Marg, New Delhi 110 001
Saving Bank Account No. : 00031110004411 Swift Code : HDFCINBBDEL
IFSC : HDFC 0000003 MICR Code : 110240001

ADDRESS FOR CORRESPONDENCE

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Information Bulletin

National Conference on Gas Insulated Substations

**28th February – 1st March 2013
New Delhi**



Organised by



Central Board of Irrigation
and Power

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AIM AND INTRODUCTION

With ever increasing demand of electrical energy there is need for additional substations. For conventional substations, the yard equipment occupies comparatively large area in addition to the area required for construction of Control Rooms. It is estimated that Gas Insulated Substations require approximately one tenth of the area required for conventional substations in view of the fact that Gas Insulated Switchgear is enclosed in metallic chambers.

It is becoming more and more difficult to acquire land for generation, transmission and distribution projects. Earlier getting land in metros was difficult and costly. Now acquisition of land even in towns and rural areas is also becoming difficult and costly. The environmental requirements are also becoming important. Therefore the need is to use more and more of GIS installations to economise on land requirements. Large number of Gas Insulated substations are already in operation at different voltage levels. Many more such substations are under construction and in planning stage. With the increased use of Gas Insulated substations, the cost of these substations is coming down which was a major concern earlier. More and more units for manufacturing GIS equipment are being set up in the country which have improved supply of spares, services and timely repair of these equipments.

In view of lesser availability of land, difficulty in acquisition of land, development cost of land, environmental conditions, cost of resettlement and rehabilitation of affected people, there is need for wider use of Gas Insulated substations.

The main advantages of GIS are as under:

- Compactness/ Lesser Land requirements
- Suitable for Mountainous zones
- Environmental conditions
- Replacement/up gradation of AIS due to growing power demand
- Reliability
- Safety
- Applicability to strategic locations
- Aesthetics

The Central Board of Irrigation and Power has already organized three important National Conferences on GIS. In view of the pressing demand CBIP has again taken initiative in organizing another conference on GIS on 28th February & 1st March 2013.

A Base Paper containing status of GIS installations, issues & challenges shall be circulated separately. Revised Manual on GIS also is being prepared by CBIP which shall be released during this conference.

TOPICS

Various topics of interest have been identified for deliberation during the National Conference

1. Design issues
2. Materials used in GIS and their particular properties
3. Erection & Commissioning problems
4. Operation & Maintenance problems
5. Condition Monitoring of GIS

6. GIS Technologies & benefits of GIS vis-a-vis AIS
7. Status of manufacturing facilities of GIS equipments in the Country and future plans of manufacturers for expansion of their facilities.
8. Case Studies
9. Misc. Issues

IMPORTANT

The presentations in this National Conference should focus on various aspects of GIS alongwith some Case Studies. Experts who desire to submit case studies or present paper on different aspects of GIS are welcome to submit their papers by 20th February 2013.

FACULTY



International expert Mr. Robert Brinzer from Glasgow has already confirmed his participation as faculty:

He is an independent consultant for the design, installation and operations of High Voltage Plant with special emphasis on GIS and associated lifetime optimization and reliability issues.

Mr. Robert was previously Business Development Manager for Qualitrol Diagnostic Monitoring Systems (DMS), Glasgow UK where he was responsible for developing market awareness for UHV equipment. He was involved in innovative projects to provide complete condition monitoring solutions for GIS

installed in critical power plants in Asia.

Mr. Robert joined DMS in 2004 after over 18 years experience working for ABB High Voltage Technologies in Zurich, Switzerland, one of the leading manufacturers of UHV GIS.

He has extensive knowledge of all aspects of GIS technology, this includes, design and type testing, solid and gaseous insulation materials, SF6 gas management, engineering, manufacturing, factory and site testing, installation, commissioning, maintenance, reliability and fault finding.

He has previously held positions in ABB/BBC as Head of GIS and LTB Service, Manager of GIS Project Engineering Department and Quality Manager for the Construction Department.

Prior to joining BBC he was employed in Eskom South Africa, holding the positions of Senior Engineer Substation Design, project manager for 765 kV GIS substations where he supervised the delivery of the two first commercial 765 kV GIS Substations.

PRESENTATIONS BY OTHER EXPERTS

Besides Mr. Robert, presentations will be made by the other International experts, from CEA, Indian Manufacturers like Alstom, ABB, Siemens etc. and from utilities like Power Grid, Tata Power Company, etc.

DATES AND VENUE

The National Conference will be held on 28th February – 1st March 2013 at **Vishwa Yuvak Kendra, (International Youth Centre)**, Circular Road, Opp. Chanakyapuri Police Station, Teen Murti Marg, Chanakyapuri, New Delhi-110021



Central Board of Irrigation & Power

An ISO 9001 : 2008 Organization

No. 8-1000 /CBIP/Conference/Power/GIS

Dated 2nd February 2013

To

All concerned

Sub: National Conference on Gas Insulated Substations on 28th February – 1st March, 2013 – Request for nominations - reg.

Dear Sir,

With ever increasing demand of electrical energy there is need for additional substations. For conventional substations, the yard equipment occupies comparatively large area in addition to the area required for construction of Control Rooms. It is estimated that Gas Insulated Substations require approximately one tenth of the area required for conventional substations in view of the fact that Gas Insulated Switchgear is enclosed in metallic chambers.

The Central Board of Irrigation and Power has already organized three important National Conferences on GIS. In view of the pressing demand CBIP has again taken initiative in organizing another conference on GIS on 28th February & 1st March 2013 at Vishwa Yuvak Kendra, (International Youth Centre), Circular Road, Opp. Chanakyapuri Police Station, Teen Murti Marg, Chanakyapuri, New Delhi-110021 in association with Qualitrol.

Mr. Robert Brinzer is the main faculty for this Conference. He is an independent consultant for the design, installation and operations of High Voltage Plant with special emphasis on GIS and associated lifetime optimization and reliability issues. Mr. Robert was previously Business Development Manager for Qualitrol Diagnostic Monitoring Systems (DMS), Glasgow UK where he was responsible for developing market awareness for UHV equipment. He was involved in innovative projects to provide complete condition monitoring solutions for GIS installed in critical power plants in Asia. Mr. Robert joined DMS in 2004 after over 18 years experience working for ABB High Voltage Technologies in Zurich, Switzerland, one of the leading manufacturers of UHV GIS. Besides Mr. Robert, presentations will be made by the other International experts, from CEA, Indian Manufacturers like Alstom, ABB, Siemens etc. and from utilities like Power Grid, Tata Power Company, etc.

The topics for National Conference as mentioned in the Information Bulletin (enclosed herewith) have been identified keeping in view the present-day scenario and we are sure that the deliberations during conference will go a long way in updating the knowledge of participants and they will have an excellent opportunity to interact and exchange their views.

We solicit your co-operation and look forward to receive nominations from your organization for the above conference in making the event a grand success.

Thanking you,

Yours faithfully

V.K. Kanjlia
Secretary

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