

**SWATHI BUILD - TECH PVT. LTD**

# INTRODUCTION



Swathi Build - Tech Pvt Ltd (As ISO 9001 -2015 Certified Company), manufacturers of 'KSR brand PEB structural, metal roofing & ceiling system in Aluminum and Steel with Colour coated finish. All metal ceiling systems and its allied material are designed to integrate with Standard Light Fittings, Air Conditioning and Fire Applications Equipment.

The 'KSR' PEB Structural, Metal Roofing & Ceiling Systems are available in wide range of panel type & title type suitable for Petroleum Retail Outlet Canopies, Warehouses, Hospitals, Function Halls, Banks, Offices, Shopping Malls, Hotels & Industries etc.,

Swathi Build - Tech Pvt Ltd has a tie up with JSW for the supply of raw material HR, GI, PPGI, PPGL, BGL, Coils/Sheets with a quantity of 9000 MT Per Annum. Our current plant capacity caters to produce

### Our current plant capacity caters to produce

• PE.B. Structural	:	1.25 ton/Hr = 25 tons/day
• Clip - lock roofing	:	500 Sq.Mtr/Hr 10,00 Sq.Mtrs/day
• Hi rib roofing	:	840 Sq.Mtr/Hr 3000 Sq.Mtrs/day
• False Ceiling	:	141 Sq.Mtr/Hr 3000 Sq.Mtrs/day
• Purlins	:	upto 27 MT per day

Our works located at Pati village, Patancheru Mandal, Sanga Reddy Dist. has built up area of 7500 sq. mtrs with open land of 13,200 sq.mtrs.

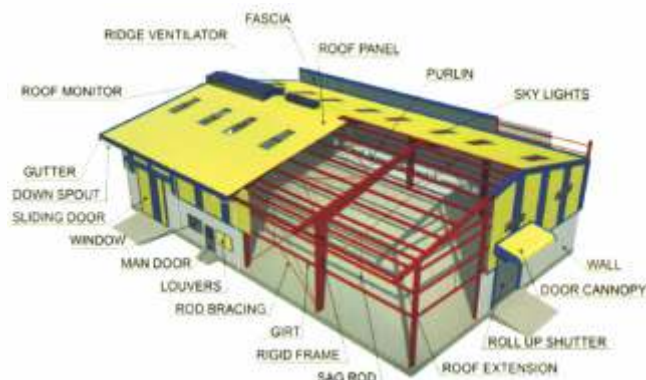
**Our product systems details, specifications and services are as below :-**

## PRE ENGINEERING BUILDING (PEB)

Swathi is one of the India's fastest growing steel building solution company, situated in Hyderabad. We **Design, Manufacture, Supply and Erect Pre Engineering Building Systems, Complete Roofing and Wall Cladding Solutions.** Swathi is one of the few manufacturers in India to have a fully Integrated plant for Pre Engineered Building, Roof & Wall Panels, Z & C Purlin, Floor Deck Sheets etc. We have production capacity to produce total of 3000 tons/month of steel building. Adherence to the internationally accepted engineering practices in production, planning and control helps to keep up the delivery dates, products quality and efficient implementation. The experience, expertise and exposure that had been acquired over the years has enabled Swathi to diversify into providing turn key contracting services to construction industries and offering single source responsibility involving complete pre - engineered building systems and solutions. Swathi is committed to provide the customer with the best quality products and services.

