



Energizing Engineering - Empowering Engineers



ISO 9001 : 2008

# Institute of Piping Engineering & Building Services

P. G. DIPLOMA CERTIFICATE - ONLINE TRAINING COURSE



## ASME B 31.8 GAS TRANSMISSION & DISTRIBUTION PIPING SYSTEMS

### Course Co-Ordinator:

Mr. Mohammed Kamaluddin Ahmed  
Pipeline & Pumps Specialist.  
Certified Engineer – Saudi Aramco, KSA.  
International Trainer & Course Speaker.

### IPEBS

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## **ABOUT IPEBS**

**IPEBS** was established with a vision to offer proactive training & consulting services for design, construction, Inspection, Operation & Maintenance of Process Plants & Building Services including

- a) Process Plant Engineering: Plant 3d-Modelling, Process Equipment, Piping Engineering, Pipeline Engineering, Valves, Rotating Equipments, Piping QA/QC & Inspection.
- b) Electro-Mechanical Building Services (MEP 3d Modeling, HVAC, Plumbing, Fire Protection & Electrical Systems)

## **IPEBS - CONSULTING**

**IPEBS** team comprises of engineers and designers having extensive real time experience in the design, construction, inspection, Operation & Maintenance of Process Plant Engineering and Building Services.

## **IPEBS - TRAINING**

Thousands of Engineers, Designers, Draftsman and Technicians have attended **IPEBS** training programs. On a national basis, **IPEBS** is now unquestionably the number one professional Plant Engineering, Piping Engineering & MEP course provider.

## **ABOUT TRAINING PROGRAM**

This course is focused on transmission pipelines and is based on ASME B 31.8 code, which is the most widely used code for design, operation, maintenance & repair of natural gas distribution and transmission pipelines. Detail is provided on the piping code provisions, the principal intentions of the code, and how the code should be used.

The emphasis of the course is on transmission pipelines and includes case studies and practical exercise to consolidate learning.

The **Online Training Course** is developed by the faculty of **IPEBS**, who are International Course Speakers and have more than 20 years work & training experience individually.

## **COURSE OBJECTIVES**

At the completion of the course participants will be able to:

- Understand causes and modes of pipeline failure
- Determine considerations for pipe fabrication and material specifications
- Carry out the evaluation of pipeline defects
- Have a greater appreciation of pipeline repair techniques
- Allowable Stress Limits for Aboveground and Buried Piping

## **PROGRAM FEATURES**

- ✓ In-depth course content for easy understanding.
- ✓ Blended Learning: Online contact with faculty.
- ✓ Accessibility to Course Faculty & Counseling Services.
- ✓ Job oriented training program.
- ✓ Student will be job ready, after the course.
- ✓ Student will acquire skills and knowledge similar to working professional.

## **WHO SHOULD ATTEND**

- **Graduating College Students in the following disciplines**

- ✓ Mechanical Engineers
- ✓ Chemical Engineers
- ✓ Petroleum Engineers
- ✓ Production / Industrial Engineers
- ✓ Diploma / ITI

- **Working Professionals**

- ✓ Piping Design / Layout Engineers
- ✓ Pipeline Engineers
- ✓ Project Managers
- ✓ Gas Pipeline Engineers
- ✓ Gas Facilities Engineers
- ✓ Pipeline Inspection & Code Compliance Personnel
- ✓ Operation & Maintenance Personnel
- ✓ Regulatory Personnel
- ✓ Piping QA / QC Engineers

- **Corporate / Organizations**

- ✓ EPC Companies
- ✓ Piping Equipment Manufacturing Companies
- ✓ Piping Consultants
- ✓ Piping Contractors
- ✓ Thermal Power Plants Industry
- ✓ Ship Building / Marine Industry

## **COURSE MODULES:**

- ✓ **Course Introduction**
- ✓ **History & Background of Code**
- ✓ **Pipe & Materials Selection**
- ✓ **Pipeline Welding for Construction**
- ✓ **In-Service & Maintenance Welding**
- ✓ **Piping System Components**
- ✓ **Longitudinal Stress design for Above Ground Piping**
- ✓ **Flexibility Analysis**
- ✓ **Pressure Design & Location Classifications**
- ✓ **Fracture Control Aspect of Pressure Design**
- ✓ **Pipeline construction & repairs**
- ✓ **Hydrostatic Proof Testing**
- ✓ **Operation & maintenance provisions**
- ✓ **Corrosion & Defect Assessment**
- ✓ **Pipeline Integrity Threats**
- ✓ **Impact hazard radius**

**Course Fee Details:**

Course Title	Fee for Indian Participants	Fee for International Participants
<b>Pumps – Application, Operation, Maintenance &amp; Troubleshooting – Online Training Course</b>	<b>INR 20,000/-</b>	<b>USD 500/-</b>

For making e – payment for the course fee please find **IPEBS** Bank account details below.

