



LOHAARTM

Engineering and Constructions Pvt. Ltd.



Confederation of Indian Industry



Association of Consulting
Civil Engineers(India)



An ISO 9001, EMS 14001 & OHSAS 18001 Certified Company



The company was established in 1994 as a firm heaving the name S.A.E by his individual director . As days has been passing S.A.E getting ultimate success in engineering and construction as well as in fabrication and erection field of engineering and construction industry of India.

After the completion of more than 250 projects in different fields of engineering and construction industry has decided to expend their businesses across the India so he discussed to his elder son by telling him how he wants to serve this business with engineering and construction industry of India for the development of Indian infrastructure then his son who was a mechanical engineer and very familiar with his father businesses expose a name "LOHAAR".

So in this stream Lohaar was founded in year 2015 heaving:-

- ❖ **A different vision and mission**
- ❖ **A team of experts in board of directors**
- ❖ **A team of professional executive members**
- ❖ **A team of highly experienced architects, engineers & consultants.**
- ❖ **A team of skilled contractors, fabricators and erectors**
- ❖ **An unbeatable working capabilities.**



“ Our motto
has always been
**Safety
Speed &
Quality ,,**”

VISION

- ❖ We look the future of Indian building and infrastructure with steel because it is a versatile material having a huge composition of qualities for building construction and infrastructure development.
- ❖ We look forward “we have been working on lots of projects by using sustainable material steel and so others with two innovative method of construction pre-fabricated construction and composite construction”

MISSION

- ❖ To become a Right Choice for the development of infrastructure in engineering and construction industry of India.
- ❖ To become the first company of India who will sustain the natural resources of material by using sustainable materials like Steel, Fly ash, Gypsum board and so many in building construction and development of infrastructure.



(1) Modern Steel Construction



(2) Civil Construction



(3) Composite Construction



**(4) (LGFS) Light Gauge
Framing System**

What we do

LOHAAR is one of reliable Designer, Engineer, Manufacturer and Builder for infrastructure development in Indian engineering and construction industry since over a decade. LOHAAR take first place in Uttarakhand for doing such kind of Steel as well as Civil Constructional projects on turnkey basis for both industrial and commercial sector of Indian engineering and construction industry, at present we are providing these three construction facilities to our clients follows.



(a) Pre- Engineered Ordinary steel structure



(b) Pre- Engineered steel structure with mezzanine floor

Modern Steel Construction

In this stream LOHAAR is committed to follow his vision "Future of Indian buildings and infrastructure will be with steel" Because steel is the perfect solution to give buildings ultimate strengths, unexpected heights, fast construction and modern looks also, as days has been passing LOHAAR becoming the India's new choice for modern steel construction & development this time LOHAAR is capable to deliver almost kind of projects to whom clients want to build by using steel because it is back grounded by India's latest designing as well as manufacturing facilities.



(c) Pre- engineered multi-storey steel structure



(d) Customized structural steel structure

Pre- Engineered Ordinary steel structure

Advantage

- ◆ It takes 60% less time in completion than the R.C.C Structure.
- ◆ It is 30% economic than the R.C.C Structure.
- ◆ It is durable and 100% recyclable than the R.C.C Structure.
- ◆ Because of shop controlled fabrication it give us premium quality.
- ◆ Suitable for free column span up to 60 Meters.

Applications

- ◆ Industrial Sheds
- ◆ Warehouses
- ◆ Godowns
- ◆ Cold stores
- ◆ Sport halls
- ◆ Exhibition halls
- ◆ Air craft hangers
- ◆ Gymnasiums
- ◆ Poultry farms



Pre- Engineered steel structure with mezzanine floor

Advantage

- ❖ It creates extra space for multipurpose use in a fixed floor area.
- ❖ Suitable for column free span up to 18 meter in mezzanine floor.
- ❖ Because of shop controlled fabrication it gives us premium quality.
- ❖ It takes 40 % less time in completion than the R.C.C structure.
- ❖ It is 30% economic than the R.C.C Structure.
- ❖ It is durable and recyclable than the R.C.C Structure.