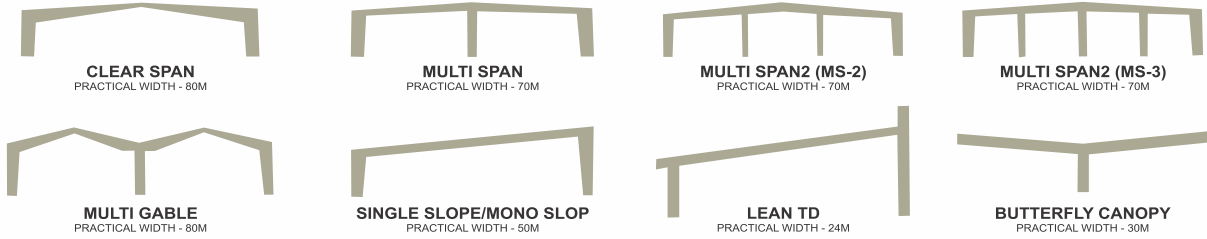
Application	Advantage
<input type="checkbox"/> Factories	<input type="checkbox"/> Short project times
<input type="checkbox"/> Warehouses	<input type="checkbox"/> Large clear spans
<input type="checkbox"/> Cold Storage	<input type="checkbox"/> Reduced construction cost & time
<input type="checkbox"/> Petrol Stations	<input type="checkbox"/> Faster delivery and installation
<input type="checkbox"/> Schools/Colleges	<input type="checkbox"/> Factory controlled quality
<input type="checkbox"/> Offices	<input type="checkbox"/> Aesthetically Appealing
<input type="checkbox"/> Showrooms	<input type="checkbox"/> Virtually maintenance free
<input type="checkbox"/> Commercial Complex	<input type="checkbox"/> Single Source responsibility
<input type="checkbox"/> Recreational Centres	

Design Standards	
FRAMES	AISC/MBMINS
PURLIN/GIRTS	AS/IS
CLADDING LOAD	AS OR MBMA
LOAD COMBINATION	IS / MBMNAS



## Primary Framing Systems

Swathi IPL pre-engineered buildings are custom-designed to meet your exact requirement. Each is designed by professional, experienced engineers and manufactured to exact tolerances under rigid quality controlled plant conditions. The most common primary framing systems are shown below



## COMPOSITE FLOOR DECK

Intermediate mezzanine floors are possible in metal buildings. Mezzanine floors can be provided in complete or partial area in Pre-engineered Buildings to suit loading requirements for office and storage. Mezzanine floors consist of steel packs, supported by joints framed to the mezzanine beams. Main mezzanine beams normally run across the width of the building and are located under the main rafters while joints run parallel to the length of the building. The top flange of the joints fits immediately below the top flange of the mezzanine beam. The economy of the mezzanine floor is affected by the applied loads and support column spacing.

## DOUBLE LOCK STANDING SEAM ROOFING

Standing seam is normally used in the roof. The aluminium roofing can achieve various shapes and the advantages of the standing seam roofing is a leak proof in total and also screws will not be used hence the leakage is eliminated. It is also widely used for wall cladding because it generates a fascinate with neat look. Standing seam roof can be used for very low slope as low as 1.5°. Standing seam roofs are available in various sizes/profiles SS 2000, MR - 24, 65/400 by Kingspan, 32/320 by Vijaynath.

## COATED STEEL SHEET

Coated Steel Sheet has been used extensively by the construction industry throughout the world for nearly two centuries. Because of its excellent corrosion resistance, it has become the preferred material for a wide range of construction uses, particularly roofing and cladding. Coated steel sheets are a unique building material. It combines the strength of steel with the excellent corrosion protection of zinc / aluminum alloy coatings, it can be punched, roll-formed and joined into a limitless number of structural and decorative building products.

### Technical Specification of Aluminum Zinc Alloy Coated Steel

Base Metal	High Tensile Steel
Coating Mass	AZ 150
Coated Std.	AS 1397 - 1993
Yield Strength	550 Mpa/300Mpa
Thickness	0.50mm
Tolerance	+ -0.04 as per AS/NZS 1397

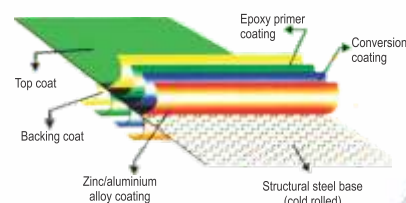
### Technical specification of Galvanised Colour Coated Steel

Base Metal	High Tensile Steel
Coating Mass	120 GSM
Coated Std.	IS :277 / JIS:3302
Yield Strength	240 Mpa
Thickness	0.50mm & .6 mm
Tolerance	+ -0.03 as per IS:513

### Product Range

- BG** (Al-Zn Alloy Coated Steel): Combination - 55% Aluminium; 43.4% Zinc & 1.6% Silicon
- PPGL** (Pre-Painted Al-Zn Alloy Coated Steel)
- PPGI** (Pre-Painted Galvanised Steel)