Account Name	<b>IPEBS</b>
Account Number	<b>03182020005287</b>
Bank Name	<b>HDFC</b>
Branch	<b>ABIDS</b>
RTGS / NEFT / IFSC Code	<b>HDFC0004125</b>
SWIFT Code	<b>HDFCINBB</b>

**IPEBS Corporate Training Clients:**

<b>Company Name</b>	<b>Location</b>	<b>Company Name</b>	<b>Location</b>
Intergraph Consultants	India	SPPC	Sudan
Port of Sohar	Oman	CFPE Technology Solutions	Malaysia
Uhambiso Consultant	South Africa	Qatar Petroleum Technical Center	Qatar
Newtech Consulting Group	Sudan	Petro Vietnam Marine Shipyard	Vietnam
Yashada Consultant	India	Locus Technologies	India
Telstar Life Science Pvt Ltd	India	RasGas	Qatar
BHEL	India	ICB Technimont	India & Italy
IDC Training House SDN BHD	Malaysia	LG-Digitech	Sudan
Sakhlain Energy	Russia	Infotech Enterprises	India
Aveon Offshore	Nigeria	Petroleum Operating Company	Sudan
BPCL	Bhutan	Dr. Reddy's Labs	India
Saitech Engineers	India	Vasavi Power Services	India
Riyan Architects	Maldives	Siddhi Consulting	India
Oryx GTL	Qatar	Qatar Petroleum	Qatar
WNPOC	Sudan	Centroid Technical Services	Sudan
GNPOC	Sudan	MG – Vowgas Group	Nigeria
Fleming gulf	UAE	DAL Group	Sudan

### **Terms & conditions:**

**CANCELLATIONS: IPEBS** does not provide refunds for Cancellations done after registration & fee payment. However, credit maybe granted to a later program. This credit will be available for up to one year from the date of issuance.

**COURSE MATERIAL AGREEMENT:** It is the intention of **IPEBS** that the course text and materials supplied to participants at **IPEBS** courses are prepared and issued for the participants' sole use. Codes and standards constantly change and interpretations are issued by the publishing societies. Information contained in **IPEBS** course materials is based on the best available data obtained by **IPEBS** at the time of publication. **IPEBS** is in no way responsible for subsequent use regardless of intention.

**PROGRAM CHANGE POLICY:** Please note that instructors and topics were confirmed at the time of publishing this document; however, circumstances beyond the control of the training organizers may necessitate substitutions, alterations or cancellations

of the instructors and/or topics. As such, **IPEBS** reserves the right to alter or modify the instructors and/or topics if necessary. Any substitutions or alterations will be updated on our web site.

**COURSE CANCELLATION BY IPEBS: IPEBS** reserves the right to cancel any course due to circumstances beyond our control. All tuition fees will be refunded in the event of cancellation. **IPEBS** liability is limited to only those tuition fees paid in advance.

**FORCE MAJEURE:** Except for the obligations to make money payments as outlined hereunder, neither party shall be responsible to the other for delay or failure to perform any of the terms and conditions, or other activities, of this agreement if such delay or failure is caused by strike, war, act of God, or force majeure.

## **Frequently Asked Questions – FAQ's**

### **Duration of the course?**

**Ans:** Course Duration is 03 Days.

### **Daily Class Duration?**

**Ans:** Morning **09:00am** to **05:30pm** with appropriate Lunch & Tea breaks.

### **Requirement for the course?**

**Ans:** Computer / Laptop with good internet connection, Camera and Mic.

### **Support from IPEBS?**

**Ans:** Faculty assigned to all registered participant of the course. Faculty not only helps to clear the participant's queries while doing the course but also monitors the progress of the participant to help in successful completion of the course.

### **Mode of Payment?**

**Ans:** You can make the payment through electronic transfer or at IPEBS office.

### **Issue of Certificate?**

E - Certificate will be issued by **IPEBS** only on successful completion of the course & will be sent via email to the participant.

### **Training Methodology?**

**Ans:** Online streaming of lectures, contact with faculty by email or chat groups.

### **Training Material?**

**Ans:** Printed Material – Course / Class handouts will be provided in printed format and shipped (within India) to the participants.

Soft Copy Material - Data tables, charts, nomographs, drawings, concept theory, design calculations and practice exercise's will be provided in soft copy.

Demonstration software's and excel spread sheets will be provided.

**\*\*** International Shipping charges of printed material - course / class handouts to be borne by participants.