

BILL OF QUANTITIES

<u>S.No.</u>	<u>Description</u>	<u>Unit</u>	<u>Qty.</u>	<u>Rate in `</u>	<u>Amount in `</u>
	MS TRUSS ROOFING ON 2nd FLOOR GUEST HOUSE AT SMVDU				
1	Providing & fixing of Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc. Including fabrication, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers, etc. complete.(Ref: DSR 2013-Item No:10.16.1) a.Hot finished welded type tubes (TATA STRUCTURA / JINDAL MAKE) conforming to IS :1161& YST 310 type. Tubes shall be clean, finished and reasonably free from scale. The standard size and weight of the tubes of the hollow section shall be as per IS:4923. Washers shall be specially shaped where necessary or other means use to give the nuts and heads of the bolt a satisfactory bearing. Weight of the cleats, brackets, packing pieces, bolts, nuts, washers, distance pieces separators, diaphragm, gussets fish plates, etc. shall be added to the weight of the respective items.	Kg	36000		
2	Supply and Installation of complete glazing system to the proposed expansion work, designed to withstand the wind load (As per IS 875 Part3) as per approved detailed drawings including but not limited to, the supports and metal frame as well as aluminium sub-frame around the perimeter with fixed & openable parts, handles with lockset and necessary hardware of approved make, min 6.0 mm thick reflective toughened glass of approved make at all locations including external fixed face, spandrels, windows, ventilators, finished using hardware, copings metal closure, flashing, gasket and sealant etc., with interface details, sealants and brackets complete in all respect to the satisfaction of Engineer In charge.	Sqm	240		
3	Providing, cutting, bending and fixing 4mm thick aluminium composite panel (3.0 mm thick polyethylene core sandwiched between 0.5 mm thick aluminum skin either side, the external finished surface shall be protected with 80 microns self adhesive Peel Off film) cladding of approved make and colour on external façade of building at all heights and locations either curved shape or straight as per approved design, to be fixed over structurally stable (As per IS 875 Part3) extruded aluminum frame supported with angle cleats and embedded plates as required for structural stability, weather sealants, rivets, GI brackets all accessories as required, using suitable chemical and sealants for water tightening (Dow corning or equivalent) fixing / bolting / anchoring on structural steel , brick or RCC work as per site conditions complete in all respects to the satisfaction of engineer incharge.	Sqm.	625		

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4	Supply, Providing & fixing of Glass wool insulation (UP twigamade) of 50mm thick , density 48kg/m ³ with aluminium foil wrap on bottom side, to get proper insulation along with roll form. Glass wool will be fixed by wire mesh of 10 guage of grip 25mm/25mm.	Sqm.	1200		
5	Supply and installation of hitensile Galvalume precoated profiled sheet roofing minimum 0.6 TCT/ 0.45 BMT of TATA BlueScope, Lloyd, Interacrh or as per approved sample / make (minimum tensile strength 550 MPa confirming to AS : 1397). The profile shall have a depth of not less than 28mm at a pitch of not more than 255 mm (with intermediate ribs), including corrosion proof metallic self-drilling self-tapping fasteners or fixing with mechanized process; with all roofing accessories like ridge, corners, flashing, curves/ bend, gutter (minimum 450 x 450 mm using 0.6 mm thick GI sheet) and gutter pipe fabricated out of the approved pre-coated sheets or of uPVC pipes of approved make confirming to IS : 13952 with all necessary joints / sockets / clamps and fittings, complete in all respect to the satisfaction of Engineer Incharge; excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm.	1200		
6	Supply/ Fixing and erection of MS tubular Column and allied structure along with MS base plate with all foundation fixing system like bolts, nuts and stiffers etc. as per design. All bolts, heads and nuts shall be hexagonal unless specified otherwise. The srewed threads shall confir to IS:1363 and the threaded surface shall not be tapered. The column will be rust free and straight with one coat of primer. The column will be tied to each other with truss structure and welded properly to hold the roof structure covered with ACP panelling of 4mm thick in reference to specification of item No:3 above.	KG	15000		
7	Providing & fixing of rain water UPVCPipes 160mm dia of 6kg/cm ² pressure conforming to IS:13952 with all fittings and complete in all respect.	RMT	80		
8	Providing & fixing of Metal false ceiling (585x585) interlocking system supersil or Gyp board(make or equivalent)with the manufactured accuracy and durability of pressed form tiles, fixed with different angles as per the design pattern (SUPERSIL or equivalent Make) of extruded galvanized profiles/ or customized by to desired profiles, to withstand the prevailing dead load. The extruded section / customized shall be to require finish. Rate shall include fixing of main frames to MS Structure with necessary clamps, fastenings, straps, nuts, bolts, rivets, washers and other materials shall be in stainless steel. Rates also to include cost of all necessary M.S. breakup structure.	Sqm	1000		
	TOTAL				