### Pre-Painted Al-Zn Alloy Coated Sheet

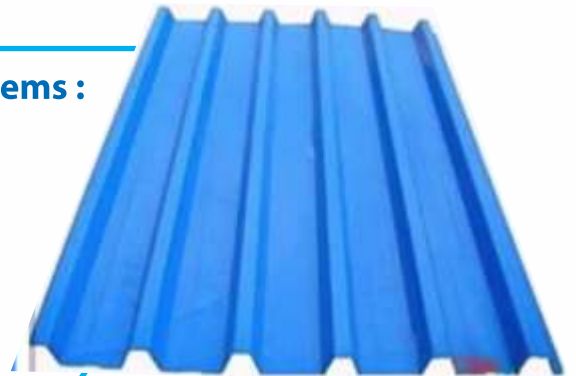


## HI RIB ROOFING

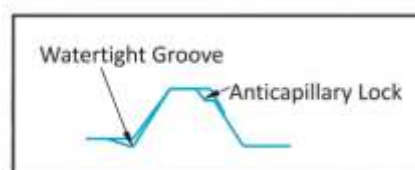
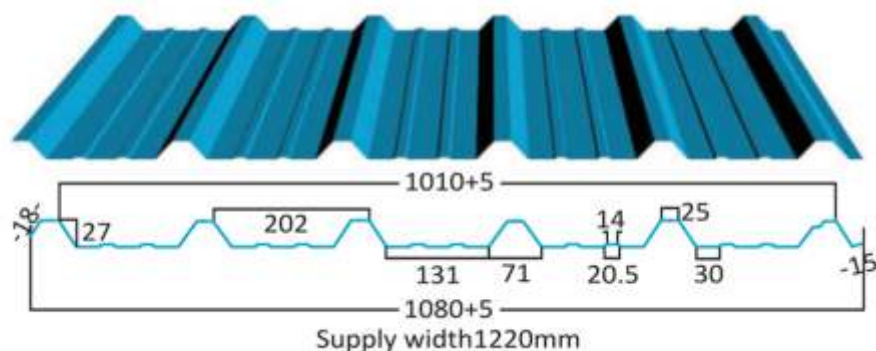
Roofing (KSR Brand Hi Rib) provided by Swathi Build Tech Pvt Ltd is truly one of the most cost effective and the grade-one metal roof systems. These sheets are manufactured using color coated Galvalume/Galvanized, Soft Steel and High Tensile Steel. Metal roof is of high quality material sourced from JSW

### Features available with our Metal Roofing Systems :

- Durability and Easy Maintenance
- Corrosion Resistant
- Strong & Lightweight
- Aesthetically Pleasing
- Thermally Efficient
- Outstanding flexibility in design



PMS profiles when used for Roofing & Cladding application are fixed to the steel supports / purlins with zinc coated / galvanized Hex-head self drilling fasteners with integrated Metallic washer & EPDM neoprene washer assembly. The fasteners are fixed mechanically with electric tools through the crests

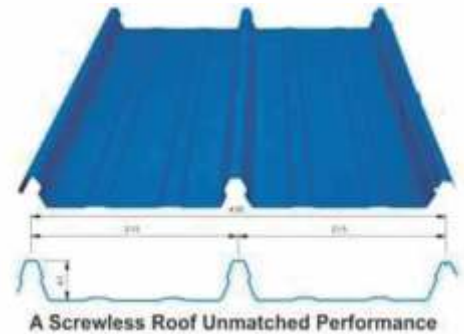


## CLIP LOCK ROOFING SYSTEM

Clip-Lock Roof is a strong, durable and versatile long length roof and wall cladding. It combines the strength of steel, with smart fluted pans and a lock-action rib design which together with concealed fastening, enables its use on many applications from low pitched roof to vertical or as horizontal ribbed walling.

Available finish

PPGI Roofing	240/550Mpa
Bare Galvalume Roofing	240/550 Mpa
Colour Coated Galvalum Roof	240/550 Mpa



### ATTRIBUTES

Screw less roof, Optimum for low pitch application

High water carrying capacity, Long lasting and Easy maintenance, Strong & Lightweight.