Applications

- ❖ Godowns
- ❖ Workshops
- ❖ Super markets
- ❖ Showrooms
- ❖ Service stations
- ❖ Exhibition centers
- ❖ Theaters
- ❖ Stadiums
- ❖ Auditoriums



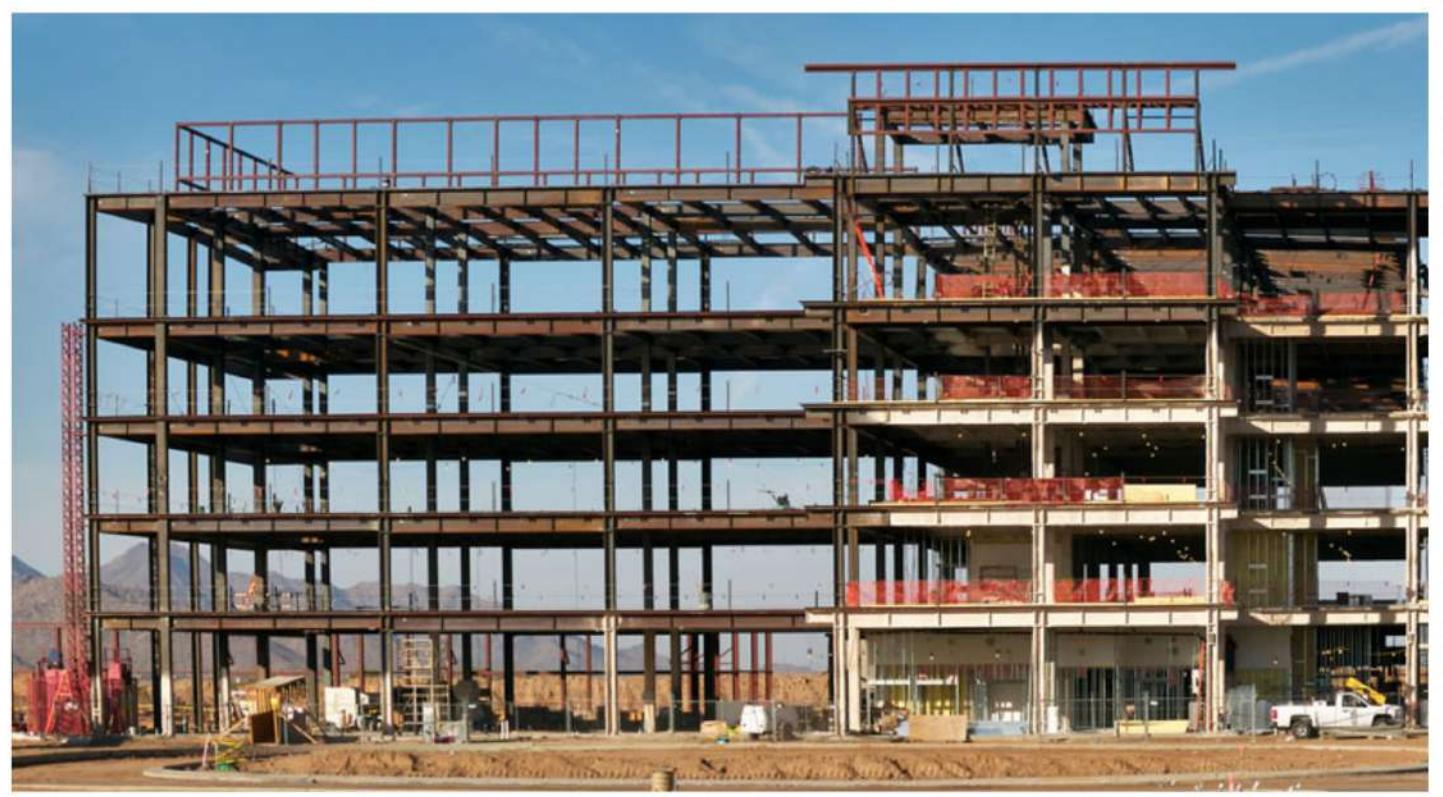
Pre- engineered multi-storey steel structure

Advantage

- ❖ It give modern exteriors and spacious interiors to the buildings.
- ❖ It gives more heights by saving cost than R.C.C Structure.
- ❖ It give ultimate strength to resist the seismic and wind loads than the R.C.C Structure.
- ❖ It gives flexibility in members to suits the design needs.
- ❖ It takes a great contribution in sustaining the natural material and their resources.
- ❖ It take 50 % less time in completion than the R.C.C structure.
- ❖ Because of shop controlled fabrication it give us premium Quality.
- ❖ It is durable and 100% recyclable than the R.C.C structure.

