



Date: 12.05.2023

TO
M/s. Teja Innovatives Pvt Ltd,
Tirupathi, AP

Kind Attention: Mr. Devarajulu Palnati

Dear Sir,

Sub: Proposal for Design, Fabrication, Supply of Steel Structure for your proposed project at EMC-2 Tirupathi, AP on your enquiry and Technical Information provided to us.

Ref: Quotation No. AP-E-054/2023. Rev no.00

We are extremely thankful to you for giving us the opportunity to submit our proposal for your project referred above. It gives us immense pleasure to submit our proposal for your review and acceptance for the supply and Installation of Steel structure, as described herein, and in accordance with the attached specifications.

We hope that you will find our proposal satisfactory and wish to thank you for your interest shown in our company.

Assuring you of our best attention and looking forward to coordinate with you, we remain.

Thanking you,

Yours Faithfully,

For PENNAR INDUSTRIES LTD.,

G Rajesh,
Assitant Manager – Sales,
Phone No:- 8317588488

Technical Specifications:

Type of the Building	RIGID FRAME WITH 1 INTERIOR COLUMN
Width out to out (m)	38.334
Length out to out (m)	41.988
Clear Height (m)	9.144 Ridge Height from FFL.
Roof Slope	1 : 10
Distance to Ridge (m)	19.167
Main Frame Column Spacing (m)	19.167, 19.167
Bay Spacing (m)	6 @ 6.988
End Wall Type	ONE END POST & BEAM, OTHER END RIGID FRAME
End Wall Column Spacing (m)	6 @ 6.389
Wall Bracing	CROSS ROD BRACING

Wall Condition

Near Side Wall	GL:1-2, FULL HEIGHT BRICK WALL & REMAINING LENGTH OF THE BUILDING BRICK WORK UP TO 3 m HT ABOVE SHEETED
Far Side Wall	GL:1-2, FULL HEIGHT BRICK WALL & REMAINING LENGTH OF THE BUILDING BRICK WORK UP TO 3 m HT ABOVE SHEETED
Left End Wall	FULLY OPEN UP TO 3 m HT FOR BLOCK WORK
Right Wall	FULLY OPEN UP TO 3 m HT FOR BLOCK WORK
Eave Condition	EAVE GUTTER AT BOTH SIDE
Decking Sheet	GI 0.8 Mill Finish
Canopy (W/O Soffit)	Side wall 1 SINGLE SLOPE WITH 4.5 m WIDTH, 34.99 m LENGTH
Canopy (W/O Soffit)	Side wall 2 SINGLE SLOPE WITH 4.5 m WIDTH, 34.99 m LENGTH

Loading: Pitch Roof

Dead Load	0.10 KN/m ²
Collateral Load	0 KN/m ²
Live Load	0.57 KN/m ²
Wind Speed	140.4 KPH

Loading: Mezzanine.

Dead Load	4.125 KN/m ²
Collateral Load	0 KN/m ²
Live Load	3 KN/m ²

Design Codes:

Design	AISC 2010
Wind Load Application	MBMA
SEISMIC	IS1893 Part-I, RF-4,I-1,ZONE-III

Mezzanine

Mezz.1	FLOOR. WITH 19.167 m WIDTH, 6.998 m LENGTH AND 3.5 m CLEAR HEIGHT
Mezz.2	2 FLOORS WITH 4.5 m WIDTH, 6.998 m LENGTH AND 3.5 m CLEAR HEIGHT

Area Roof	1673 m ²
Area Mezzanine	197 m ²

Accessories / Framed Opening:

Roll up door Manual 4 X 4.5 m	6 Nos. Only Framed Openings
Turbo vents 600 dia	12 Nos.
Skylight panels 2 mm poly.corb Roof	16 Nos
PEBSL std. Cage Ladder	1 Nos.

Notes:

- 1- Considered Handrails on Flat roof of mezzanine.
- 2- Considered full height brick wall along GL: A,D,G/1-2 and along GL-2/D-G.
- 3- Considered full height brick wall all around the outside mezzanine.
- 4- Considered Staircase 1no for mezz.no-1 from FFL to 1st floor & 1no for mezz.no-2 from FFL to 2nd floor.

SPECIFICATION OF MATERIALS

Built Up Members: ASTM A572 or Equivalent materials having min. yield stress of 345 N/mm².

HOT ROLLED Members: IS 2062 Grade A.

Web to flange welds of Built Up members are Single side fillet welds by continuous automatic SAW process, unless noted otherwise except for crane beams(Double side weld)

All primary members shall have atleast one welded splice.

Secondary: Light gauge cold formed sections having min. yield stress of 345 N/mm² .