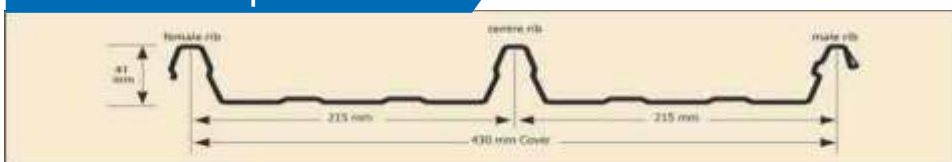
### TECHNICAL SPECIFICATIONS OF ZINC ALLOY COATING

Combination	99% Zinc
Material	Galvanised
Coating Mass	Z 120 GSM
Base Metal	High Tensile Steel
Yield Strength	240/ 550 Mpa
Total Coated Thickness	0.47 mm - 0.60 mm

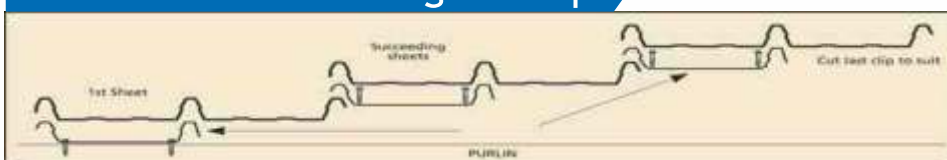
### TECHNICAL SPECIFICATIONS OF ALUMINIUM ALLOY COATING

Combination	55% Alu, 43.5% Zinc a 1.5 % Silicon
Material	Gal Calume - ASTM A 792 M
Coating Mass	AZ 150/200

### Profile : Clip - Lock 430



### The concealed fixing concept



## FALSE CEILING

### 150F /200F Interior & Exterior

#### Materials :

GI Color Coated CR steel as per IS-513  
120/180/275/550GSM 20 microns paint finish  
0.60 aluminum alloy AA 3105, Colour coated sheet



#### Panels:

150 mm / 200mm, 17 mm deep, made out of 0.50mm / 0.60mm galvanised steel/ aluminum colour coated panels. Panel length upto 6 mtrs.

#### Panel Carrier :

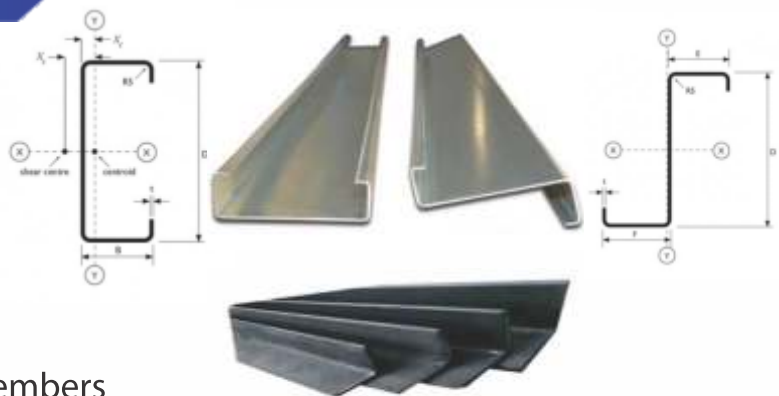
34.5mm wide, 48 mm deep made out of 0.60mm Galvanised steel black colour finish with prongs to hold panel in module of 150mm / 200mm

#### Suspension :

Cold rolled formed Z section made out of GI coils with 120/180/275/550GSM galvanized and yield strength of 240/550 mpa

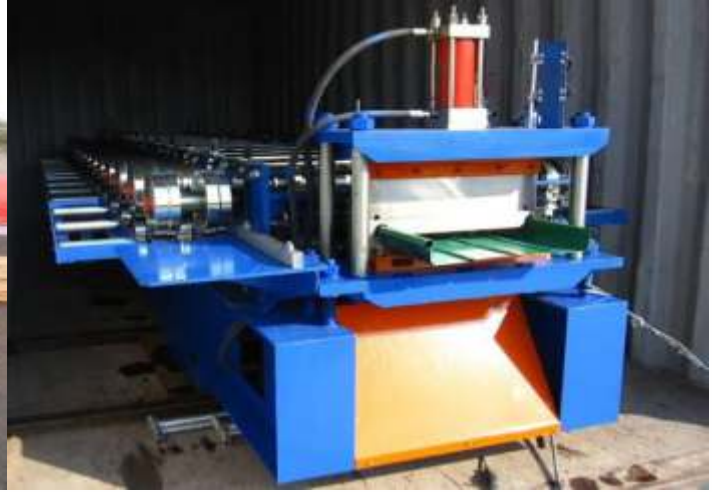
## PRE-PUNCHING C, Z PURLIN & L-ANGLES

Rolled formed C & Z purlin made out of GI coils with 120/180/275/550GSM galvanized and yield strength of 240/550 mpa or galvanized tube section/ equivalent structural members



