



INTERARCH Building Products

Issue 30, Vol.3, March 2013

Newsletter



Director's Epistle

Dear Readers,

With this issue of the newsletter, we bring to you, our new website for "Interarch Infrastructure", a new unit by Interarch Building Products Pvt. Ltd. It is now available on web at www.interarchinfra.com



With presence in pan India, Interarch Infrastructure plans to build a strong sales & marketing network across country. Our main focus is to execute and deliver best infrastructure projects which will contribute to the growth of infrastructure industry in India.

Thanks & Regards,
Arvind Nanda & Gautam Suri
Founder Directors - Interarch Building Products

Industry Snapshot - Hotel Industry in India

The Indian Hospitality Sector is witnessing one of its rare sustained growth trends. Hotel industry is inextricably linked to the tourism industry and the growth in the Indian tourism industry has fuelled the growth of Indian Hotel Industry.

According to the latest Tourism Satellite Accounting (TSA) research, released by the World Travel and Tourism Council (WTTC), the demand for travel and tourism in India is expected to grow by 8.2 % between 2010 and 2019. India's travel and tourism sector is expected to be the second largest employer in the world. The report forecasts India to get more capital investment in the travel and tourism sector and is projected to become the fifth fastest growing business travel destination from 2010 through 2020. Shortage of 100,000 guest rooms in the country has been reported.

In past few years, an increase in international visitors as well as domestic travelers there has been an increase in fuelling the demand for more hotels and rooms across India.

In the recent years we have seen many international brands like Radisson, Marriott, Meridian, Sheraton, Hyatt, Holiday Inn etc. have set up hotels in India whereas new brands like Salinwoods, Banana tree, Hampton Inns, Scandium by Hilton etc. are banking big in India to set-up hotels by either tying up with domestic brands or directly.



Interarch Structural Steel for Hotels

Interarch Steel structure is an ideal solution for hotel construction, as in today urban infrastructure there is space limitation for construction.

Hotels can be built as per architectural design for optimized energy requirements such as natural cooling, solar gains or natural day light.

Hotels incorporate a high level of building services which can be easily interfaced within our system; air conditioning systems ducts, flooring, electric power plants for essential facilities, fire protection system and all other mechanical and electric services. Varieties of exterior and interior finish interfaces can be offered for the quality of hotel rooms and utilities. Sunken and wet areas, building service shafts can be easily designed in our structural system.



Interarch Green Buildings Certification

Interarch Infra uses 100% steel which is recyclable up to 90%. Our construction sites help in reducing the carbon footprint by reducing the solid waste and construction waste.

Our customer gets LEED rating in gold / platinum for the structure built by us



Indira Gandhi International Airport Terminal 3

T-3 terminal at Delhi international airport terminal & pier spread in nearly 1.75 million Sq. M covered area. Interarch has constructed this project using 7200 MT structure off site manufacturing as design and built basis for the developer GMR. Roofing system for entire covered areas is designed by Interarch to meet acoustic and thermal insulation requirement.

The structure is designed for wind velocity of 50 m/sec and seismic zone V considering design as per IS-800 incorporating each & every requirement of MEP services & interfaces needs. Every cut outs, cleats, brackets connection etc. have been built at design stage to avoid field modification. Facade framing for entire T3 Terminal, using box sections has been fabricated to meet architectural need of the airport.



Project Management Tip - Proper way of loading & un-loading

- Crane & Sling/ Clamping Jaws/ Nylon strap etc. should be of sufficient capacity to lift the required load/material.
- Match the material in trailer with the packing list before unloading.
- Size specification should not be removed from crates / packet and bundles.
- Nylon Strap to be used for unloading the sheeting material / crates etc.
- Structure material should be unloaded by using sling with rubber packing on the edges.
- Long length items more than 8 meters in length should be unloaded with the help of spreader beam.
- Tag/Guy rope to be used at the end of both members for avoiding free movement.
- Ground should be leveled and compact for storage.
- Wooden Pallets should be placed at equal distance to avoid distortion of material.
- After lifting the first member/ bundle in proper manner, lift second bundle and place it over the first pallet member/bundle. All wooden pallets should be in one line and equidistant 1e1.5 to 2.0 meters.
- All galvanized material, hardware and critical bought out items such as insulation, weld mesh, hardware etc. should be stored in covered area or with water proof tarpaulin.
- All Bundles items i.e. Purlins, Rack/ Eave Angle, Sheets etc. should be kept at height and slope of 5°.
- Do not stack more than 4 sheeting bundles on top of each other.
- Stack the total material in such a way that it should be easily traceable & moveable to erection area at the time of erection.



