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OFFER - DESIGN, ENGINEERING AND SUPPLY OF PRE-ENGINEERED BUILDING

M/S CHROMA ROOFTECH

Office: Shivpuram, Gali No-3 Pashim Panyala Road, Roorkee 247667.

Manufacturing unit: Khasra No.194, Near Nanheda Anantpur, Madhopur Puhana, Roorkee 247667 (U.K)

Contact: 9927024052, 9719864277, mail: chromarooftch@gmail.com, web: www.chromarooftch.com

To,
Forace Polymers Pvt. Ltd.,
Project name : Pre Fabricated structure.
Plant : Manufacturing.
Address : Haridwar .
Site Location : Haridwar.

Dear Sir,

We would like to thank you for considering us & sharing your upcoming project details for construction of Pre-Engineered Building.

Please find herewith our techno commercial offer for Design, Supply & Installation of PEB. We would like to ensure you that we are captive PEB solution provider, backed with Good facilities & capacities of manufacturing & Installation of steel building as of your requirement.

As per details furnished by you, we are submitting our best proposal for your kind consideration.

Our scope of work includes Design, Supply & Erection of Building materials, as per mentioned standards..

We Trust our proposal in line with your requirements, for any further clarifications / information, please call us.

Thanking you & assuring you our best attention at all times, we remain.

Regards
Gaurav Verma



1. SCOPE OF SUPPLY

A. BASIC BUILDING DESCRIPTION:

Quantity	1
Building usage	Commercial plant.
Frame type	MS-2
Building length	52 Mtr O/O.
Building width	25 Mtr O/O.
Building height	13.00 mtr.
Building area	1300 SQM
Building expand-ability	N.A.
Roof slope	Slope 1:10 With double slope.
Main frame steel	345 mpa
Roof sheeting	0.50 MM Bare Galvalume, Chroma high rib roof sheeting 350 MPA min to 550 MPA Max,
Wall sheet, Flashing and Gutters	0.50 MM PPGL sheet Colour Coated, Chroma profile 350-550 MPA Max,
Wall sheeting start	Considered above 3.0 M height brick work.
Girt	Bi-frame (Side wall & End wall Girt will fix on the outer side of column)
Skylite	3-4% of Total Roof Area.
Turbo ventilators	Turbo Vents 12 Nos on Roof.
Roof insulation	NA.
Bracing	Angle/Tube/Rod bracing as per drawing
Framed opening	N.A. Any Canopy will measure extra on Roof Area.
Side wall and End wall spacing's	As per drawing
Fasteners	Corrosion protection self-drilling screw with integral EPDM seals.
Accessories	Eave gutter, masonry trim, rake trim, as required & metal down spout pipes.

B. DESIGN LOADS:

Roof live load on purlins & frames	0.57 KN/m ² (working men)
Wind load	47 M/S
Additional collateral load	None (KN/m ²)
Dead load	Self-weight of structure. (0.12 KN/M ²)
Seismic Zone	IV
Design std	AISC-MBMA
Building condition	Enclosed

C. CODES FOLLOWED:



- Load as per The Low Rise Building Manual-2006 of Metal building manufacturers association (MBMA).
- Built up & hot rolled members are designed as per American institution for steel construction's (AISC) manual of steel construction 2005.
- Welding is done as per American welding society (AWS), Structural Welding Code (SWC)-2010.

D. ALL CONNECTIONS:

- All field connections shall be bolted (Unless otherwise noted).
- Primary bolted connections shall be furnished with high strength bolts conforming to the physical specifications of ASTM A325 (or equivalent).
- Secondary bolted connections shall be furnished with machine bolts conform to the physical specifications of ASTM A307 (or equivalent).

2. MATERIAL SPECIFICATIONS

A. PRIMARY & SECONDARY MEMBERS:-

PRIMARY MEMBERS -- includes Main Frame Column, rafter, End wall Column will be built up I section with plates having min. 345 MPa yield strength, in accordance with AWS code of practice.

SECONDRY MEMBERS – include Side wall girt, roof purlin; Eave struts, Flange Braces, Clip and other miscellaneous structural member will be of min. 345 MPa yield strength as per AISI code of practice. Hot rolled standard sections & rods if any will be in mild steel as per IS 2062.