<u>h x b x c</u>	<u>h x b1 x b2 xc</u>	<u>L-Angle Size</u>	<u>Thickness</u>
150 x 65 x 20	150 x 58 x 68 x 20	25 x 25 x 1.50	to 100 x 100x 1.50
200 x 65 x 20		2.00	2.00
250 x 65 x 20	250 x 58 x 68 x 20	2.50	2.50
300 x 65 x 20	300 x 58 x 68 x 20	3.00	3.00

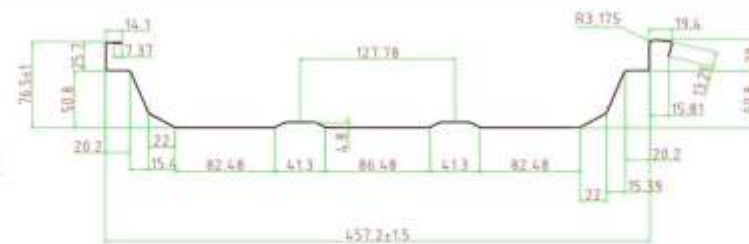
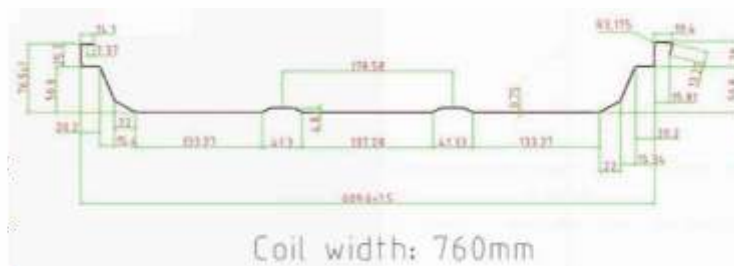
# STANDING SEAM ROOFING



