

BRIEF REPORT ON SEMINAR ON PRE-FABRICATED STRUCTURES FOR URBAN & RURAL HOUSING AND WAREHOUSING/LOGISTICS SUPPORT

Indian Institute of Metals - Delhi Chapter organised a one Full day Seminar on 'Pre-fabricated Structures for Urban & Rural Housing and Warehousing/Logistics Support' at India International Centre, Max Mueller Marg, N.Delhi on 16 August 2017.

At the outset, Shri K L Mehrotra Chairman Delhi Chapter welcomed the participants in the Seminar. He gave an overview about the Pre-fabricated Structures and introduced the Speakers at the Seminar.



Shri S C Suri, IIM-DC and Shri P K Bajaj Vice-Chairman IIM-DC spoke on the importance of Pre-fabricated structures in India's emerging Economy.

Six eminent Speakers from Construction and related Industries made their presentations on the topic.

Mr. E Suresh Raj GM (Engineering) Tata Bluescope Steel, in his presentation, highlighted various activities & capabilities of Tata Bluescope and focussed on **Durable and Aesthetic Light Gauge Framing System in Industrial Warehousing and Residential Buildings**. He outlined the activities of his company in design and manufacture of special



components required for Prefab structures. He indicated that owing to their collaboration with Bluescope (an Australian Company), most of the design codes followed by them were of Australia/New Zealand origin. They have installed various types of buildings viz. residential, recreational, schools, farm houses, hospitals, office buildings, warehouses, factories etc. The Company has also developed ZINCALUME coatings (comprising Al, Zn & Sn) for steel structures for providing excellent barrier coating protection. He also mentioned about COLORBOND color coatings of structures.

Ms Sonia Khanna Dy. General Manager Central Marketing Organisation, Steel Authority of India, in her presentation focussed on **Products in SAIL for Pre-fabricated Structures**. She was supported by her colleague **Mr. Sanchit Soni** from CMO, SAIL. Ms Khanna gave a brief synopsis of current and upcoming facilities in SAIL steel plants.



She highlighted the products from newly commissioned facilities which are/would be suitable for Pre-fabricated Structures. Some of these are:

- Different types of TMT bars (Corrosion Resistant for coastal areas, Earthquake resistant for seismic zones and Rock & Roof bolt for mining areas) from Durgapur, Burnpur and Bhilai
- Structures (Parallel Flange Beams, Channels, Equal Angles, Special Sections etc.)
- Wide range of Plates
- High Strength Formable Quality grade products etc.

She also highlighted various initiatives taken by SAIL to create awareness and understanding of SAIL products

Mr. Yatinder Suri MD & Country Head, Outokumpu, New Delhi, focussed on Global activities of OUTOKUMTU and spoke on **Sustainable Infrastructure – Build to Last**. Mr. Suri highlighted the historic development of Stainless steel and contributions of Outokumpu in same. Owing to significant development in this area, there are ~ 400 grades of stainless steel



available at present. In order to derive maximum benefit, he recommended choice of correct grade. He offered full technical support of Outokumpu for the same. He showed a number of prestigious structures, which have used Stainless steel. Such structures, especially SS rebars have a great potential in Prefab structures. The initial cost may be higher, but long term maintenance free service is assured.

Mr. L Pugazenthy Past President Indian Institute of Metals and Executive Director India Lead & Zinc Development Association made a presentation on **Hot Dip Galvanising for Pre-fabs – Twelve Inherent Advantages**. He highlighted

inherent advantages of Hot Dip Galvanising for Prefab structures. He highlighted usage of Zn in corrosion prevention. He suggested that Hot Dip galvanising provide maintenance free long term protection owing to metallurgical bonding. An additional advantage of galvanised products is that they can be easily color painted.



Col. S M Adsar (Retd.) Manager, B G Shirke Construction Ltd., made a presentation on **3 S Construction Technology.**

Col. Adsar highlighted the achievements of his Company in design, erection & commissioning of ~ 2 lakh residential apartments, Technology Parks, multi-storied Prefab buildings etc. in the last 4 decades. They pioneered 3



S pre-fab technology in 1972. Col. Adsar also showed a documentary indicating the construction of various prefab structures in their factories.

Mr. K K Mehrotra Former CMD, MECON Ranchi, made a presentation on **Pre-fab Engineered Buildings – A new Approach in Construction Sector.** He

discussed various merits in using prefab structures and related issues. The advantages of using steel in residential buildings were highlighted. He mentioned that presently PEBs (Prefabricated Engineered



Building) are just 1% of \$ 100 b market in country. A staggering growth (up to 30-35%) is expected in next 5 years, owing to faster implementation of projects. Govt.'s decisions to allow 100% FDI in real estate and an ambitious aim of providing Housing for All by 2022, would be the main growth drivers for PEBs.



During each presentation, there were lively question and answers interactions with the audience.

About 50 persons participated in the programme.



All Presenters were honoured with mementos by Sh. K L Mehrotra, Shri S C Suri and Shri P K Bajaj on behalf of IIM Delhi Chapter.

Shri Bajaj, Vice-Chairman, IIM-DC, proposed vote of thanks.

The programme concluded with Tea.

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