Applications

- ❖ Business towers
- ❖ I.T parks
- ❖ Mixed used tower
- ❖ Low cost housing
- ❖ Schools
- ❖ Hospitals
- ❖ Malls



Customized structural steel construction

Advantage

- ❖ It will suits the client requirements as well as the structural requirements of that iconic design.
- ❖ It will be of premium quality fabricated structure by keeping in mind that it will be exposed and worked as a decorative element of that building interior and exterior.
- ❖ It will be designed by keeping in mind all the aspects of modern architecture and engineering.
- ❖ It will be designed by skillful design team and fabricated by latest fabrication technology or constructed by a certified contractor.

Applications

- ❖ Air ports
- ❖ Metro stations
- ❖ Steel bridges
- ❖ Exhibition centers
- ❖ Office buildings
- ❖ Headquarters



Civil Construction

Lohaar is a leading civil construction company since a decade Lohaar executed lots of projects in his past and executing around twenty civil constructional project at present Lohaar provide this service on turnkey basis from design to complete construction to his clients of industrial as well as commercial sector in engineering and construction industry of India.

Lohaar also take first place in Uttarakhand for civil construction because it have years of experience of designing, management and execution of different projects.

Lohaar always committed to deliver quality construction and it gives because it is back grounded by highly skilled Architects, Engineers, Certified Contractors as well as latest construction machinery and equipment's.



(a) Industrial civil works



(b) Commercial civil works



(c) Customized R.C.C Structures works



Industrial Civil Works

We execute civil project for lots of industries on turnkey basis from their designing to completion. On the very first stage we design and analysis the project and then we start the work of site development by constructing these elements step by step follows:-

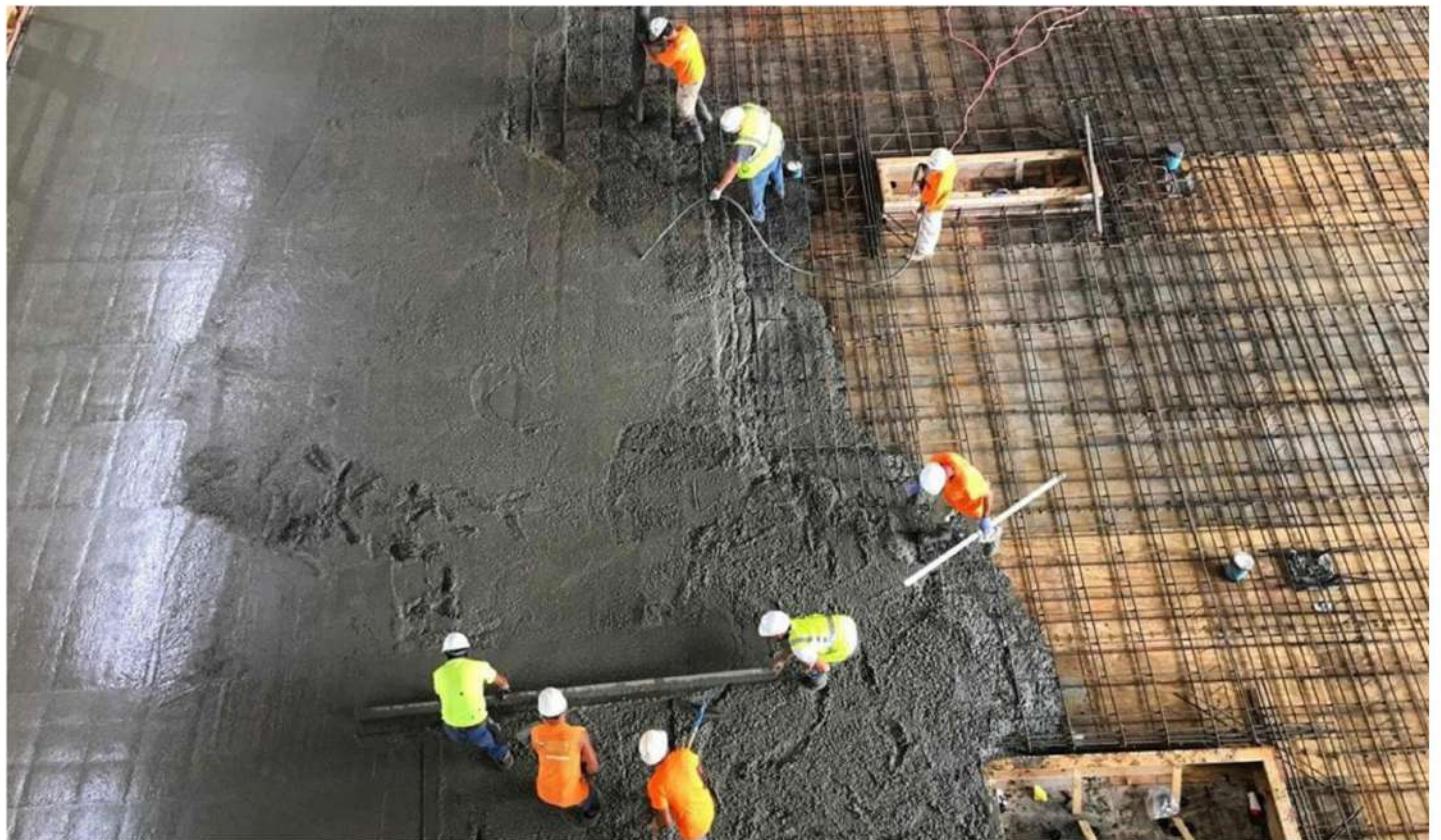
- * Construction of raft, pile and stepped foundation
- * Construction of boundary wall
- * Construction of other structures on site except shed area including foundation, beams, columns, masonry, slab casting, flooring and plaster.
- * Construction of internal R.C.C, C.C and tiles roads
- * Construction of tanks and basements
- * Construction of sub and super structure for shed including foundation, beams, columns, masonry, and slab casting on deck, flooring and plaster.