## SPECIFICATION OF THE MATERIAL

1	Yield strength	PPGI 345Mpa
2	Width of the raw material	610mm and 760mm
3	Thickness	0.5-0.7mm
4	Material	Galvanized

## STANDING SEAM ROLL FORMING MACHINE PROFILE DRAWING



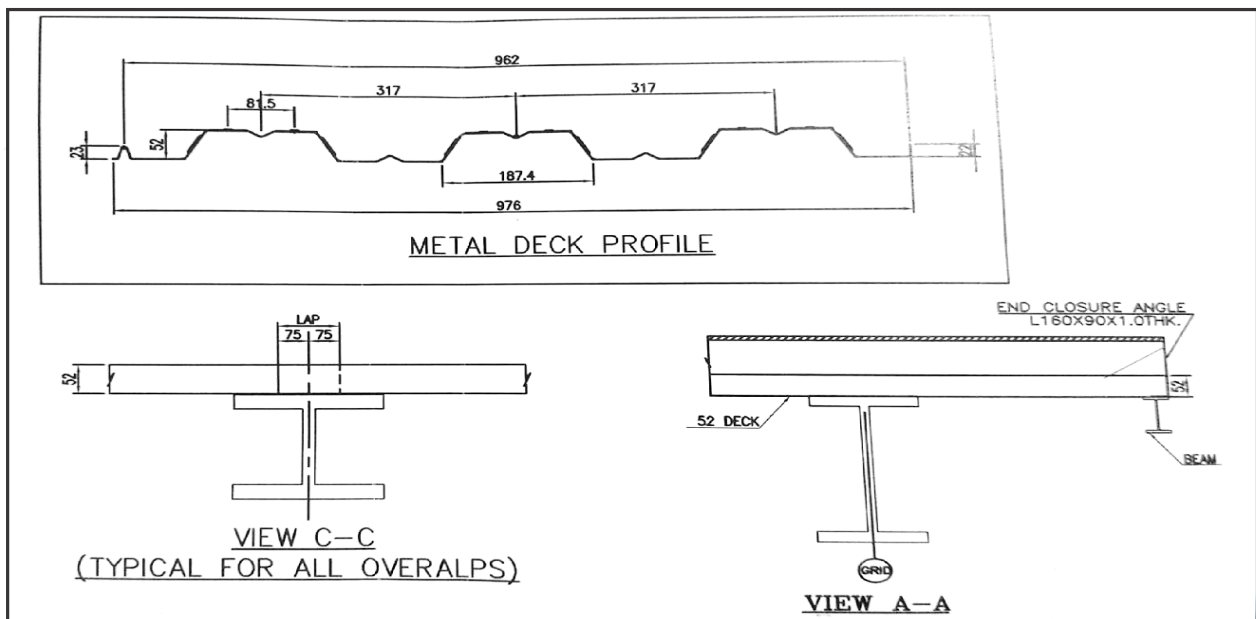
## SUPER DECK 52-52/17 PROFILE MATERIAL



### SPECIFICATION OF THE MATERIAL

<b>Type</b>	CR Steel/ HR Steel/ RO Primer Coated/ Galvanized Steel/ Pre Painted Steel	<b>Dimension (mm)</b>	
		Depth(d)	52
<b>Yield Strength</b>	240 Mpa - 350 Mpa	Pitch(p)	317
		Overall width	976
<b>Lengths</b>	Up to 12000mm	Covered Width	962
		Thickness	0.63- 1.25