B. PAINT ON STRUCTURAL MEMBERS:

- All structural members shall be cleaned & applied one shop coat of red oxide primer and one coat enamel paint.
- One additional finish paint shall be applied at site if applicable.

C. PHYSICAL SPECIFICATIONS OF STRUCTURAL MEMBERS:

All other miscellaneous Primary & secondary members except Hot rolled, shall have a minimum yield strength of (240Mpa).

D. ROOF SHEETING:

Roof sheeting shall be of 0.50 MM thick profiled bare galvalume of 345min to 550mpa max strength.

E. FASTENERS:

Structural fastener will be chrome plated High tensile steel with hex head, Self tapping sheet metal screws with metal and neoprene washers. All screws shall have hexagonal heads. These all screws are specially designed in small medium & large length as required.

F. SEALER:

Silicon sealant will be used to seal the entire sheets leak etc.

G. EAVE GUTTERS & FLASHINGS:-

Eave gutters, Flashing shall be provided the rake, corners, down take pipe eaves and wherever necessary to provide weather tightness and finished appearance. Material shall be 0.5mm thick & having minimum yield strength of 345 Mpa.

3. SUPPLY PRICES



A. PRICE FOR THE BUILDING (IN INR).

DESCRIPTION	BUILDING Qty KG	Unit Price	TOTALAMOUNT INR
PREFABRICATED BUILDING MATERIALS Raw Material for manufacture of Pre Fabricated Steel Structure.	49496	95.55	143
PEB STEEL STRUCTURE MATERIAL AND ACCESSORIES Sheeting and all Wall acc of building for covering.	9500	149.50	224
Charges for fabrication of steel structure. Conversion of steel raw material to PEB fabricated structure as per fabrication drawing including scrap generation and primer and two coat paint on structure.	49496	27.95	42
HARDWARE NUT BOLT WASHER COLD FORM ACCESSORIES	1300	182	273
Erection work of PEB steel building at site. Structure erection with paint, Crane and any lifting item at site will be in Chroma Scope.	60296	11.05	17
Wall sheeting and Roofing on fabricated structure. (SQFT)	22155	8.45	13
Supply and fixing of 12 Nos Turbo Vents at site.	12	5850	8775
Supply of Day Light panel and Sky light for Roof. 50 sqm	50	1365	2048
		TOTAL	13142305

Rupees in Words – One Cror Thirty One Lks Forty Two Thousand Three Hundred Five Rupees only.



4. SALES CONDITIONS

A. TAXES:

GST 18% Extra as applicable at time of delivery.

B. FREIGHT:

Inclusive. Material unloading at site will be in Chroma Scope.

C. PAYMENT:

10% ADVANCE ALONG WITH PURCHASE ORDER.
30% AT DRAWING APPROVAL.
50% BEFORE DESPATCH OF THE STRUCTURAL STEEL.
5% BEFORE DESPATCH OF THE ROOFING AND PURLIN.
5% AFTER COMPLETION OF WORK.

5. DELIVERY TIME

We will **dispatch** the Structural material in 3 to 5 weeks from the date of receipt of Approved Advance payment & approved drawings.

Erection of supplied material will be installed in 3 to 4 weeks from complete supply at site.

6. GENERAL TERMS OF SALE

A. CANCELLATION:

Agreement/orders CAN NOT be canceled or modified by BUYER under any circumstances without written agreement/consent of Sellers business head covering all damages. If cancellation or modification is agreed to by SELLER, BUYER agrees to promptly pay all reasonable engineering and other expenses incurred by SELLER in connection with this Agreement and in any case not less than 20% of the Agreement price in case of canceled.

B. CUSTOMER SCOPE:

- Customer will provide electricity during installation.
- All or any kind of civil work will be in customer scope.

C. EXCLUSIONS:

- Preparation of the site where the building has to be erected.
- Civil works (RCC/Brick work etc), doors, windows, roll up doors, lighting etc.
- Lighting protection
- Fire extinguishing system
- Entry Tax or Other Local Levies /taxes if any

D. WARRANTY:

CHROMA ROOFTECH products are warranted against failure due to defective material or workmanship for a period of one year after erection.

Looking forward to your valuable reply and good business relation ahead.

Thank and Regards
Gaurav Verma
Chroma Roof Tech & Steel Building Solutions.
Roorkee; Haridwar