

## Schedule-3

Sr.No	Description of Items (Super-Structure) (All below items covered in Schedule 3,4 & 5)
<b>1</b>	<b>STEEL STRUCTURE</b>
<b>1.1</b>	<b>LIGHT GAUGE STRUCTURAL STEEL</b>
	Providing fabricating and fixing light gauge structural steel in walls, joist, bracings, lintels, columns etc. all framing element with C-Section (Manufactured by CNC) with required thickness by structural design calculations of GI Prime Quality Steel G-350 or G550 with coating of Z-180 g/m2 conforming to ASTM A653 or equivalent hot dipped galvanized including galvanized coated screws for the connection of elements and all other part required for the fixing etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager. For costing of bid 22.5 kg/sqm will be the weight of structure.
<b>1.2</b>	<b>HOT ROLLED STRUCTURAL STEEL (If required any)</b>
	Providing fabricating and fixing of hot rolled structural steel in specific columns, beams, stairs etc. conforming to ASTM A 36 with required size as per structural design calculation (having maximum yield strength of 36000 Psi) coated with redoxide, including approved connecting detail by the Engineer etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
<b>1.3</b>	<b>EXPANSION BOLTS</b>
	Providing and Fixing of anchors of 12mm x 140mm & M10 x 80 in the foundation for the fixing of structural steel elements including drilling and fixing complete in all respects of approved quality (preferably Hilti / Fischer/Simpson/Index ) approved by the Engineer etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
<b>1.4</b>	<b>SCREWS</b>
	Providing and Fixing of 10g/12g-18 x 16mm wafer, dual thread, pin point screw for steel framing connections and 10g/12g-4.8 x 20mm Hex Head Screws of Buildex or equivalent for frame to frame connections etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
<b>1.5</b>	<b>FLOOR &amp; ROOF DECKING</b>
<b>a</b>	<b>FLOOR DECKING</b>
	Providing & Fixing of Floor Decking is composed of open web joint of C- Section as per ASTM-653 with 0.6mm Corrugated G.I. Sheet etc, complete in all respect as per specifications & relevant approved drawings,including C.C tiles works etc., all works to the entire satisfaction of the Engineer/Project Manager.
<b>b</b>	<b>ROOF DECKING</b>
	Providing & Fixing of Roof Decking is composed of open web joint of C- Section as per ASTM-653 with 0.6mm Corrugated G.I. Sheet etc, complete in all respect as per specifications & relevant approved drawings, including C.C tiles works & Roof Treatment etc.,all works to the entire satisfaction of the Engineer/Project Manager.
<b>1.6</b>	<b>STAIRS WITH HAND RAIL</b>
	Providing and Fixing of stairs fabricated with LGS/hot rolled Steel with 3-Coats of Paint (if required) with 19mm thick Marble on Steps (China Verona) approved by the engineer, etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
<b>2</b>	<b>WALL CLADDING &amp; FALSE CEILING</b>
<b>2.1</b>	<b>EXTERIOR &amp; INTERIOR WALL CLADDING</b>

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	Providing and fixing Exterior and Interior wall cladding, non asbestos fiber cement boards (Shera / Prima/Elephant) conforming to ASTM C1186 or 50mm thick nanocrete panel shall be used. The thickness of cladding should not be less than 8mm for both interior and exterior walls & 50mm for nanocrete panel. The vertical and horizontal joints between cladding boards shall be made water tight using jointing compounds shera including all other fixing and finishing detail etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
2.2	<b>INFILL WALL PANELS</b> Providing and Filling Foam Concrete/Nanocrete of density 700Kg/m <sup>3</sup> to 900Kg/m <sup>3</sup> in all wall panels.
2.3	<b>FALSE CEILING</b> Providing and fixing pre-painted Gypsum tiles size 600 x 600 x 9mm with G.I. ceiling framing system suspended with bottom chord of joist framing etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
3	<b>FINISHES</b>
3.1	<b>FLOOR TILES</b> Providing & laying Porcelain tiles size (400mm x 400mm) make & colour of approved by Consultant) patterns and shades, preparation and laying of base coat with 25-50mm CS mortar , over previously laid sub floor including filling of joints with matching colour grout, etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
3.2	<b>SKIRTING</b> Providing & Laying of approved quality & sizes (as per floor tiles) of porcelain tiles skirting 4" high including chieseling/wall where ever required and cement mortar backing etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
3.3	<b>BATH TILES</b> Providing & laying ceramic tiles (size 10" x 13"), walls (up to 5'-0") & floors (Size 10" x 10") of approved shades & patterns (approved by Consultant) in toilets etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
3.4	<b>PAINTS</b>
a	Providing & applying Matt Finish enamel Paint on walls i/c applying priming coat, filling, rubbing smoothing with sand paper. Applying three coats of approved shade to walls, columns, coved surfaces in the interior of the building as shown on the drawings including application of primer and preparation of surface to be painted etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
b	Providing & applying weather shield paint over the external surfaces of building, columns & beams / Projections i/c. filling, rubbing, smoothing with sand paper. Applying three coats of approved shade & colour etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
c	Providing & applying Grafitto texture / paint over the external surfaces of building, columns & beams / Projections i/c. filling, rubbing, smoothing with sand paper. Applying three coats of approved shade & colour etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
d	Providing & applying oil paint on wood works surfaces of doors, including rubbing, finishing with sand paper of approved shade, including preparation of surface to be painted etc, complete in all respect as per specifications & relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.
4	<b>DOORS &amp; WINDOWS</b>
4.1	<b>WOODEN DOOR</b>

