

N Nipani
I Infra &
I Industries
P Private
L Limited

*Your Priority is
Our Business*



COMMUNITY HALL PATNA



NIPANI
INFRA & INDUSTRIES PVT. LTD.
FORMERLY NIPANI INDUSTRIES
LGSF SOLUTION PROVIDER

L LIGHT
G GAUGE
S STEEL
F FRAME



ECO FRIENDLY



LOW MAINTENANCE



FASTER



LOW LIFE CYCLE COST



TTD, KANYAKUMARI

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INTRODUCTION

Established in 1996, Nipani Infra & Industries Private Limited (formerly Nipani Industries) with vast experience of over 20 years is today one of the leading Light Gauge Steel building products manufacturer and complete structural steel construction solutions provider in India. Our innovative state of the art technology is one of the fastest for manufacturing and erecting buildings. Using the core strength of high tensile steel, its Light Gauge Steel Frame system allows multiple application across Commercial and Residential sectors. Nipani Industries offers high design standard, strong financial background and architects/interior designers to choose from a large variety of external and internal finishes, assurance of being a reputed home-grown Indian company with an excellent track record.

OUR VISION

- ◆ Don't find customers for our product, Find product for our customers.
- ◆ Business is all about getting and keeping customers.
- ◆ Accreditation with appropriate bodies is very important.
- ◆ Marketing Approach is **SMART**, Specific, Measurable, Attainable, Realistic and Timely.
- ◆ Core Strength, **4 P's** of Nipani Industries. Product, Price, Place and Promotion.

MISSION

- ◆ To deliver product to level of customer delight.
- ◆ To nurture lasting customer relationship by anticipating needs and delivering beyond expectations.
- ◆ To continuously improve cost stewardship.
- ◆ To come with Innovative and substantial solution.
- ◆ To support and groom next generation.
- ◆ To deliver value added products to domestic and global market.



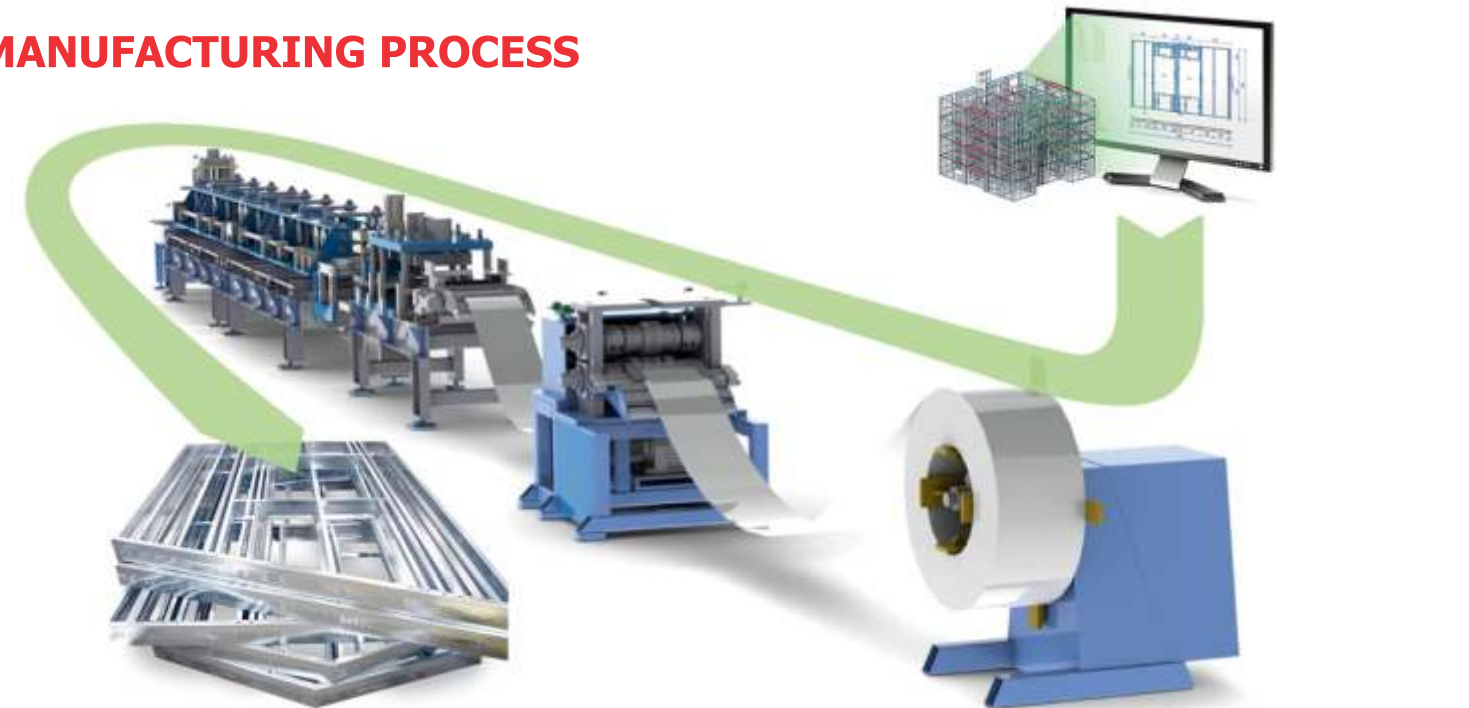
Making Building construction Lighter, Faster & Easier using Light Gauge Steel Frame (LGSF).