### SUPER DECK ROLL FORMING MACHINE PROFILE DRAWING





## OUR MANUFACTURING FACILITY





## OUR PROJECTS

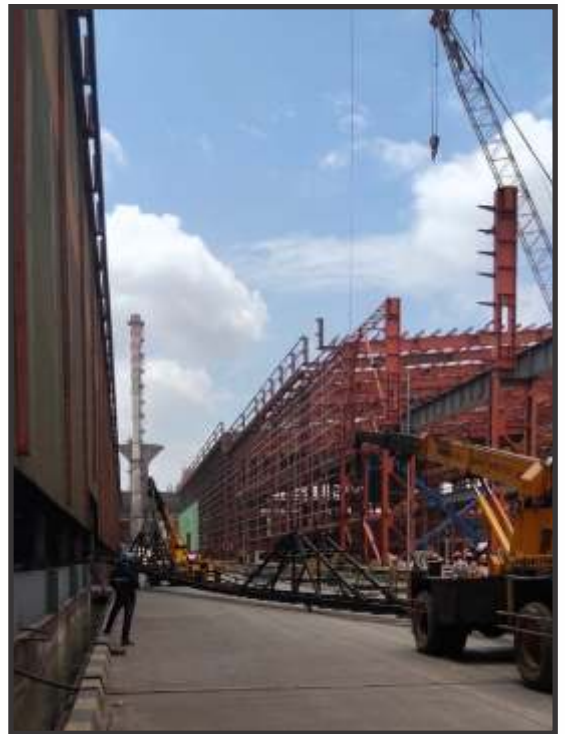


**NAME : DIVYA SHAKTHI GRANITES, SFT : 1,00,000, PLACE : NARSAPUR**

**Name :**  
**Telangana Market**  
**Yard,**  
**Sft : 3,00,000,**  
**Place : Telangana**



**NAME : ITEC PRINTING PRESS, SFT : 1,00,000, PLACE : DOULTHABAD**





**NAME : SHIPYARD, SFT. 3,00,000, PLACE : GOA**



**NAME : DRS DILIP ROAD LINES, SFT. 1,80,000, PLACE : MEDCHEL**



**NAME : FLIPKART WAREHOUSE SFT : 2,00,000 PLACE : MOINABAD**



**NAME:- TCL SFT :- 3,50,000 PLACE :- TIRUPATI A.P**



**NAME:- SIMPLY FRESH SFT :- 2,50,000 PLACE :- SIDDIPET, T.S.**



**NAME:- UMANG PORTA CABIN (BPCL) CABINS :- 60 PLACE :- INDIA**





**NAME:- CLARIANT CHEMICALS SFT :- 80,000 PLACE :- BONTHAPALLE, T.S.**



**NAME:- JRC AIRPORT SFT :- 1,20,000 PLACE :- KURNOOL, A.P.**



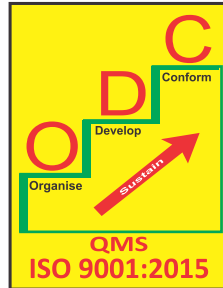
**NAME : COMMUNITY HEALTH CENTER, SFT :60,000, PLACE : HUZURNAGAR**



**NAME : HOSPITAL BUILDING SFT : 68,803, PLACE : KOHIR**

# ODC Standards Certifications

## Certificate of Compliance



## SWATHI BUILD - TECH PVT. LTD.

COR.OFFICE.: 1-60/5/1, Shivaram Residency, Beside Unicent School, Balaji nagar, Hyderabad  
Factory.: Sy. No.-184, Pati Village, Patancheru Mandal, Sangareddy Dt. Telangana

Has successfully Complied to the Quality Management System Standard:

## ISO 9001:2015

Approved Scope to which this Certificate refers:

“MANUFACTURING AND SALE OF PEB PRODUCTS”

Viz: Colour coated Roofing sheets, GI/GL,Z Purling, C Purling, Clippon Roofing and Fall Sealing.

(Further clarifications regarding the certificate and applicability of ISO 9001:2015 {QMS} requirement may be obtained by consulting the organization. this Certificate of Compliance is granted Subject to the Scheme Regulations approved by the ODC Standards Certifications [India] Pvt Ltd. The validity of this certificate is Certifications[India] Pvt Ltd. and shall be returned immediately upon request. ODC Certificate will be re-issued every year after successful audits ever. this not a legal document).

Certificate Number	:	152008067
Date of initial Registration	:	14/05/2012
Registration Validity	:	06/05/2019
Recertification Date	:	06/05/2021



Controller of Certification  
**ODC Standards Certifications**  
www.odccert.org

## SOME OF OUR CLIENTS

### NAME OF THE CLIENT

### LOCATION

★ AP POLICE HOUSING CORPORATION LIMITED	NALGONDA
★ AP WARE HOUSING CORPORATION	MIRYALAGUDA
★ SOUTH CENTRAL RAILWAY	SECUNDERABAD
★ MEGHA ENGINEERING & INFRASTRUCTURES LIMITED (MEIL)	HYDERABAD
★ HBL POWER SYSTEMS	HYDERABAD
★ BHARAT PETROLEUM CORPORATION LIMITED	SOUTH INDIA
★ BHARAT HEAVY ELECTRICAL LIMITED	R.C. PURAM, HYD.
★ L&T LIMITED	SOUTH REGION
★ CENTRAL WAREHOUSING CORPORATION	BODHAN
★ FOOD CORPORATION OF INDIA	SOUTH INDIA
★ GREATER HYDERABAD MUNICIPAL CORPORATION	HYDERABAD
★ HARSHA TOYOTA	HYDERABAD
★ HPCL	SOUTH INDIA
★ NCL INDUSTRIES LIMITED	KONDAPALLI,
★ PRINCE PIPES	HYDERABAD
★ SHIPYARD	GOA
★ ITC LTD.	KOLKATA
★ COCA COLA	WEST BENGAL
★ IP MEHTALIA	MUMBAI
★ JSW PROJECTS	BELLARY
★ MAHINDRA AND MAHINDRA	ZAHEERABA(TS)
★ TCL TECHNOLOGY	TIRUPATHI
★ WONDERLA HOLIDAYS LIMITED	ADIBATLA, HYD
★ HYATT GROUP	HYDERABAD
★ HETERO DRUGS LTD.	HYDERABD
★ ITW INDIA PVT. LTD.	PASHAMYLARAM
★ TELANGANA MARKET YARD	T.S
★ JMC PROJECTS PVT LTD.	MUMBAI
★ JRC AIRPORT	KURNOOL
★ LNV TECHNOLOGY PVT LTD.	CHENNAI
★ CSCEC	TIRUPATHI



## **SWATHI BUILD - TECH PVT. LTD.**

**Regd. Office:** 1-6/5/1, Sivaram Residency, Beside Unisent School, Balaji Nagar,  
Miyapur, Hyderabad - 500 049. TS, India.

**Works :** S.No. 184 Part, Pati (V), Patancheru (M), Sanga Reddy Dist. - 502 300. TS. India

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