Anchor bolts, Brace or Sag Rods : Material having min. yield stress of 240 N/mm²..

Bolts and Nuts : High tensile conforming to ASTM F3125 / F3125M for primaries and ordinary ASTM A 307 for Secondary.

Sheeting conforming to ASTM A792M (or) AS1397, Coating AZ150. For Trapezoidal Y.S 550 N/MM², D'Lok Panel Y.S 345 N/MM² & Decking Panel Y.S 240 N/MM².

SURFACE PREPARATION AND PAINT SYSTEM

Primary Built up members :

Primer: 1 coat of Grey Oxide DFT 30 microns

Top coat: 2 coat of Enamel Finish Paint DFT 40 microns

The Anchor Bolts shall be Black Steel.

Secondary Cold Formed members shall be 120GSM

ROOF SHEETING JSW

PEBSL , single skin Galvalume 0.5TCT Bare

WALL SHEETING JSW

PEBSL , single skin Galvalume 0.5TCT pre painted (PEBSL STD Color)

MEZZANINE DECKING

Mezzanine Decking shall be 0.8mm Mill finish Galvanized steel panel to receive 150 mm thick. RCC slab (SLAB SHOULD BE DESIGNED FOR GIVEN JOIST SPACING) by others.

EXCLUSIONS

Galvanizing and any fire protective Coating
 Demolishing work, any civil work, Any builders work etc.
 Any steel Inserts/Embedded/shim plates in concrete , Mezzanine slab / reinforcement design.
 Any Stainless Steel or Glazing and their support sub framing.

PRICE:

*** Supply and installation of Steel Structure INCLUDING Freight.**

Description	Price (Rs)
Supply Price	96,75,429
Buyouts	1,79,600
Erection Price	9,92,600
Total basic price	1,08,47,629

Above Price is Exclusive of GST

Taxes and Duties:

If there is any changes and addition of any Levies, Cess and Taxes introduced by Government (State and Central) at the time of shipment, such additional charges are to be borne by the Buyer as per actual.

Entry tax/ Octroi if applicable shall be borne by customer at actual. Road permits/Way bills/Statutory documents required if any needs to be provided by the buyer.

Assumptions made for Erection price:

- 1) Anchor Bolt Supply & Periodic Supervision is in our Scope. Casting of Anchor bolt is in Civil Contractor Scope.
- 2) Level compacted ground shall be provided before start of Erection.
- 3) Minimum 15 days curing time is to be given after Anchor Bolt Casting is done.
- 4) Free Power and water are to be provided close to site.
- 5) Leveling plates and or shims, Construction temporary bracing while installation is in our scope and the installation pricing accordingly is inclusive of this cost.
- 6) We assumed that, crane can move inside the proposed building while erecting the main frames.
- 7) PIL standard safety measures are considered for Erection.
- 8) Boom lift & Safety net not considered
- 9) Erection planned from inside of the building.
- 10) Power, water and worker accommodation need to be provided by customer.
- 11) Local issue if any customer to handle.

F. EXCLUSIONS:

1. Civil, mechanical and electrical design and materials (by Customer)
2. Miscellaneous steel except as specified herein (by Customer)
3. Steel supports/bracing to accept collateral roof loads, except as referenced herein (Customer).
4. Unloading of anchor bolts and its safeguarding is out of our scope.
5. Concrete embedded plates, expansion bolts or weld plate of any kind (PIL's certified builder shall do the work at an additional price and PIL shall not be responsible for the same

G. GENERAL NOTES

1. PIL proposal pertains only to the pre-engineered metal building materials (sometimes referred to as "products") specified herein. Other materials and services are not included unless specifically indicated otherwise. PIL approval drawings shall consist of anchor bolt layouts and reactions, floor plan layout, typical frame cross sections, elevations, member sizes, and related design calculations. If PIL is required to change the design based on other parties' details, design practice, special requirements, change in scope & specifications, PIL may revise the price and delivery schedule accordingly.
2. PIL is responsible for the design of the anchor bolt diameter, location and projection of all anchor bolts for the metal building portion of the project. PIL will furnish an anchor bolt layout drawing(s) including bolt diameter, projection, location, and spacing of all structural anchor bolts and the magnitude and direction of column reactions. It is the responsibility of buyer or it's Consultants, civil contractor to ensure that adequate provisions are made for specifying bolt embedment, bearing angles, tie rods and other associated items embedded in the concrete foundation as well as the foundation design.
3. PIL and its builder are responsible for the necessary equipment and manpower to unload and stack the materials at the job site. Stacking Procedures mentioned in Installation & Maintenance Manual have to be followed by the Installation Contractor nominated by PIL.

