



Energizing Engineering - Empowering Engineers

Certificate Course

On

PROCESS PIPING DESIGN & ENGINEERING AS PER ASME B 31.3

(Distance Learning Programs)

IPEBS

206, 02nd Floor, B – Block,

Mayur Kushal Complex, Abids,

Beside Chermas Showroom,

Hyderabad. 500001. Telangana (INDIA).

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Web: www.ipebs.in

Course Co-Ordinator

Mr. Shams Tabrez

Mechanical Engineer

(Specialized in Piping Engineering)

International Course Speaker

About IPEBS

IPEBS was established with a vision to offer proactive training & consulting for design & construction of Electro-Mechanical Building Services (MEP 3d Modeling, HVAC, Plumbing, Fire Protection & Electrical Systems) and Process Plant Engineering (Plant 3d Modeling, Process Piping Engineering, Pipe Stress Analysis, Pipeline Design & Construction).

IPEBS - Consulting

IPEBS team comprises of engineers and designers having experience in the design and construction of Electro-Mechanical (MEP) Building Services & Process Piping Engineering for Oil & Gas, Petrochemical & Process Plants

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 Piping Engineering & MEP course provider.

About Training Program

Process Piping Design & Engineering as per ASME B 31.3 – Distance Learning Program

This is a comprehensive program designed to present all major topics relative to the Process Piping Drafting, Detailed Engineering / Layout Engineering of Piping Systems, Mechanical Design, Hydraulic

Design, Construction of Piping Systems and Stress Analysis of Process Piping Systems.

The program also covers Process Equipments, Plant Layout, and Mechanical & Hydraulic Design of Pipelines. It is one of the Unique Training Program which covers comprehensive Static Stress Analysis of Piping Systems.

PROGRAM FEATURES

- ✓ Pace of Training is your choice
- ✓ In-depth course material for easy understanding
- ✓ 6 Times contact with faculty (once in a week)
- ✓ Online examination with your choice of time
- ✓ Multiple attempts possible

WHO SHOULD ATTEND

- **Graduating College Students in the following disciplines**
 - ✓ Mechanical Engineers
 - ✓ Chemical Engineers
 - ✓ Petroleum Engineers
 - ✓ Instrumentation Engineers
 - ✓ Production / Industrial Engineers
 - ✓ Diploma / ITI
- **Working Professionals**
 - ✓ Piping Design / Layout Engineers
 - ✓ Piping 3D Cad Engineers

- ✓ Pipeline Engineers
- ✓ Offshore Platform Engineers
- ✓ Piping Draftsman
- ✓ Piping Construction Engineers
- ✓ Piping Fabrication Engineers
- ✓ Piping Supervisors
- ✓ Piping Stress Engineers
- ✓ Piping QA / QC Engineers

- **Corporate / Organizations**

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

COURSE MODULES

I) Piping Systems Detailed Engineering /Plant & Piping Layout Engineering / Piping Drafting.

- **Piping Fundamentals**
- **ASME Codes & Standards**
- **Pipe Fittings**
- **Flanges**
- **Valves**
- **Special Elements**
- **Mechanical/Process Equipments**
- **Flow Diagrams**
- **Piping Specifications**

- **Piping & Equipment Layout**
- **Piping Isometrics**
- **Piping Spools**
- **Pipe Supports**

II) Piping & Pipeline Systems Design.

- **Pressure Design of Process Piping Systems/ Pipelines/ Building Services Piping.**
- **Hydraulic Design of Liquid Piping Systems & Pipelines.**

III) Pipe Stress Analysis.

- **Introduction**
- **Pipe Span Calculations**
- **Expansion Loops & Expansion Joints**
- **Layout Solutions for Weight, Thermal, & Wind Loads.**
- **Sustained Loads**
- **Occasional Loads**

IV) Construction

- **Piping Fabrication & Construction**
- **Fabrication & Installation Requirements of ASME B 31.3**
- **Inspection & Testing of Piping Systems**
- **Inspection, Examination & Testing Requirements of ASME B 31.3**

IPEBS Corporate Training Clients

Company Name

Location

Intergraph Consultants

Hyderabad, India

Port of Sohar

Oman

Uhambiso Consultant

South Africa

Newtech Consulting Group

Sudan

Yashada Consultant

Pune, India

Telstar Life Science Pvt Ltd

Hyderabad, India

BHEL

Bhopal

IDC Training House SDN BHD

Kuala Lumpur, Malaysia

Sakhlain Energy

Russia

Aveon Offshore

Nigeria

BPCL

Bhutan

Saitech Engineers

Mumbai, India

Riyan Architects

Maldives

Oryx GTL

Qatar

WNPOC

Sudan

GNPOC

Sudan

Sudanese Petroleum Pipeline Company

Sudan

CFPE Technology Solutions

Malaysia

Qatar Petroleum Technical Center

Qatar

Petro Vietnam Marine Shipyard

Vietnam

Locus Technologies

Hyderabad, India

RasGas

Qatar

ICB Technimont

Mumbai, India & Italy

LG-Digitech Electromechanical Academy

Sudan

Infotech Enterprises

Hyderabad

Petroleum Operating Company

Sudan

Dr. Reddy's Labs

Hyderabad, India

Vasavi Power Services

Hyderabad, India

Siddhi Consulting

Pune, India

Qatar Petroleum

Qatar

Centroid Technical Services

Sudan

MG – Vowgas Group

Nigeria

DAL Group

Sudan

REGISTRATION FORM

For applications by E-mail, please fill the form below
and send to info@ipebs.in

**COURSE TITLE: Process Piping Design & Engineering
per ASME B 31.3 – Distance Learning
(Design, Drafting, Construction & Stress Analysis)**

COURSE DATE: _____

NAME: _____

NATIONALITY: _____

QUALIFICATION: _____

WORK EXPERIENCE (if any): _____

JOB TITLE: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ STATE: _____

POSTAL CODE: _____ COUNTRY: _____

PHONE: _____ FAX: _____

EMAIL: _____

In case of Emergency, contact

NAME: _____

PHONE: _____

ADDRESS: _____

EMAIL: _____

I, acknowledge to the terms & conditions of the organizer.

Date: _____ Signature: _____

Course Title	Fee for Indian Participants	Fee for International Participants
Process Piping Design & Engineering as per ASME B 31.3 – Distance Learning		

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

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