Commercial Civil Works

Also we have complete solution for commercial structures from their designing to completion, we design the projects by using modern architecture styles and develop the projects as per norms and construct them by considering all quality measures as well as health and safety or environmental management system measures we are integrated in commercial civil work with these project as follows:-

- * Office buildings
- * Malls
- * Shopping centers
- * Mixed used buildings
- * Showrooms
- * Workshops



Customized R.C.C Structures Works

We also associated with design and construction of customized R.C.C Structures on turnkey basis from their designing to completion and we also developed the projects as per client designs or requirement and built them by considering all quality measures as well as health and safety or environmental management system measures we are integrated in customized R.C.C Structures work with these project as follows:-

- * Construction of some unique building structures
- * Construction of R.C.C machine structures
- * Construction of tanks and basements
- * Construction of retaining structures
- * Construction of R.C.C and C.C roads

Composite Construction

By being a leading company in both of constructional fields Steel Construction and Civil Construction from the decades LOHAAR decided in 2015 that each and every project will be deliver in the form of Composite Construction that means LOHAAR will try to give a complete solution of construction (Steel construction with its complete civil works) to every project from its designing to completion on turnkey basis this facility will be more beneficial to his clients in the aspects of Dealing, Quality and financial management and so on. It's possible because LOHAAR heaving years of experience in both construction technologies and back grounded by a good financial support heaving India's latest technologies of designing, fabrication and construction.



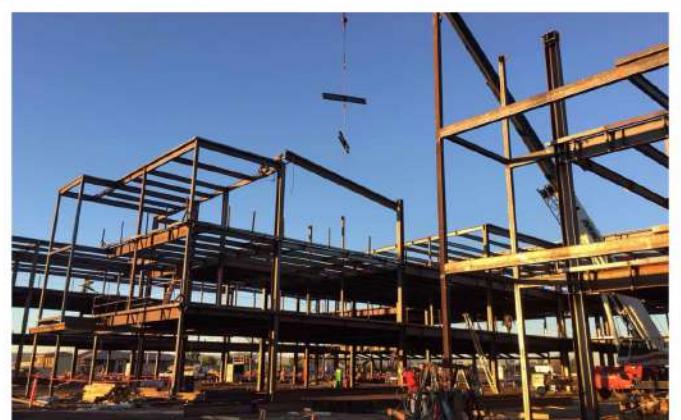
Pre- Engineered Ordinary steel structure



Pre- Engineered steel structure with mezzanine floor



Composite civil construction



Pre- engineered multi-storey steel structure

Pre- Engineered Ordinary Steel Structure

We deliver pre-engineered ordinary steel buildings with their complete civil work on turnkey basis from their designing to completion stage.