LIGHT GAUGE STEEL FRAME

LGSF is made up of - CFS (cold formed steel)

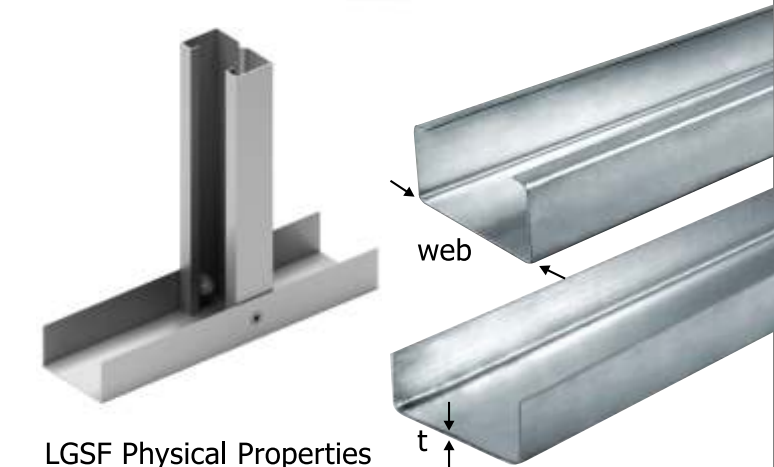
Made from structural quality sheet steel formed into shape either through press-braking blanks sheared from sheets or coils, or more commonly, by roll forming the steel through a series of dies. No heat is required to form the shapes (unlike hot-rolled steel), and thus the name Cold Formed Steel.

MANUFACTURING PROCESS



WHY COLD FORMED STEEL

- Cold-formed steel members and other products are thinner, lighter, easier to produce, and typically cost less than their hot-rolled counterparts.
- A variety of steel thicknesses are available to meet a wide range of structural and non-structural applications.



LGSF Physical Properties
Strength - 345-550 MPa
Thickness (t) - 0.75mm to 1.15mm
Web - 89mm - 150mm
Galvalume/GI Sheets

CONSTRUCTION SEQUENCES

To Construct 15000 Sq Ft Single Floor Building it takes 150 Days using LGSF whereas in Conventional it take around 365 Days. – 50% Time Reduction.



1. Foundation



2. Structural Erection



3. Wall Cladding



4. Insulation



5-A. Sloped / Pitched

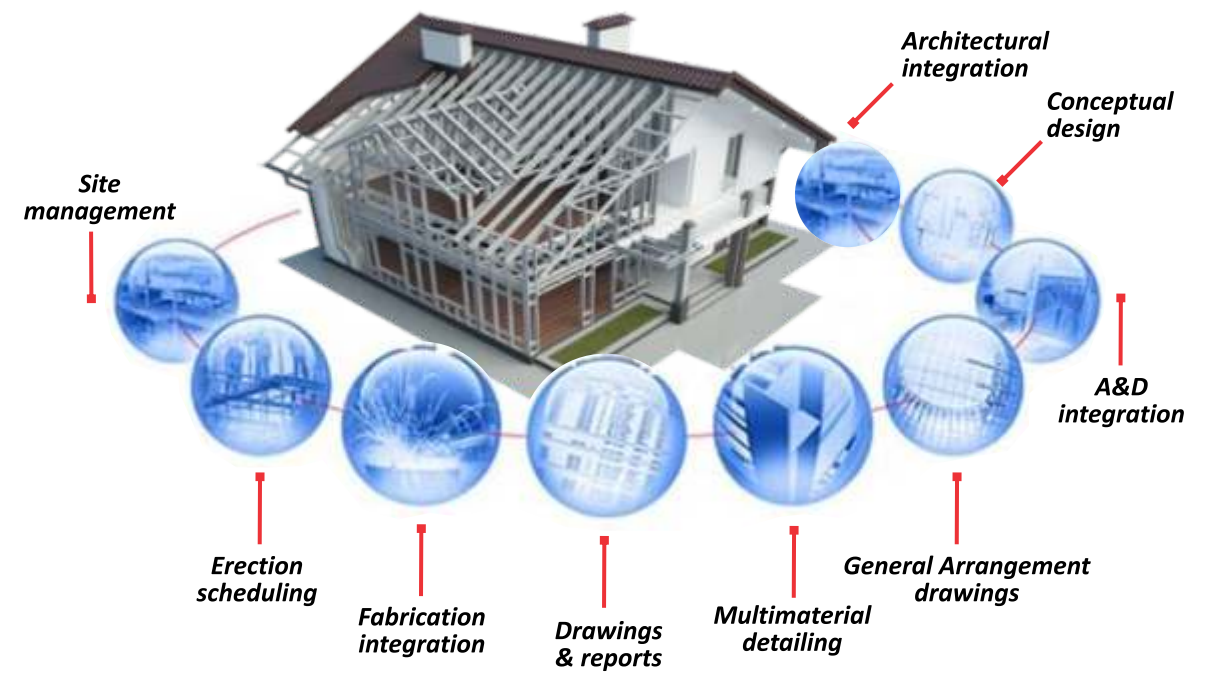


5-B Flat Roof



6. Finish Building

OUR DELIVERABLE



BENEFITS OF LGSF

60% Reduction in Dead weight of Building.

