



**BALMER LAWRIE & CO LIMITED**  
(A Government of India Enterprise)  
Engineering & Projects  
21, Netaji Subhas Road  
Kolkata 700 001

## **Design, Supply, Fabrication & Erection of Pre-Engineered & Pre-Fabricated Structure for Central Warehouse**

**At**

**AMTZ, ANDHRA PRADESH**

**TENDER NO. EP / AMTZ / PEB/ 01R**

**PART II (PRICE PART)**

## NOTES:

- 1.0 Details of the items under this Schedule shall be read in conjunction with the corresponding Specifications, Drawings and other Tender Documents.
- 2.0 The work shall be carried out as per approved drawings, Specifications and the description of the items in this Schedule and/or Engineer's instructions. Drawings enclosed with these documents are only for providing some preliminary of the work involved.
- 3.0 Items of work provided in this Schedule but not covered in the Specifications shall be executed strictly as per instructions of the Engineer-In-Charge.
- 4.0 Unless specifically mentioned otherwise in the Contract, the Tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, Constructional Plant, Temporary Work, labour, materials, levies, taxes, transport, layout, re-pairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, services, temporary roads, revenue expenses, contingencies, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the contract.
- 5.0 The Quantities of the various items mentioned in the Schedule of Items are approximate and may vary or may be deleted altogether. The Contractor, in his own interest, should get an indication of the probable extent of the work to be executed under any particular item in this Schedule before undertaking any preliminary and enabling work or purchasing bought out components related to the work.
- 6.0 Rates shall be quoted both in figures and in words in clear legible writing. No over writing is allowed. All scoring and cancellations should be countersigned by the Tenderer. In case of illegibility, the rates written in word will be considered final. All entries shall be in English language.
- 7.0 Engineer's decision shall be final and binding on the Contractor regarding clarification of items in this Schedule with respect to the other sections of the Contract.
- 8.0 For extra items, rates shall be derived from similar item rates included in the schedule of work. Where there is no such similar item available in the schedule, rate shall be analyzed as follows:  
  
Rate for extra item = Cost of material (a) + cost of labour inclusive of all necessary tools, tackles, equipment, machinery and consumable (b) required to carry out the work + 15% of (a+b) towards profit and overhead + taxes, duties etc. as applicable.

Item no.	Description of Items	Unit	Qty	Rate (in Rs) for supply & erection	Amount (in Rs) for supply & erection
1.0	<b>Structural framing system &amp; building components</b>				
	Computerised analysis, design, detailed engineering, fabrication at workshop, supply to site, transportation, loading/ unloading, erection/ bolting/ welding/ shot blasting/ painting of pre-engineered structural steel warehouse, canopy etc. comprising rigid portal frames, roof trusses, gable columns & frames, eaves girder, tie member, sag rods, purlins, side runners, rafter & column bracing, cladding frames, canopy, sky-light, safety net, gutter, rainwater down-comer, base plates, painting etc as per Tender drawing using built-up sections / Hot Rolled sections/Cold formed built-up sections etc. as per technical specification and Technical Data Sheet.				
a)	Warehouse of approximate size <ul style="list-style-type: none"> <li>• 57M x 121.2M of eaves height 9.0 M with roof slope of 1:10</li> <li>• Front canopy structure size 7.05M x 57M with 5.0 M clear height</li> <li>• Canopy for rolling shutter doors 3.5M wide x 1.5M cantilever – 8 nos</li> </ul>	LS	1		
2.0	Supply and fixing of <b>trapezoidal profiled colour coated Aluminum / Zinc alloy steel for roofing &amp; wall cladding with 0.5mm TCT</b> (total coated thickness) of approved colour, profile and make as per technical specification and tender drawing for warehouse, canopies and decking sheet for lean-to-shed complete in all respects with all ridge, trims, flashing, lapping, gutter, down take pipes etc. made out of same material and thickness of pre-coated plain sheets. (refer drawing)	LS	1		

3.0	Supply and installation of <b>Fixed Metal Louvers</b> having approx. dimension of 3M x 1M each with peripheral GI C-channel and intermediate frames, profiled fins etc. as per approved design, to be supported on sub-grit made out from cold formed steel section. Fins shall of similar material, thickness and colour coating as used for cladding. Sample to get approved prior to fabrication.	SqM	100		
4.0	Supply and installation of 600mm diameter <b>Roof Extractor (Turbo Vent)</b> as per specification with FRP bottom sheet of matched profile including cutting of roof sheet, fixing with purlin etc. complete in all respect. Sample to get approved prior to fabrication.	Nos	72		
5.0	Providing and installing <b>Rolling Shutters</b> of 18 gauge CRC slats, concave corrugated complete with one piece construction, 3 inch rolling centres interlocked with heavy CI clips, pressed steel channel guides made out of 10G sheets with 75mm guide width supported heavy section angle iron, 10G thick bottom rail, brackets with sockets, special iron cage type door suspension shafts fitted with necessary Ball bearings for easy and smooth operation, top rolling springs specially hardened and tempered for rolling shutters, locking arrangement from inside and outside, including 16G thick CRC hood cover, all surfaces painted with two(2) coats of epoxy primer and two (2) coat of synthetic enamel paint inclusive of all fittings/fixtures with all material and labour, plant and machinery etc. along with supporting steel framework. Rate shall be derived considering upto 20% area with grilled shutter for ventilation if required.				

a)	Hand operated	SqM	65		
b)	Chain type mechanical gear operated	SqM	72		
6.0	Supply & fixing of <b>Polycarbonate Skylight</b> with underneath safety net as per drawing & technical specification	SqM	360		
7.0	Supply, fabrication, erection, alignment and fixing in position, true to line and level <b>Misc. Structural Steel Work</b> made out of rolled steel angles, channels, beams, plates etc., including splicing, cutting, bending, drilling, welding, riveting, bolting etc. with all tools and tackles, plant and machinery including preparation of detailed shop drawings as per design drawings provided by the owner and specifications with necessary surface preparation and two (2) coats of synthetic enamel paint over two(2) coats of red oxide zinc phosphate primer complete.	MT	4		
	<b>Total (Basic Price)</b>				
	<b>GST</b>	%			
	<b>Total (including GST)</b>				
	<b>TOTAL QUOTED PRICE (Supply + Erection)</b>				

**NOTE: Packing & forwarding, transportation, unloading at site, transit insurance etc to be included in the basic price of items.**

**Schedule of Billing (Item wise):**

**For Item nos. 1.0 & 2.0 only (where item rates as lumpsum)**

70% of the quoted item price towards supply of fabricated materials at site on pro-rata basis.

20% of the quoted item price against erection of structures

10% of quoted price against final painting and completion

**For balance items**

100% of the quoted item price against completion of work.