Applications

- ◆ Industrial Sheds
- ◆ Warehouses
- ◆ Godowns
- ◆ Cold stores
- ◆ Sport halls
- ◆ Exhibition halls
- ◆ Air craft hangers
- ◆ Gymnasiums
- ◆ Poultry farms



Pre- Engineered Steel Structure With Mezzanine Floor

We deliver pre-engineered steel buildings with mezzanine floors with their complete civil work on turnkey basis from their designing to completion stage.

Applications

- ◆ Godowns
- ◆ Workshops
- ◆ Super markets
- ◆ Showrooms
- ◆ Service stations
- ◆ Exhibition centers
- ◆ Theaters
- ◆ Stadiums
- ◆ Auditoriums



Pre- engineered multi-storey steel structure

We deliver pre-engineered multi-storey steel buildings with their complete civil work on turnkey basis from their designing to completion stage.

Applications

- ◆ Business towers
- ◆ I.T parks
- ◆ Mixed used tower
- ◆ Low cost housing
- ◆ Schools
- ◆ Hospitals
- ◆ Malls



Composite Construction

We deliver customized structural steel construction project with their complete civil work on turnkey basis from their designing to completion stage.

Applications

- ❖ Air ports
- ❖ Metro stations
- ❖ Steel bridges
- ❖ Exhibition centers
- ❖ Office buildings
- ❖ Headquarters



(LGFS) Light Gauge Framing System

LOHAAR is one of the Uttarakhand leading and most respected company in the field of LGFS Solutions in INDIA. It has continuously introduced innovative and modern building products with a promise of strength, safety and speed. LOHAAR Innovative state of the art technology is faster for manufacturing and erecting LGFS buildings on a turnkey basis in the supervision of various highly qualified Engineer's, Architects using the core strength of Light Gauge Steel. This Framing System allows multiple applications across commercial and residential sectors so in addition to the lower initial cost and faster delivery, you have to deal with one company LOHAAR for the design and fabrication of your dreams world.



(LGFS) DESIGNING AND MANUFACTURING

DESIGNING

LOHAAR has the best-class designing and engineering office, manned by team of experienced professional's equipped with British latest software SCOTSTEEL, SCOTSTRUSS, SCOTRF, SCOTPANEL.

MANUFACTURING FACILITIES

All buildings are manufactured with the help of automatic SCOTSTRUSS 600 RF6 Roll former machine and also designed, erected in accordance with applicable latest editions of Indian and British codes and standard are follows.

- ◆ Indian Standard IS 801:1975
- ◆ British Standard BS 5950 (Part-5)
- ◆ British Standard BS 5950 (Part-1)
- ◆ Indian Standard IS 875:1978 (Part-1,2,3)
- ◆ Is 1893 (Part-1):2002 (Part-1)

APPLICATIONS

- ◆ Rehabilitation Camps
- ◆ Hostel buildings
- ◆ Sample flats/Marketing Office
- ◆ Residences/Bungalows
- ◆ Additional floor on the terrace
- ◆ A cottage in a farm house or a hill area
- ◆ Office inside a warehouse or factory
- ◆ Retail outlet, Guard room
- ◆ Internal partition walls inside an orthodox
- ◆ Office Buildings, Residential buildings
- ◆ Mass Housing



(LGFS) DESIGNING AND MANUFACTURING

Sections of Light Structural Members



TS40



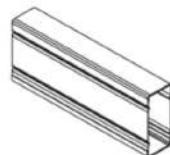
TS61



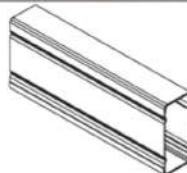
SC075



SC100



DC075



DC100

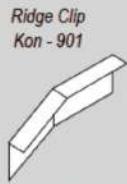
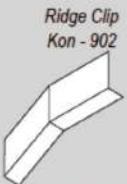
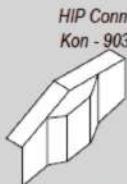
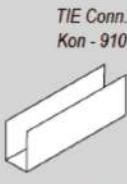
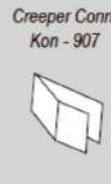
Material Specifications

Light Structural members are made from 55% Al-Zn Alloy coated ZINCALUME steel AZ150 G550 (550 MPa minimum yield strength), complying with AS 1397 and IS 15961.