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4.2	<p>Providing and fixing in position 38mm thick semi solid flush door with 5mm thick commercial ply single / double shutter with 8mm thick approved quality golden teak wood lipping all around the shutter, 16 SWG galvanized steel sheet frame and molding (width of frame is same as wall thickness) The item includes fixing of door frames in wall opening with five holdfasts filling around frames as well as in pockets with Foam/Nanocrete concrete, complete including wooden beading, handle, lock and tower bolts &amp; door stopper of approved quality etc, complete in all respect as per specifications &amp; relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.</p> <p><b>ALUMINIUM DOORS</b></p> <p>Providing and fixing in position Silver/colour anodized aluminium Doors of Delux section 2mm thick manufactured by Lucky, Krudson Pakistan cables or equivalent for Doors section, including the cost of all accessories cutting holes etc., fixing and cost of first class 5 mm thick Imported/local clear glass, handle, lock &amp; door stopper of approved quality etc, complete in all respect as per specifications &amp; relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.</p>
4.3	<p><b>ALUMINIUM WINDOWS</b></p> <p>Providing and fixing in position Silver/colour anodized aluminium windows of Delux section 2mm thick manufactured by Lucky, Krudson Pakistan cables or equivalent for Sliding/fixed/openable Window section, including the cost of aluminium netting / fly proofing fittings with all accessories cutting holes etc., fixing and cost of first class 5 mm thick Imported/local clear glass etc, complete in all respect as per specifications &amp; relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.</p>
4.4	<p><b>ALUMINIUM VENTILATORS</b></p> <p>Providing and fixing in position Silver anodized aluminium ventilators as per manufactured by Lucky, Krudson Pakistan cables or equivalent for Sliding/fixed/openable section, 55.5mm x 22.5 mm and Normal thickness including the cost of aluminium netting / fly proofing fittings with all accessories cutting holes etc., fixing and cost of 1st class 5mm thick Imported/local clear glass etc, complete in all respect as per specifications &amp; relevant approved drawings, all works to the entire satisfaction of the Engineer/Project Manager.</p>
4.5	<p><b>EXPANSION JOINTS</b></p> <p>Providing and fixing in expansion joints in floors at any height/elevation MS angle iron 38x38x6mm &amp; Balco ? Chemitech Expansion Joint Section covered with mastic sealant &amp; aluminium cover in floor / walls ad roof with providing 1" to 2" inch thick thermopore sheet / jumbolon sheet complete in all respect as per design / drawings and specification and as per instructions of the Project Manager / Project Engineer / Consultant.</p>
4.6	<p><b>MISCELENEOUS</b></p> <p>Exterior Elevation complete in all respect as per design, specification and complete in all respect as er design / drawings and specification and as per instructions of the Project Manager ? Project Engineer / Consultant.</p>
4.7	<p><b>MS STEEL GRILL</b></p> <p>Providing and fixing MS Steel Grill in Windows with 3/8" dia Sq. bar and 1" x 1/8" thick MS Flat patti (approx. 2Kg Per Sft.) including applying one primer coat of red oxide and three coats of dulux (ICI) / Jotun Enamel Paint of approved shade and colour complete in all respect as per design / Drawings and specification and as per instructions of the Projcet Manager ? Projcet Engineer / Consultant.</p>

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