





Annexure-4 Bill of Quantities (BOQ)

Specification and BOQ - Construction work for MS Roof Trusses					
Sl. No.	Descriptions of Item	Unit	Qty.	Rate	Amount
A	Structural Steel Roof Truss works: -				
1	Providing, Fabricating, Erecting & Fixing MS Structural members in position (Hot rolled steel Column members) at all levels & height as specified in the drawings Conforming to IS 226/2062/800 and Materials IS 808:1989 made out of standard MS Sections. Rate include fabricating necessary gusset plates, MS plates, bolts, cleats, seating, welding of members using structural steel welding electrodes as per IS 814/816/817, testing as per IS 7307 Part-1, Labour, Materials Loading & Unloading, freight charges, necessary equipment's, tools & tackles, staging, scaffolding, One coat of anti-corrosive metal primer (Non-Flammable) and two coat of approved enamel paint to the exposed surfaces required etc., complete. work to be carried out as per approved structural design, drawing & direction of Engineer-in-charge. Make: SAIL/ TATA/ JINDAL/ Equivalent.	MT	1.089		
2	Providing, Fabricating & Fixing MS Structural work in roof trusses with tubular sections/ hollow sections (Round shape sections) conforming to IS: 806-1968 & IS 1161:1998 connected to one another with bracket/Web, gusset plate, angle etc. as per specified in design, drawing & direction of Engineer-in-charge complete including cutting to requisite shape & size, fabrication with necessary metal arc welding conforming to IS 816:1969 & IS 9595: 1996 using electrodes of approved make and brand conforming to IS 814: 2004, testing as per IS 7307 Part-1, haulage, hoisting and erection all complete at any height. The rate includes the cost of all MS hollow section/ rolled steel section, all consumables such as electrodes and hire charge of all tools and plants and labour required for the work including all incidental charges (such as electricity, labour insurance) tools & tackles, staging, scaffolding, one coat of anti-corrosive metal primer (Non-Flammable) and two coat of approved enamel paint to the exposed surfaces etc. all complete. work to be carried as per approved structural design, drawing. Make: SAIL/ TATA /JINDAL/ Equivalent.	MT	10.987		

3	Providing & fixing 80mm thick PUF (Polyurethane Foam) insulated roof sheet for steel truss of required shape, size & approved make Jindal Mettec/ Equivalent (40 Kg/m ³ density) as per specified in design, drawing & direction of Engineer-in-charge. Rate all fixtures and fixing accessories such as self-drilling, self-tapping, fasteners, acrylic sealants, profiled foam fillers, all necessary material (including bolts, nuts, washers), MS angle for extension support, Labour charges, Loading & Unloading, freight charges, necessary equipment's, tools & tackles, staging, scaffolding including all incidental charges (such as electricity, labour insurance) required etc., complete.	Sqm.	486.00		
4	Providing & fixing 250mm wide Eaves gutter made of 2.0mm. thick anodised aluminium sheets (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) having 300mm end lapping and fixed with necessary 50mm x 6mm M.S flat bar clamps bent to required design & shape, bolts, nuts and washers, inclined, vertical and horizontal roof ridges etc with one coat of primer and two coat of approved enamel paint, including making necessary connections with rain water down pipes complete and making of the provisions for the temporary platform using scaffolding and all complete in all aspects. Make: Hindalco, Jindal.	Rmt.	51.00		
5	Civil, Plumbing, Electrical and Finishing works	LS	1.00		
Total Estimated cost for Fabrication work of Roof Trusses (Including all Taxes)					

Following are the terms and conditions: -

- 1 The actual quantity will be measured as per site and will be paid accordingly.
- 2 The quantities of work can be increased or decreased without assigning any reason.
- 3 The rates quoted by the contractor shall be inclusive of all taxes and charges, nothing extra will be paid for any kind of other taxes.
- 4 The contractor will be responsible for all safety equipment, including safety belts for work at all heights. Precautions should be taken during the work.
- 5 The Contractor should submit Shop Drawing to Architect for Approval before executing the work