Length

The section can be made available in 3 m, 4 m, 5 m, and 6 m standard lengths. Length of upto 12 m can ce made available on request.

Connection Clips and Fasteners

Ridge Clip
Kon - 901Ridge Clip
Kon - 902HIP Conn.
Kon - 903TIE Conn.
Kon - 910TIE Conn.
Kon - 909Creeper Conn.
Kon - 907

Kon - 905

Self Drilling & Tapping, Corrosion
Resistant Fasteners (Class 3)

EXTERIOR AND INTERIOR FINISHES

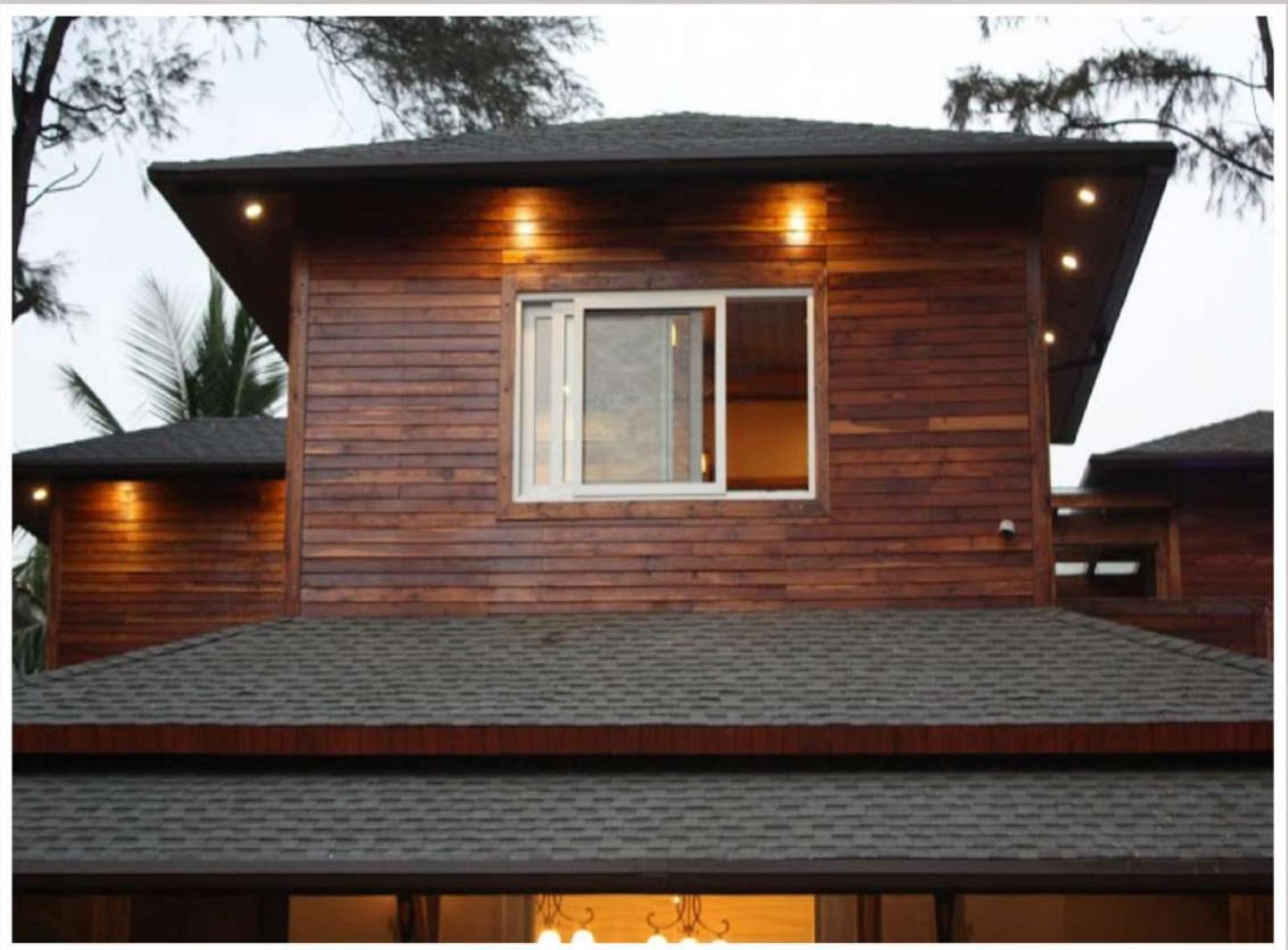
- ◆ Metal roofing's
- ◆ Exterior grade cement board walls
- ◆ Metal wall cladding
- ◆ Glazing wooden panels for interior
- ◆ Flooring tiles
- ◆ Cement fiber board for interior
- ◆ Fiber & gypsum false ceiling