Industry Spokesperson – Mr. Prakash, Director, Prakash Consultants



Prakash Consultants which was formed in the year 2001. Annually, they are dealing with 3 lakh Sq. ft. of Pre-Engineered Buildings & 1 lakh Sq. ft. of RCC. The company is headed by Mr. Prakash, Director, Prakash Consultants who is an M. Tech in Construction Engineering.

Mr. Prakash stated, "There are frequent power cuts in south India, Green Buildings are must & will be the industry requirement in the coming future, he also stated that Automobile & Warehousing are the upcoming industries in the region". He advises, "One should always be cautious at the time of fixing up the Pre-Engineered Buildings with Civil Structure."



Customer Testimonials – Meada Corporation India Pvt. Ltd

We are pleased to certify that Interarch completed the work of design manufacture supply and erection of our project in Manesar, Haryana to our utmost satisfaction. We appreciate the effort put in by their teams at all stages of the project.

The timely completion of the project and the resources deployed at all stages is highly appreciable.

For M/s Meada Corporation Pvt. Ltd

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New Project Wins

- Tata Marco polo Limited, Karnataka
- Hitachi India Limited, Tamil Nadu
- Shree Shubham Logistics Ltd, Maharashtra
- CG Electronics Pvt. Ltd, Nepal
- Systematic Consom Limited, Haryana



Major Projects Completed

- Bilt Graphic Paper Products Ltd, Maharashtra
- Cape Electric, Tamil Nadu
- Metro Cash 'n' Carry, Punjab
- Thermosol Glass Pvt. Ltd, Gujarat
- Toyota Motors Ltd, Karnataka



Did you know?

National safety week was set up by Ministry of Labor, government of India on 4th March 1966, as an autonomous body to generate, develop and sustain a voluntary movement on Safety, Health and Environment.

Award Win

Interarch was awarded Zero Accident award by Meada Corporation and for high standards of competence and compliance for Health & Safety.



Trivia Question of the Month

In which year did Interarch launched "Interarch Light Building Systems"?

- 2009
- 2008
- 2010
- 2007

You may log on to www.interarchbuildings.com to find the correct answer.

Press Coverage

- Steel Structures & Metal Buildings
- India Infoline
- EPC World
- B2B Purchase
- Construction Week
- The Masterbuilder
- NBM & CW



Events at Interarch

Hotel Built Expo

Interarch participated in Hotel Build Conference conducted by ITP Publishing in Gurgaon, on 14th & 15th March 2013



CSR Activity: Safety Week Celebrated By Interarch Building Products

National safety week is celebrated in the month of March starting 4th March till 13th March. Interarch also celebrated 42nd National safety day during the safety week at all sites on 4th March 2013. All contractors and workers were invited for the celebration which included awareness on safety practices followed on site.

Activities like housekeeping contest, full body safety harness wearing competition, safety quiz were also conducted for all the members. Special demonstration was given on personal protective equipment and safety while working on heights. Such initiatives not only create awareness amongst the workers but also give them a platform to interact with each other and the contractors.

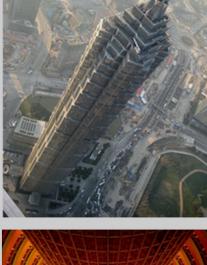


Holi Celebration in Interarch



Building Made Possible in Steel: Jin Mao Tower, China

- Building Usage: Hotel – Grand Hyatt Shanghai
- 555 Luxury Rooms & Suites
- Worlds 5th Highest Hotel (as per Emporis List)
- Maximum height: 420.5 m
- Roof: 400 m
- Number of floors: 88
- Separation between floors: 4 m
- Basement level: 3
- Total Area: 278,707 m²
- Structural steel: 18 tons
- Concrete tower: 10,000 cubic meters
- Concrete foundations: 13,600 cubic meters
- Excavation: 320,000 cubic meters
- It has 79 lifts, which goes to the observatory can accommodate 35 people and takes 45 seconds to travel the distance from the base to the floor 88.
- The interior curtain wall is made of glass, stainless steel, aluminum, and granite, and is crossed by a complex latticework cladding made of aluminum alloy tubes.
- The tower is built around a central octagonal concrete surrounded by 8 exterior composite super columns and eight other steel, including outdoors. Three sets of 8 half-high, two levels, connecting the columns at the center, in six of the floors, to provide additional support.
- Each of its 88 floors are divided into 16 segments, each one eighth shorter than the level achieved in the base 16.
- The advanced structural system that has been used in its construction allows it to withstand a wind up to 200 km/h and earthquakes up to 7 on the Richter scale. The needs of the top supports ranges of 75 cm and its vertical deviation is only 2 cm.
- The shafts are steel joints that act as bumpers to cushion the lateral forces imposed by winds and earthquakes, and pool on the floor 57 acts as a passive damper.
- Steel bars provide structural support for the glass dome of the entries.



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