



INTERARCH BUILDING PRODUCTS

newsletter

Issue 34, Vol.4, July 2013

Director's Epistle



Arvind Nanda
Founder Director & CEO

Gautam Suri
Founder Director & CTO

The market for steel construction is growing exponentially in India with consumers opting for new-age technologies as well as the need for rapid infrastructure development to match the economic growth of the country. Considering India's extreme weather conditions, a steel building proves to be energy efficient, especially when insulated, because of its low thermal mass.

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

Rain Water Harvesting Using Interarch Pre-Engineered Buildings



Metal roofs are an ideal platform for rainwater collection. The smoother, cleaner, and more impervious the roof surface, the higher the water quality and amount of water that can be collected. The rainwater is collected in gutters on the roof level and transferred down to the ground using down take pipes installed, 1 at every bay grid.

Interarch recommends that end users of our buildings, design suitable underground rain water harvesting pits to collect the rainwater coming through the down take pipes. This allows significant rainwater collection and harvesting, making your complex more eco-friendly.



New Possibility Education Institutes

Schools buildings have particular design requirements in terms of spatial planning and flexible use of space, control of vibrations and acoustics, and robustness. In the higher educational sector, the form of construction is typically academic buildings consisting of offices, lecture theatres, classrooms and laboratories. Key requirements for educational buildings are fast solutions so that new buildings can be completed within one academic year, or even three months of the summer vacation in the case of building extensions, and also the flexible use of space to meet current and future educational needs.

Various Possibilities in Steel for Educational Sector

- School or college buildings
- Auditoriums & halls
- Indoor & outdoor Stadiums
- Administrative buildings
- Lecture theatres
- Classrooms and laboratories
- Training Centre
- Hostel block
- Library building

Benefits of Interarch steel framing for Educational Buildings

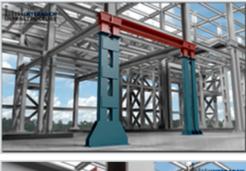
- Flexibility in construction and aesthetic look
- Large grid span as per class room requirement
- Low lifetime maintenance cost and durability
- Easily expandable for growing need with the time
- Faster construction resulting early occupancy



Interarch Engineering

Interarch engineering delivers customized solutions to its customers from planning to completion stage. The engineering work in structural steel design includes in-depth analysis and design of the complete structure, in addition to the preparation of construction drawings and shop details. Interarch is an ISO 9001-2008 certified company by UL, Inc. USA, for design and manufacture of Pre-Engineered Steel Building Systems and Structures.

Interarch structural design team of 200 dedicated professionals and senior structural designers, is well equipped to work in accordance with all Indian and international codes



- State-of-art technology is used for detailed design which is at par with international building design standards. All Interarch buildings are designed using the most advanced metal building software's like Staad Pro, MBS and others.
- All buildings are manufactured using the latest automated cutting and welding equipment.
- Cater to the extensive manufacturing and automated machinery, keeping in mind the time and cost targets.

Jaipuria Institute, Madhya Pradesh

Project Name	Jaipuria Institute
Location	Indore, Madhya Pradesh
Building Usage	Hostel Building
Project Area	2440 Sq. M
Tonnage	100 MT
Features	<ul style="list-style-type: none"> • The building was erected on an existing building of RCC of 13.95 M . height with Pre-Engineered Structure is 20 M • Building dimensions W-14.94 M, L - 66.76 M • A hybrid structure i.e. a combination of Interarch light steel + Interarch pre-engineered building • 2 floor Mezzanine structure with dead load 80 mm Plain cement concrete • Live load 350 Kg/ Sq. M • Mummy on roof with provision for water tanks • Internal Finish Interarch Light Building Systems with Gypsum board • External Finish Brick wall



Project Management Tip- Project Execution During Monsoons

Adverse weather conditions such as heavy rain, foggy conditions will impact the visibility of the lifting crew. It is advisable to stop all lifting operations as soon as the weather condition started deteriorating. Interarch advises no erection work to be carried out during rain.

Other practices which can be followed during monsoon season

- Raincoats are to be worn by all workers at site whenever rain is anticipated or during drizzling
- Once the rain is over site-in-charge should take a Work Permit from in-house safety officer and client safety officer to resume work
- Boom lifts are to be used during monsoon season
- Material to be stacked above ground level in order to avoid water logging
- Hot work like welding etc. to be prohibited during monsoon season
- Use of Crawler cranes is advised during monsoon season
- Materials like Insulation, Hardware, Paint, Galvanized Coils must be stored in a covered areas
- Tarpaulin must be used to cover the structural material to avoid paint peel off
- All painting work to be avoided during monsoon
- Roofing work should be avoided, and post rain project team should wait for the surface to get dry before starting the roofing work
- Throughout the monsoon season safety officer should be very vigilant and should thoroughly check all surfaces before allowing work to start after rain

Industry Spokesperson - Mr Anal Shah, NK Shah Consulting Engineers



Mr Anal Shah (NK Shah Consulting Engineers) - MS (USA)

The Firm was established 1978 to provide engineering support in the field of civil engineering which is located in Ahmedabad, Gujarat. Firm has carried out various kinds of projects all over India and Nepal. The company has been involved in design of multistory buildings, industrial facilities such as sugar factories, distilleries, cold storages, dairies, oil mills, pharmaceutical labs etc., company townships and various special structures.