ADVANTAGES

- ◆ Structural steel's low cost, high strength & durability
- ◆ Design flexibility, adaptability and recyclability
- ◆ Cost Efficient and Quick to Build
- ◆ Environment Friendly
- ◆ Termite proof
- ◆ Fire Resistance
- ◆ Earth quake and wind resistance
- ◆ Energy Efficiency

BENEFITS TO OUR CLIENTS

- ◆ High strength results in safer structures
- ◆ Greater durability results in less maintenance and slower aging of Structure
- ◆ Fire safety
- ◆ Not vulnerable to termites, fungi or mold
- ◆ Less probability of foundation problems less weight results in less movement
- ◆ Engineered to withstand high seismic and wind loads
- ◆ Screwed connections allow for relatively easy modifications or repairs
- ◆ Does not require bricks, river sand, water for construction and curing, cement, or chiseling in the walls for electrical and plumbing provisions
- ◆ Does not produce debris or require masonry
- ◆ Insulation and soundproofing options available... and more.



Capabilities

Lohaar ensure that he is capable for doing any kind of project in from of as he described because it is back grounded by all of these qualities described below.

(A) Project Planning and Designing

LOHAAR having a state of art of designing facility, where 20 designers having latest designing skills and software skills, design each and every part of simple and complex steel structures as well as R.C.C structures free of cost as per world latest designing codes to suits the client's needs and project need by generating all these drawings.

- ◆ Conceptual drawings
- ◆ Zoning drawings
- ◆ Site plans
- ◆ Floor plans and layout plans
- ◆ Sections and elevations
- ◆ Shop drawings and working drawings
- ◆ Erection drawings and rendered 3d Views



(B) Project Management

Lohaar has a team of highly skilled peoples whom having years of experience in project planning and management they manage the project by using the guidelines of PMI, PERT and CPM as per completion time and clients requirements to suit the Lohaar working capabilities.

(C) Quality control, Health and Safety Management & Environmental Management

Lohaar always feels very proud to be certified by the international standard organization (ISO) we follow all the certification criteria's and standards of these certificates in the execution of each and every project



• ISO9001:2015

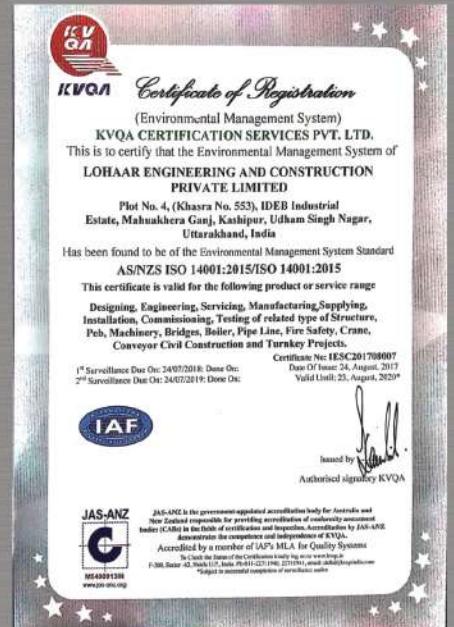
Ensure that each and every product and project is of premium quality and produced by considering the criteria of this certificate.

• OHSAS 18001

Ensure that each and every product and project is executed by considering all the health and safety instructions of this certificate.

• EMS 14001

Ensure that each and every process of project execution from its initial stage to final stage proceeded after considering all the measures of environmental system.



(D) Project Fabrication and Construction



LOHAAR ensure that Lohaar has a state of art of manufacturing facility in well spread IDEB industrial estate of Mahuakhera Ganj at Kashipur, Uttarakhand Plant spread over in 55,000 Sq. Feet area heaving its 1200 Ton/Month production capacity with the help of equipped world latest fabrication machinery.