50% Reduction in Construction Time

Low Life Cycle Cost.

Flexibility in design – large spans and architecturally pleasing

Most Suitable for high **Seismic Zones** (Zone IV - V)

Early Return on Investment

Eco Friendly by reducing Construction & Demolition Debris

Savings in Carpet Area due to slender steel sections



Successfully
Completed
10 Lac SQFT
with LGSF





LGSF

FOR ROOFTOP EXTENSION

5 step activity

Water proofing & foundation 1



LGSF Assembly 2



LGSF Erection 3



Cladding & Insulation 4



Finishing & Painting 5



- Are you looking for Faster & hassle free ROOFTOP EXTENSION?
- Do you want to mount solar panel on your roof top ?
- Is your house in densely populated area & want to construct additional floor?
- Are you looking for permanent water proofing & heat Insulation for your existing roof?

- ▲ Additional Floor can be added to building with 60% less dead weight.
- ▲ Mounting Solar Panel over LGSF structure is easier.
- ▲ Extra floor to take benefits of increased FAR.
- ▲ Permanent Water Proofing treatment and Heat Insulation for Rooftops.
- ▲ Light in weight, easily shifting of material to Rooftop.
- ▲ Hassle Free operation for existing Occupants.
- ▲ Faster & Pollution free construction.
- ▲ For Buildings located in densely populated & traffic area.



Our Manufacturing Facility @ Jabalpur (M.P.)



INTEGRATED SOLUTION BY NIPANI

IN-HOUSE **DESIGN** FACILITY

IN-HOUSE **MANUFACTURING** FACILITY

CERTIFIED **ERECTION** TEAM

NIIPL EXECUTED SIMILAR PROJECTS



STAFF QUARTERS



BARRACK



DINING HALL

WHY LGSF for MES ?

- Building being commonly constructed by MES are barracks, Staff Quarters, Officers Mess, Bachelors accommodation and married accommodation in **Difficult Terrain**.
- Faster construction is required to meet the purpose.
- Low Maintenance Solution.

EXTERNAL INSULATION & FINISHING SYSTEM (EIFS)

Fiber Cement Board

Adhesive

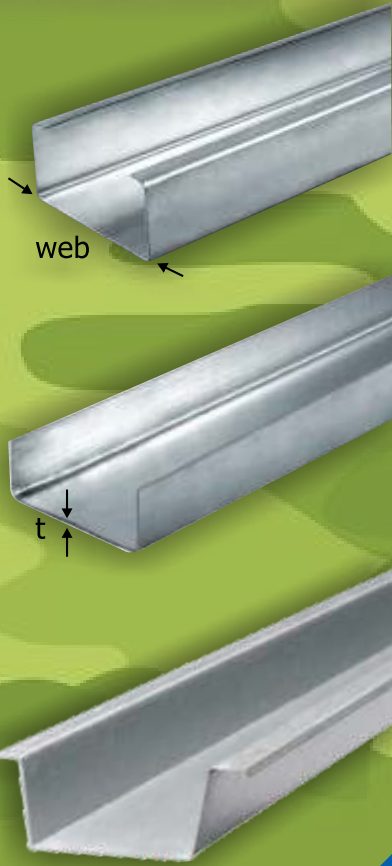
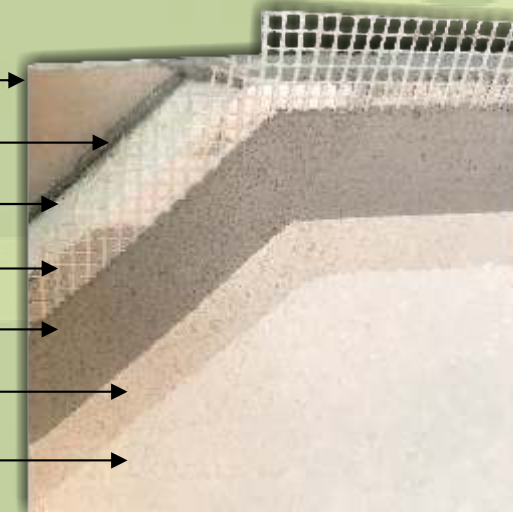
EPS

Fiber Mesh

Base Coat

Top Coat

Painting



- Building Located in extremely cold or Hot environment needs more insulation.
- Premium Buildings which requires iconic finishing.
- For Energy Conservation by reducing HVAC load.