

JYOTHI STRUCTURALS

ROOFING, CLADDING & PRE ENGINEERED BUILDINGS

WORKS: PLOT NO. 344, PRGA COLONY, SUBHASH NAGAR, JEEDMETLA, HYDERABAD-500 055

REF.NO:- JS/PM/1001/22

QUOTE

DATE:- 04/04/2022

TO,

SHRI. Sai Prasad Bhunyar

CEO

Mangaldas Agro Producer Co. Ltd.

SOLAPUR - M. S.

SUB:- QUOTATION FOR DESIGN,FABRICATION,SUPPLYING AND ERRECTION OF YOUR PROPOSED DAL MILL FACTORY'S AND GODWON WITH CIVIL WORK.

R/S,

HAVING UNDERSTOOD YOUR REQUIREMENT WE NOW TAKEN PLEASURE IN SUBMITTING OUR OFFER

Annexure – 1 Technical Specifications

Building Description- bldg-3 quantity

Building is designed in AISC/MBMA

Type	:	RIGID FRAME
Width	:	60FT 60FT 70FT O/O.
Length	:	100FT 100FT 150FT O/O.
Clear height	:	40FT
Roof slope	:	1:10
Bay Spacing Length Bay Spacing width in End wall	:	1 ST AND 2 ND SHED 20FT@5 NOS. 1@30FT END COLOUMN. 3 RD SHED 21FT@7 & <u>33.5FT@1</u> END COLOUMN.
Front End Frame	:	ALL SIDE 15FT BRICK WALL BALANCE SHEETING.
Back End Frame	:	ALL SIDE 15FT BRICK WALL BALANCE SHEETING.
Type of bracing on roof & wall	:	Rod Bracing-cross bracing
Roof panel	:	0.50 mm thick Hi-Rib COLOR COATED SHEET AM/NP CO.(ESSAR COMPANY)
Wall panel	:	ABOVE 15FT BALANCE SHEETING 25FT.
Girts	:	Side wall girts and end wall girts are mounted on the exterior face of the main column.
Fasteners	:	Mechanically galvanized Hex-washer head self-drilling fasteners with integral EPDM seals. (Any approved Indian make)
Accessories	:	Flashing, trims, 0.50 mm better (Any approved Indian make)
Day Lighting panel	:	EXTRA AT ACTUALS
Roof Monitor- TURBO VENTILATORS	:	EXTRA AT ACTUALS
Special conditions	:	EACH SHED 2 SHUTTERS CONSIDERED.
Paint	:	2 coats red oxide primer 25 mrc each (50 mrc)
Building CIVIL WORK	:	THREE SHED WITH CIVIL WORK CONSIDRED.

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NOTES:

- 1- Rod bracing is considered.

Design Loads (Live / Wind)

The building is designed for the following Live Load and Wind Speed.

Live Load	:	0.57 KN/m ²
Dead load	:	0.1 KN/m ²
Collateral load	:	0.00 KN/m ²
Wind Speed	:	144 kmph
Seismic Zone (Zone (Z))	:	IS1893 Part-I, RF-4,I-1,zone-III

APPLICABLE CODES:

1. The building is designed in accordance with the following codes:
 - AISC - Manual of steel construction -Allowable Stress Design.
 - AISI - Cold formed Steel Design manual.
 - MBMA- Low Rise Building Systems Manual.
 - IS-875-PART -3 for wind loads
 - IS-1893- for seismic loads
2. The building will be manufactured accordance with the following codes:
 - MBMA –Sec.9 (Fabrication Tolerances).
 - AWS D1.1:2008- Structural Welding Code..

Note: - Pinned base Support design is considered.

Single side welding has been considered

Building is designed on Staad as per AISC by Working Stress Design Method.

Applicable Codes :

Loads are applied in accordance with:

The 1992 Edition of Low Rise Building System Manual

MBMA - 1992

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Hot rolled and Built up sections are designed in accordance with:

Manual of Steel Construction, 9th Edition
American Institute of Steel Construction (AISC)

Cold-formed members are designed in accordance with:

1996 Edition of Cold formed Steel Design Manual
American Iron and Steel Institute (AISI)

Welding is applied in accordance with:

American Welding Society (AWS D1.1.98)
Structural Welding Code – Steel

Standard Supplied Items

The following are included to supply:

- Rigid frame structural for columns, rafters with end plates, purlins, girts.
- All necessary flashings, trims, eave gutters & downspout
- Roofing & cladding sheets
- Structural hardware & sheeting fasteners
- End lap sealant
- Rod Bracing
- Anchor bolts and templates
- All structural shall be supplied with one coat of factory applied primer
- Final Painting At Site touchup if any.
- Non expandable rigid frame
- Doors & openings NOT APPLICABLE
- Single walk doors NOT APPLICABLE

Exclusions

- Wall vents, fans, windows and louvers
- Civil, mechanical and electrical design and materials
- Concrete embed plates or weld plate of any kind
- Foundation and masonry design / work / materials
- Setting of Anchor Bolt – (Physical setting or fixing). will only check dimensional accuracy of anchor bolt set out.
- Grouting - Grouting under column base plates with high strength grout.
- Electricity & Water required during work at site

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Material offered and Technical specifications: -