Lohaar also ensure that every construction is done, accordance with Indian standards of civil construction by taking minimum time, saving cost and by giving premium quality with the help of latest construction machinery and equipment's.

(E) Project completion



CERTIFICATE OF APPRECIATION

We the undersigned do hereby proudly present this certificate for the outstanding effort, dedication punctuality of time, you have shown as a part of project management team towards the successful completion of our project.

We humbly congratulate and wish you all the very best for your future endeavour. We will work soon in future.



LOHAAR ensure that his team have years of experience of completion and they always committed to manage any kind of major and minor project because they give their 100% to each and every project at every stage they always try to start the project as soon as possible and try to complete it on time without compromise with the quality and safety.

Some of our esteemed clients

AMBASHAKTI GLASS INDIA PVT. LTD.

K.K. SEED LIMITED

G.O. POLYMERS PRIVATE LIMITED

NAINI PAPERS LIMITED

MAXIMA GLASS PVT. LTD.

HEPTACARE POWER INDUSTRIES LTD.

ONEUP MOTORS INDIA PVT. LTD.

RAMAA SHYAMA PAPERS PVT. LTD.

SHEETAL AGRO FOODPARK PVT. LTD.

SHRI SHARDANAND FOOD PROCE. PVT. LTD.

MAINGI & COMPANY

ALIGARH DIE CASTING

RAYANA PAPERS BOARD INDUSTRIES LIMITED

SILVERTOAN PAPERS LIMITED

BHARAT MOTORS

PANCHNUD SMARAK TRUST

VECTUS INDUSTRIES LIMITED

SHEIKH BHULLAN CARPETS PVT. LTD.

BAHL PAPER MILLS LIMITED

MAGIC WIRE PVT. LTD.

KATAYANI PAPER MILLS PVT. LTD.

GENESIS RIVER VIEW RESORTS LLP

SHRI SHANDAR SNACKS PVT. LTD.

PROLIFIC PAPERS PVT. LTD.

KS MACFAB PVT. LTD.

CHARMINAR BRUSH INDUSTRIES

VLG ENTERPRISES

ADVANCE DECORATIVE LAMINATES

DEV PRIYA PRODUCTS PVT. LTD.

HONEY SUGAR PRODUCTS

PIONEER POLYLEATHERS LIMITED

GUPTA POWER INFRASTRUCTURE

UNIKO PLAST PVT. LTD.

NOWOTEX TECH PRIVATE LIMITED

RUDRAPUR SOLVENT PVT. LTD.

NEW KAMBOJ SEEDS

RAGHAV ROLLING MILLS

PASUPATI ACRYLON LIMITED

NEW BONANZA INDIA LTD.

KHANDELWAL INDUSTRIES

GOLD PLUS GLASS INDUSTRIES LTD.

JS INTERNATIONAL

TRANSCON POWER PVT. LTD.

SANDHYA GUPTA

GUPTA INDUSTRIES

CHAWLA RICE MILL

SHRI BANKEY BIHARI AUTO PVT. LTD.

AJANTA TRADERS

BIONOMIC ORGANIC LLP

ADIE BROSWON BREWERIES PVT. LTD.

AGGARWAL ALUMINIUM COMPANY

BLUESHIRAZ WINEYARD PVT. LTD.

BP INDUSTRIES (PLYBOARDS) PVT. LTD.

GANESH PLYWOOD INDUSTRIES

GORVA GLASS DECORATORS

KASHI VISHWANATH TEXTILE MILL PVT. LTD.

KR PULP AND PAPERS LTD.

MAHAK PAPER CONVERTERS

M/S ARORA AND SONS

NARAYANI PLY AND BOARDS PVT. LTD.

NITYA GARMENTS

QUALITY LAMINATORS

RAJENDRE PRASHD GARG

SIDHBALI ALUMINIUM EXTRUSIONS

M/S A.K. MOTORS

VEETADAY INDUSTRIES PVT. LTD.

AUTO LINKS

ALCON PANEL INDUSTRIES PVT. LTD.

SHYAMRATAN FOOD INDUSTRIES LLP

VANSH POLYPACK LLP

SOMYA TRADERS



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