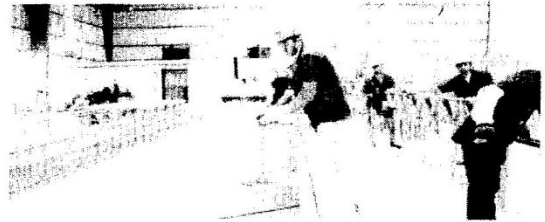
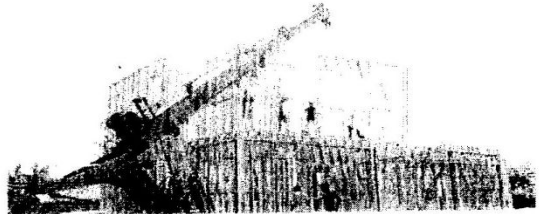


Light Gauge Steel Structural System & Pre-engineered Steel Structural System

An already established System for building construction in Japan, Australia & North America; Light Gauge Steel Framed Structural System uses factory made galvanized light gauge steel components. The components/sections are produced by cold forming method and assembled as panels at site forming structural steel framework of a building of varying sizes of wall and floor.

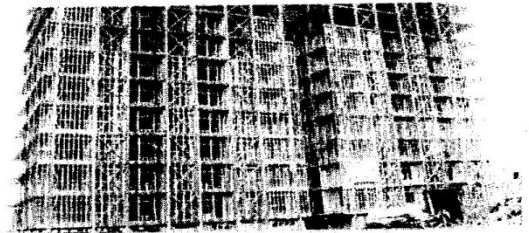


This Light Gauge steel structure independently is typically suitable for one to four storey high buildings, especially for residential and commercial buildings & in combination with hot rolled Steel sections for buildings higher than G+3.



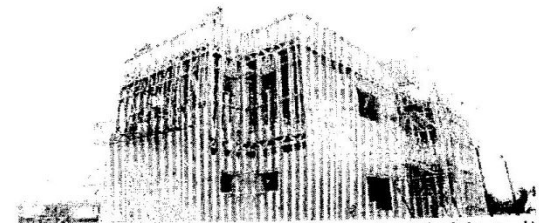
Construction Process

The sequence of construction here comprises of foundation laying, fixing of tracks, fixing of wall panels with bracings as required, fixing of floor panels, decking sheet, fixing of electrical & plumbing services and finally fixing of concrete walling panels with light weight concrete as infill. The other options of dry walling components such as sandwich panels with insulation material in between can also be used. Similarly, the floors can either by composite slab/deck slabs/precast hollow core slabs as per the need & requirements.



Advantages

- High strength to weight ratio. Due to light weight, significant reduction in design earthquake forces is achieved. Making it safer compared to other structures.
- Fully integrated computerised system with Centrally Numerical Control (CNC) machine primarily employed for manufacturing of LGSF sections provide very high Precision & accuracy upto 1 mm
- Construction being very fast, a typical four storeyed building can be constructed within one month.
- Structure being light, does not require heavy foundation
- Structural element can be transported to any place including hilly areas to remote places easily making it suitable for far flung regions including difficult terrains.
- Structure can be shifted from one location to other without wastage of materials.
- Steel used can be recycled multiple times
- The system is very useful for post disaster rehabilitation work.



Light House Project, Agartala at Golchakkar near Akhaura Check Post

- Light House Project is sanctioned by the Ministry of Housing & Urban Affairs (MoHUA), Government of India
- There are 6(six) such projects sanctioned in the entire country. Other five projects are at Chennai, Lucknow, Ranchi, Rajkot and Indore.
- Under this project, a total 1000 dwelling units will be constructed.
- Project Location is near Golchakkar, Akhaura Road, adjacent to the Integrated Check Post, Akhaura Road, Agartala.
- It is located at 2 KMs from Fire Brigade Chowumni and access is through 4 lane Fire Brigade to Akhaura Check Post road.
- The project is coming up in an area of 5.97 acres.
- Project consists of a total 7(seven) towers of G+6 floors.
- As per existing guidelines, 1000 dwelling units are for EWS (Economically Weaker Section) families.
- The size of each housing unit shall be 300 sq ft.
- EWS families means - any household having annual income up to Rs. 3.00 lakhs.
- As it is difficult to get 1,000 beneficiaries of EWS alone, we have requested MoHUA, Gol to consider applicants from LIG (annual income Rs 6 Lakhs). We may earmark 4 towers for EWS, 3 towers for LIG.
- Total cost of the Light House Project ₹ 162.50 Crores. Out of which Government of India is giving Grant/ Subsidy of ₹ 65 Crores. The State Government has sanctioned ₹18.50 Crores.
- Rest amount will be raised as Beneficiary Contribution and loan by TUDA
- Each EWS family shall pay ₹5 lakh only as beneficiary contribution. We may fix beneficiary contributions of ₹7 Lakhs for LIG. TUDA has started dialogue with the banks so that beneficiaries can avail housing loans to pay the beneficiaries contributions.
- All modern amenities like Garden, Park, jogging track, kids zone, health club, yoga-meditation room is provided in the project.
- Facility of Community hall, Health Care Centre, Anganwadi Centre is also included in the project.
- Agency is selected by the Ministry of Housing and Urban Affairs, Gol through open tender - "M/S Mitsumi Housing Pvt. Ltd, Ahmedabad, Gujrat".
- The site is already handed over to the construction agency and agency has started the pile testing work.
- Project is being constructed by using innovative technology of the most advanced Light Gauge Steel Frame.
- Project will be completed in a time span of just 15 months.
- Very soon advertisement will be published by TUDA for booking of the dwelling units in the Light House Project.