

INSTITUTE FOR STEEL DEVELOPMENT & GROWTH

ONLINE (Zoom) TRAINING PROGRAMME



Sponsored by:



Topic:

Design and Construction of Pre-Engineered Buildings

06-07
JANUARY
2023

Friday - Saturday

15:00 pm to 17:30 pm (IST)

Pre-Engineered Buildings, commonly called PEB, are now omnipresent. Almost all the industrial sectors, automotive, power, logistics, Public Transport Infrastructure, Pharma, FMCG, and capital goods are now installing PEBs because of its distinct advantages in terms of turnaround time and scalability. The greatest challenge for enhanced use of prefabricated and pre-engineered buildings in India is the perception shift from conventional construction to pre-engineered steel construction. Optimization in the design and construction process based on the utility and behavior under various loads is the key to achieve economy.

This training programme aims to summarize design code requirements based on Indian standards and industry practiced design criteria, design loads and other design consideration for PEB that are being followed in the Design offices. The subject matter experts shall take participants through analysis, designs, detailing, fabrication and construction issues in detail.

Who should join:

◆ **Entry Level Professionals in PEB Design and Detailing (0-10 Years' Experience)**

◆ **Students of Structural Engineering background**

Participants are encouraged to share their real project problems / issues during the registration or later (upto 31st December 2022) through email (insdag@gmail.com). Remedial measures / solutions / answers may be addressed by the trainers during their respective lectures.

Certificate will be issued to all participants on successful completion of the online course.

Registration Fee: Rs 1200/- (including GST) per participants

Discounts:

- a) 20% for Individual members of INSDAG and nominations from INSDAG member organizations
- b) Additional 5% for Bulk nominations (≥ 5 nominations)

Payment Details: [Online]

INSTITUTE FOR STEEL DEVELOPMENT & GROWTH, Bank: **UCO, Kasba, Branch - Kolkata**
SBa/c No.: **08370100004683**, IFSC: **UCBA0002081**

Kindly register by email to insdag@gmail.com furnishing your following details:

Name, Email, Mobile No. INSDAG membership No. (for members) and payment details

Last Date of Registration: January 04, 2023

Size of Virtual Classroom: 40 (maximum)

Contact Person

Shiladitya Chanda : Coordinator

Mob: 9830087833, Email: insdag@gmail.com

Lecture Schedule

DAY 1 - JANUARY 06, 2023 (FRIDAY)

Time Slot	Topics	Presenter
14.30 – 15.00	Inauguration & Overview of Pre-Engineered Buildings	INSDAG, Kolkata
Lecture 1 (15.00 - 16.00) Q & A – (16.00 - 16.15)	Structural Analysis & Design of Pre-Engineered Buildings	Parag Belsare, <i>M/s TechYuga Structural Solutions Pvt Ltd, Nagpur</i>
Lecture 2 (16.15 - 17.15) Q & A – (17.15 - 17.30)	PEB with Cranes, Component Designs and Installations	Sandip Kumar Pal, <i>M/s Phenix Construction Solutions, Hyderabad</i>

DAY 2 - JANUARY 07, 2023 (SATURDAY)

Lecture 3 (15.00 - 16.00) Q & A – (16.00 - 16.15)	Base Plate Design, Fabrication & Construction Issues in Pre-engineered Buildings	G Padmaja, <i>M/s Kirby Building Systems, Hyderabad</i>
Lecture 4 (16.15 - 17.15) Q & A – (17.15 - 17.30)	Detailing Issues of Pre-Engineered Buildings	Mahesh Wekhande, <i>M/s TechYuga Structural Solutions Pvt Ltd, Nagpur</i>

PRESENTERS



Dr. PADMAJA GOKARAJU

Asst.Vice President-Designs

M/s Kirby Building Systems and Structures India Pvt. Ltd., Hyderabad

A Techno-Management Professional. She has over 35yrs of experience in the field of Steel Structures with Global Consultants and Steel Manufacturers. Her expertise is in design and detailing of steel structures including Pre-Engineered buildings, Transmission Line Towers, Light gauge steel structures etc., as per Indian and International standards. Her skills helped in successful execution of complex PEB projects over the last 23yrs in M/s Kirby Building Systems & Structures India Pvt. Ltd.

Her research experience contributed to new product development using light gauge steel sections. As a passionate engineer, she plays an active role in mentoring new generation engineers.

PARAG BELSARE

Managing Director

M/s Techyuga Structural Solutions Pvt. Ltd., Nagpur



A veteran Design Professional of PEB industry, has an overall work experience of more than two decades in the metal construction industry in different fields such as Engineering Design & Product Enhancement.

So far, he has acted as signing authority for more than 2000 PEB designs & construction projects ensuring design stability which include some of most prestigious & complex buildings in India & abroad. He worked with all leading industry leaders like RELIANCE, APOLLO, NAYARA, MAHINDRA, SRF, MRF, MMRDA (Metro), MES Hangers & many more.

Well versed with Design Software being used across the industry in order to create a flawless & most efficient design making the PEB project most competitive & profitable.



SANDIP KUMAR PAL

Assistant Vice President – Engineering

M/s Phenix Construction Technologies, Hyderabad

Started his career from M. N. Dastur & Co Ltd., Kolkata with Steel Plant engineering. He was associated with various steel plant modernization projects like Rourkela Steel Plant, Tata Steel, Jamshedpur, Ispat Metallica, Dolvi etc. Apart from Steel Plants, he also worked for various projects for Cement Plants, Captive Power Plants, Metro Railways etc. while working in M. N. Dastur. After spending more than 8 years in M.N. Dastur, he shifted to Power Plant engineering and joined SIEMENS. There he worked for more than 2 years and then he continued to work for various renowned companies like ALSTOM, L&T Sargent & Lundy and GE Power. He spent more than 17 years in the field of Power Plant engineering and worked extensively in almost all areas of power plants structures. He is well conversant with both steel and concrete structures with special interests in steel structures analysis and design.

MAHESH WEKHANDE

Director

M/s Techyuga Structural Solutions Pvt. Ltd., Nagpur



A Civil Engineering graduate & a renowned detailing expert of the Indian PEB & Steel Industry, he served Structural & PEB industry for more than 2 decades.

Specialized in timely completion and product enhancement of highly complex projects with utmost accuracy through close coordination with client, production and site activities. He has created capability to minimize the production waste & rework at site which directly affects the bottom line of projects.