



Interarch Building Products Newsletter

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Dear Reader,

Greetings from Team Interarch, Wishing all the members A Very Happy *Independence Day!*

It gives us great pleasure to announce the launch of our new section in the Newsletter which will tell our reader about all high growth areas and industries in India, this section will cover one state at a time.

This Newsletter will showcase one new possibilities of pre-engineered steel and various applications of Interarch Pre-Engineered Buildings for each industry. You will also find details about New projects won by Interarch across India and upcoming events for the new few month.

We hope you find this edition of the Newsletter informative.

Best Regards,
Arvind Nanda & Gautam Suri
Founder Director - Interarch Building Products



Arvind Nanda
Founder Director & CEO



Gautam Suri
Founder Director & CTO

Possibilities of Pre-Engineered Steel in Stadiums & Sports Complex

Pre-Engineered mini to medium sized Stadiums can be custom-built to client's requirements and for specific applicatin, with desired seating. The understructure designs include Clear-span, I-beam or angle frame structures, with structures fabricated from wide flange steel shapes, hot-dipped galvanized steel and anchored to concrete foundations.

Application of Pre-Engineered Stadiums:

- 1) Arenas for Soccer
- 2) Athletics (Track & Field)
- 3) Open Air Conventions
- 4) Social Gatherings & Ceremonies
- 5) School Auditorium



UPRNN Stadium-Itawa, U.P

High Growth potential area and industries in India

Rajasthan has a wide range of sectors enjoying strong domestic and international position, as well as excellent growth prospects. Some of the key sectors in Rajasthan are agro Industry, cement products, ceramic, food processing, hand tools, tourism & hospitality, handicraft, handmade paper, gems & jewellery, marble, oil industry, stone quarrying and mining & metals.

Potential hubs for investment

Sector	Focus Areas
Oil & gas	Barmer-Sanchore, Bikaner-Nagaur, Shahgarh & Bangewala area
IT and IT enabled services	Jaipur, Jodhpur, Kota & Udaipur
Electricity generation	Barmer & Bikaner district
Roads and highways	Almost all major Highways Across State
Chemicals	Jaipur, Kota, Udaipur and Bhilwara

Interarch Pre-Engineered Metal Buildings Application

- Manufacturing facilities
- Heavy engineering plants
- Automotive manufacturing facilities
- Warehouses
- Malls
- Hotels
- Airport terminals
- Aircraft hangars
- Annexure building for power plants
- Marine infrastructure facilities
- Metro and elevated monorail Stations
- Skeletal and roof structures for high rise buildings Project highlights
- Multi-Level Car Parking
- Bridges
- Heavy Industrial Plants
- Mezzanine systems



Industry Spokesperson-Mr. Faiz Ahmad



EDMAC is a highly motivated and efficiently managed team of engineers, architects and planners that has worked on many challenging projects across UAE, Middle East, African countries & India since its inception in 1998 in Dubai, UAE by an IITian.

The company has a reputation for getting things right and delivering beyond expectation — a result of its collective experience, expertise and a dedicated, tightly knit multi-disciplinary team. EDMAC has vast expertise in steel structure and its specialty. From feasibility studies and detailed engineering designs to the project management and actual implementation of roads, bridges, township, residential and commercial buildings, industries, educational institutes, hotels and hospitals — EDMAC has done it all!

Mr. Ahmad feels the major difference between a developed country like the UAE and India is the lack of awareness when it comes to using steel for a building's construction. The fabrication industries should have a quality certificate to fabricate since in steel structure the joints and connection fabrication should be as per the design and all the design should be accepted by the fabricator and who should give the undertaking or guarantee for any failure due to fabrication.

He thinks the architect's role in the coming future to a great extent would be to spread awareness among clients and educate them on the advantages of Steel compared to other forms of construction "It is also our (architect's) responsibility to adopt newer and better technologies to aimprove the efficiency and sustainability of our buildings" as per condition prevailed.

On future developments he comments "The next big application of steel construction in India will be the multi-storey buildings. Another major area where steel construction will be really helpful is the low cost housing solutions in flood affected areas or other areas where help is urgently required." He also says the Green Building movement is catching up in India but still has a long way to go compared to the pace of development in the West. He also stresses upon importance of maintenance of PEB's since regular maintenance checks ensure a building's longevity.



External Building Maintenance Tip

Minor damage to sheeting or trims shall be repaired as follows.

- Lightly abrade the affected area.
- If base metal is exposed, apply one coat of zinc chromate primer.
- Apply one coat of matching touch-up paint.

Building made possible in Steel

Petronas Towers in Kuala Lumpur

The Petronas towers are one of the most famous architectural structures in the world. It is located in the centre of the city of Kuala Lumpur. The Petronas towers or the **Petronas Twin towers**, as it is known, are the tallest of the twin towers in the world. The total height of the twin tower from the ground to the apes is about 378.6m. This is just the structure alone. Along with the antennas height, the tower will be as high as 451.9 meters.

Fact Sheet

- Height: 452 meters
- Sky bridge Length: 58.4 meters
- Sky bridge Location Height: 170 meters
- Concrete Reinforcement Steel: 10,955 tons
- Foundation Concrete Used: 13,200 cubic meters
- Structural Steel: 7,500 tons
- Total Steel Used: 36, 910 cubic meters

- Stainless Steel Cladding: 85,000 square meters
- Total Construction Area: 395,000 square M
- Total Project Area: 14.5 acres
- Weight Per Tower: 300,000 tones
- Annex Space in Two Bustles: 186,000 square meter
- Construction Costs: 2.5 billion U.S. Dollars
- Ground Floor Area: 32,929 square meters
- Total Combined Floor Area: 790,000 square meters



Upcoming Events

- Co-Sponsors of Dun & Bradstreet Infrastructure Awards 2011
- Close Group Seminar in Gujarat

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Interarch in Press

- Construction Week in August Edition

Major Projects Win of Pre-Engineered Buildings

- Kent RO Systems Limited in Uttarakhand
- Vishwakarma Automotive Pvt Ltd in Haryana
- Vinplex Pvt Ltd in Chennai
- Air Liquid Engineering India Pvt Ltd in Andhra Pradesh
- Surya Biscuits Industries Ltd in J&K
- Mahindra Aero structure Pvt Ltd in Karnataka
- Gandhi Research Foundation in Maharashtra