H. VALIDITY

1. This proposal will be valid for 2 days only from the date of this proposal
2. PIL assumes shipment of all materials within agreed terms as per Bar Chart from the date of receipt of Approved Drawing and receipt of payment as per agreed terms. (Unless provided otherwise in delivery schedule)

Any variance from these 2 issues shall result in variation in Price and Delivery Schedule.

I. PAYMENT TERMS

Payment by the Buyer shall be made as follows:

The terms of payment shall be mutually agreed to in writing by parties in advance of PIL's acceptance of Buyer's purchase order. Buyer's payment to PIL shall be made as per following.

For Supply:-

OPTION - 1

- 20 % Down Payment of the total purchase order amount inclusive of taxes and duties along with LOI / acceptable purchase order.
- 80 % of the total value inclusive of all the applicable taxes shall be by Confirmed and Irrevocable Letter of Credit acceptable to PIL. Payment under L/C shall be made at sight upon presentation of Copy of Shipping Documents and Commercial Invoice to the Bank. Any L/C from Co-operative Banks is not acceptable. LC should be established before start of fabrication.

OPTION - 2

- 20% advance along with Purchase Order (PO)
- 40% on approval of drawings
- 40% on completion of material inspection and before dispatch from our factory.

For Installation:-

- 30% as mobilization advance before start of installation.
- 60% on completion Primary, Secondary, Roof sheeting and Wall Cladding on Prorated basis / monthly RA bills.
- 10% on successful Handing over of building.

J. DELIVERY SCHEDULE

We can discuss mutually.

K. TERMS AND CONDITIONS

1. VARIATION

Any changes and /or revision of the above stated scope of supply MAY lead to a variation in price and the delivery period.

2. FORCE MAJEURE

SELLER shall not be liable for any loss or damage to BUYER for delay in delivery or cancellations of any purchaser's order by SELLER due to circumstances beyond SELLER'S control, Such as, but not Limited to, War, riots, civil commotion, revolution, government regulations , Orders or acts of any government authority directly or indirectly interfering with or rendering more burdensome the production or delivery of the products ,Floods, Fires, Delays due to transporter's strike and any other circumstances or event beyond SELLER'S control.

3. PERMITS

SELLER shall not be responsible or liable for the obtaining of permits to erect or install any product.

4. INSPECTION OF PRODUCT

BUYER agrees to inspect upon arrival of all articles shipped. Claims for shortage or defective material, If not packaged, must be made in writing to PIL sales office within five days after the receipt of the shipment, and if packaged within 30 days after receipt of shipment PIL shall have a reasonable time to investigate all claims made by BUYER. Any claims for shortages or defects made after the above periods shall be refused and finally dismissed.

5. ERECTION DRAWINGS

PIL the SELLER will furnish the BUYER with all standard erection drawings required for the erection of the buildings. The SELLER will also furnish the BUYER with anchor bolts setting plans and column base reactions.

6. CHANGES IN SPECIFICATION

SELLER reserve the right to modify the design of his standard building and to substitute material equal to that originally specified (In order to permit incorporation of changes and improvements, in the continued development of SELLER'S product).

7. CANCELLATIONS

BUYER CANNOT cancels orders without first reaching an Agreement in writing with SELLER covering the all damages. If cancellations or modifications is agreed to by SELLER, BUYER agrees to pay all engineering and other expenses, Incurred by SELLER and in any case not less than 5% of the agreement price in case of cancellations.

8. PRODUCTION RELEASE

That portion of the order that is not shipped within the 2 months from the date of contract / Purchase order will be subject to price increase.

9. WARRANTY

PIL products are warranted against any failure due to defective material or workmanship for a period of ONE year.

10. SHIPMENT

That portion of the this order which is not shipped within four months from the date of purchase order / Date of contract will be subject to price increase unless a longer delivery period is mutually agreed by SELLER and BUYER. Unloading at Jobsite is the responsibility of the BUYER / BUILDER.

11. EXCLUSIONS

SELLER supply does not include any material or labor in connection with foundations, concrete, setting of anchor bolts, grouting under columns or in recess around bottom of wall sheets, electrical installations, heating, masonry, interior finishing, partitions, glass and glazing, or any item not shown in PIL approval drawing, unless specifically mentioned in this agreement.

12. SCOPE OF AGREEMENT

It is further understood that this agreement is the only agreement express or implied, either verbal or in writing, in connection with this sale.

13. GOVERNING LAWS :

This agreement shall be construed and enforced in accordance with and under the laws of the Government of India. Both parties agree that in any case of any difference or dispute between the SELLER and the BUYER will be resolved by Mutual discussions and agreement. However, unresolved issues, if any, will be settled by arbitration as per the Indian arbitration and Conciliation act, and the venue of the arbitration will be in Hyderabad.