Company provides services of construction management, site supervision and material management. Firm has recently worked on the project for Grape Processing & Packaging in Sangli, Maharashtra.

While comparing PEB buildings in India and abroad we mainly see changes in detailing like the turns and connections and the joints are very well taken care of, the connections are smooth and uniform which is not seen in Indian PEB. Apart from the Industrial Steel Building in today's time Multistory Steel building is the new concept in the market which is now picking fast in India in term of usage.

Scope Green Building is good in India. In fact there should be a mandate by the government to promote Green Buildings to save energy. Many Multinational companies are also coming up with such buildings to promote the Green Concept so as to have a wider scope in coming future

Tip: While constructing a building we should take care of the connections and joints in case of slopes or the shallow parts should be maintained well as in the monsoons the leakage occurs which is the major problem so if the joints and connections are well taken care this can be eradicated

Customer Testimonial

We appreciate the efforts dedicated & the cooperation extended by Interarch for our PASS factory in Savli, Gujarat. We would like to congratulate them for the successful completion of the project.

We gladly recommend Interarch as choicest Pre-Engineered Building Partner for the quality of their product & faster delivery of projects.



Interarch Certified Builder Training

Interarch conducted Fire Safety training in for its employees at Pantnagar plant in the month of July 13



Building Maintenance Tip

In areas with high level of rainfall before monsoon make sure all gutters & downpipes are free from blockages from debris and leaves.

If a water leak / seepage is noticed inside the building immediate action must be taken to address the cause.



Building Innovators Closed Group Forum

Interarch conducted Building Innovators Forum on 28th July 13 in Rajkot, Gujarat.



Building Made Possible in Steel: Forth Rail Bridge, Scotland

- The bridge was the first major structure in Britain to be constructed of steel
- Steel Tonnage - 64,800 Tons
- Design of the Bridge is Cantilever Bridge
- Total length of the bridge is 2,528.7 m (8,296 ft.)
- Bridge's longest span is 2 of 521.3 M (1,710 ft.)
- Clearance below the bridge is 46 M (151 ft.)
- Approximately 4,800 workers were employed in its construction
- It is a double track bridge and is elevated at 46 M (151 ft.) above the water level at high tide
- The three great four-lower cantilever structures are 100.6 M (330 ft.) tall, each tower resting on a separate granite pier
- These were constructed using 21 M (70 ft.) diameter caissons, those for the north cantilever and two on Inchgarvie acting as counter dams while the remaining two on Inchgarvie and those for the south cantilever, where the river bed was 28 M (91 ft.) below high-water level used compressed air to keep water out of the working chamber at the base
- The bridge has a speed limit of 50 miles per hour (80 km/h) for passenger trains and 20 miles per hour (32 km/h) for freight trains
- The weight limit for any train on the bridge is 1,422 Tons (1,400 long tons; 1,567 short tons)



Recent Project Wins

- Systematic Consom Limited, Haryana
- ITC Filtrona, Karnataka
- GSV Polymers Ltd, Tamil Nadu
- Desathlon, Punjab
- Ashirvad Pipes, Karnataka



Recent Projects Completed

- Hitachi Chemical India Pvt. Ltd, Rajasthan
- Toyota Kirloskar Motors Pvt. Ltd.
- Allied Nippon Ltd, Himachal Pradesh
- ABB Ltd, Gujarat
- Barsana Foods Pvt. Ltd, Rajasthan



Interarch Foundation

Interarch has recently contributed a cheque of Rs 11Lakhs to CM Relief Fund Uttarakhand which was handed over to the DM, US Nagar as a part of the Interarch initiative to help the flood hit victims of Uttarakhand.



Recent Awards

Interarch has received "Award for Excellence" for its invaluable contribution to the Severn Glucon facility of Chenzhi



Interarch In press

- Civil Engineering & Construction Review
- The Masterbuilder
- MGS Architecture
- B2B Purchase
- Steel Structures & Metal Buildings

Upcoming Events

Closed Group Interaction in Delhi & Kolkata dates to be announced soon Projects Meet in B-30

Share on Facebook



Click here to submit your enquiry online

INTERARCH BUILDING PRODUCTS PVT. LTD.
Central Marketing Office, B-30, Sector 57, Noida - 201 301, India
Tel.: +91-120-4170200, 2581029 | Fax: +91-120-2581017 | E-mail: info@interarchbuildings.com |
visit us at: www.interarchbuildings.com, www.interarchinfra.com



