



SPACE FRAME MANUFACTURERS



# SPACE FRAMES

## 3D STRUCTURAL LONG SPAN ROOFING SOLUTIONS

Capacity 500,000 Sq, Mtrs per year excuted projected 3,500,000 sq, mtrs till date

Metalkarma is established as a Pvt Ltd Company located in industrially advanced metro city of Bangalore, India to provide quality steel space frame structural solutionsto various building & architectural needs.

MET Space Frames are typically used for Roofing of Large Span Structures without center columns which are extremely useful in projects like Coal, Cement, Limestone, Gypsum & Sugar Storage Domes, Sports Stadiums, Airports, Shopping Malls, Skywalks, Pedestrian Bridges, Metro Railway Stations.

The salient features are:

The Space Frame, as the name implies, is a three dimensional structural system which caters to the need of clear long span free spatialarea.

The roofing quality is exccptionallyood as the dedeflections are almost negligible.

Its 3D behavior ensures optimum utilizati of materials leading to huge savings in steel consumption.

Quality and accuracy is rest assured as the system is completely pre-fabricated under factory controlled conditions.

The multi-directiona force e distributi permits greater design freedom allowing random locationof supports.



### ADVANTAGES OF SPACE FRAMES

- \* Lighter and structurally efficient
- \* Lesser cost for large span areas
- \* Pre-finished to avoid site painntin& inspection
- \* Simple modification, dis-assembly for re-use
- \* Deflection are very small even when spans are very large
- \* Accommodates concentrated loads
- \* Suit irregular support or plan geometry
- \* Variable depth for roof drainage is built-in
- \* Minimum structure weight
- \* Long clear spans up to 180meters

### APPLICATION OF SPACE FRAMES

- \* Structure for large passenger terminal building for airport
- \* Security entrance gate canopies,school multipurpose hall
- \* Large prayer halls,mall,atriums & roof structures
- \* Auditoriums. Sports stadium. Airport Facilities
- \* Factories / industrial sheds. Exhibition Halls /
- \* Showrooms. Recreational and Sports areas
- \* Basketball / Badminton courts, Indoor football stadiums
- \* Pedestrian Overpasses. Shopping Malls
- \* Car Park Sheds. Gas / Petrol Stations, Curtain walls
- \* Metro Railway Stations. Highway Toll Gates



VISIT US :  
Stall No.4D-1 Saudi Infrastructure  
Riyad, Kingdom of Saudi Arabia  
on 6-8th September 2022

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