S.No.	Materials	Specifications	Yield strength
1.	Built-up Members	ASTM A572M Gr50 (Any approved Indian make)	Fy = 345 MPa
2	Hot Rolled Secondary Members	IS: 2062 Gr. A (Any approved Indian make)	Fy = 250 MPa
3.	Cold Formed Secondary Members	ASTM A 570 M Gr50 (Any approved Indian make)	Fy =345 MPa
4.	Sheeting Panels	ASTM A 792 M (Any approved Indian make)	Fy = 345 MPa
5.	X-Bracing Members, Rods	IS : 2062 Gr A (Any approved Indian make)	Fy = 250 MPa
6.	Anchor Bolts	IS : 2062 Gr A (Any approved Indian make)	Fy = 250 MPa
7.	High Strength Bolts for Primary Connections.	ASTM A 325 M - ANSI 18.2.3.7 / 18.2.3.6 M (Any approved Indian make)	-
8.	Machine Bolts for Secondary Connections.	IS : 1364 Class 4.6 (Part 1 to 3) (Any approved Indian make)	-
9	Self Drilling Self Tapping Screws	AS 3566.1 - 2002 Corrosion Resistance Class -3 (Any approved Indian make)	-

CIVIL WORK FOR 3 SHEDS

1ST SHED 60FT*100FT HEIGHT 40FT WITH 15FT BRICK WALL BALANCE SHEETING WITH 2 SHUTTERS MANUALLY OPERATED .

2ND SHED 60FT*100FT HEIGHT 40FT WITH 15FT BRICK WALL BALANCE SHEETING WITH 2 SHUTTERS MANUALLY OPERATED .

3RD SHED 70FT*150FT HEIGHT 40FT WITH 15FT BRICK WALL BALANCE SHEETING WITH 2 SHUTTERS MANUALLY OPERATED .

**FOR CIVIL WORK WE ASSUMED AS
HARD STRATA ASSUMED @ 4FT BELOW GROUND LEVEL.**

PLINTH LEVEL 1MTR ABOVE GROUND LEVEL.

BRICK WORK 15FT HEIGHT.

WINDOWS ALUMINIUM 2 TRACK OR 10MM BAR GRILL.

ROLLING SHUTTERS 12*12 FT 2 NOS EACH SHED.

FLOORING TREMIX FLOORING.

NOTE :- NO SIDE WALL CONSIDERED.

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CIVIL WORK COST:-

FOR 60*100 SHED =6000SFT*RS.450/- = RS. 27,00,000/- FOR SHEDS = RS.54,00,000/-

FOR SHED 70*150= 10500FT* RS.400/- = RS. 42,00,000/-

TOTAL CIVIL WORK COST = RS.96,00,000/- (NINTY SIX LACKHS ONLY)

PEB SHED COSTS:-

60*100FT 40FT HEIGHT TOTAL TONNAGE 29 TONS * RS.140/- KG = RS.40,60,000/-*2= RS.81,20,000/-

70*150 FT SHED HEIGHT 40FT TOTAL TONNAGE 47 TONS* RS.140/- KG.= RS.65,80,000/-

TOTAL PEB SHED COST= RS.1,47,00,000/- (ONE CRORE FORTY SEVEN LACKHS ONLY).

PAYMENT TERMS :-

20% ADVANCE ALONG WITH PURCHASE ORDER .(DRAWINGS WILL GIVE WITH 10/12DAYS)

50% ADVANCE AGAINST THE APPROVAL DRAWINGS .

20% ADVANCE AFTER DELIVERY OF RAFTERS,COLUMNS-RED STEEL AT YOUR site. EXCEPT COLOR SHEETING.

10% AFTER COMPLETION OF PROJECT.

GST AND TRANSPORTATION UNLOADING CUSTOMER SCOPE.

YOU HAVE PROVIDE ELECTRICITY, LABOUR ACCOMADATIONS AND WATER AT SITE ONLY.

VALIDITY 7 DAYS ONLY. IF THE RATES CHANGES IT WILL REVISED SIR.

WE TRUST SIR, THE ABOVE IS IN LINE WITH YOUR REQUIREMENT AND WE NOW AWAIT THE PLEASURE OF RECEIVING YOUR VALUED ORDER.

THANKING YOU.

Yours truly,

POTAN MANOHAR
MANAGING DIRECTOR
9849688073

EMAIL:-.jyothistructurals@gmail.com

**** WORKS WILL BE COMPLETE AFTER FIXING OF ANCHOR BOLTS WITHIN 20 WEEKS OF GOOD WORKING CONDITIONS.(AFTER FIXING ANCHOR BOLTS)

DRAWINGS WIIL BE GIVEN WITHIN 15DAYS FROM THE DATE OF RECEIPT OF PO AND CLEARANCE OF PAYMENT INTO OUR BANK ACCOUNT.

RTGS IN FAVOUR OF

M/S.JYOTHI STRUCTURALS,

HDFC BANK

PAYABLE AT HABSIGUDA BRANCH , HYDERABAD.

ACCOUNT NO. 50200006178430

IFC CODE:- HDFC0003796

NOTE STEEL PRICES BASIC RATE CONSIDERED RS.100/- WHATEVER PRICES INCREASE WE HAVE TO PAY THE EXTRA AMOUNT AS PER THE INCREASE RATE.