

BOQ: CIVIL WORK FOR STATE BANK OF INDIA ADMINISTRATIVE OFFICE, URBAN ESTATE PHASE-II, BATHINDA					
I.No.	Description of Item	Quantity	Unit	Rate	Amount(Rs)
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	116.00	Cu.mtr		
2	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	100.00	per 50 kg cement		
3	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement: 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size)	78.00	Cubic Metre		
4	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	139.87	Cubic Metre		
5	a).Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	700.00	Square Metre		
6	b). Suspended floors, roofs, landings, balconies and access platform.	570.56	Square Metre		
7	c). Shelves (Cast in situ).	60.67	Square Metre		
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level & above plinth level. Cold twisted bars .	28014	Kilogram		
9	Steel Rebaring for additional slabs and beams of appropriate diameter with chemicals of Hilti / Wurth.				
a	10 mm dia	1500	Nos		
b	12mm dia	1500	Nos		
c	16mm dia	750	Nos		
d	20mm dia	500	Nos		
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :	102.60	Cubic Metre		

11	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in.	114.56	Square Metre		
12	Providing and fixing 18mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade a). Area of slab upto 0.50 sqm	1.38	Square Metre		
13	b). Area of slab over 0.50 sqm.	172.54	Square Metre		
14	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work.	100.00	Metre		
15	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/Granite / stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	8.00	Each		
16	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	500.00	Kilogram		
17	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	450.00	Kilogram		

18	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge,(for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc. S.S. tube.	350.00	Kilogram		
19	Providing and fixing 1st quality ceramic glazed wall tiles (600 mm X 300mm)conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	681.39	Square Metre		
20	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	207.25	Square Metre		
21	Providing and laying full body Vitrified tiles in flooring including 100mm high skirting (Basic rate of tile is Rs. 90/- per Sq.ft. including taxes and transportation) of homogeneous composition of size 597mm x 597mm (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and confirming to IS : 15622 of approved shade and pattern. Tile to be laid on 20 to 50 mm thick cement mortar 1:4 (1 cement : 4coarse sand) including filling the joints with white cement slurry mixed with pigment to match the shade of the tile, leveling of floor if required, covering it with plaster of paris to avoid damages & complete cleaning prior to handing over. All complete as per drawing, approval and instructions of the Engineer incharge/Architect. (Make : H R Johnson / Somany / RAK / Kajaria)	2403.32	Square Metre		

22	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
	40 mm thick with 20 mm nominal size stone aggregate	291.39	Sq.mtr		
23	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	1481.41	Square Metre		
24	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	1500.00	Square Metre		
25	Providing plaster of paris punning 12mm to 15mm approx. thick (nominal) on walls , leveling and smooth finishing the surface including sand papering the old surface etc. The rates are inclusive of scaffolding staging etc. for any	1481.41	Square Metre		
26	Providing and applying two or more coats of plastic emulsion paint (roller finish) of approved make and shade as per the manufacturer's specifications to give a smooth surface including priming coat etc.	12074.00	Square Metre		
	complete as specified and as directed by the Architect / engineer-in -charge.The rates are inclusive of scaffolding staging etc. for any height and for plane as well as for architectural surface.				
27	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.In cement mortar	25.00	Cubic Metre		
28	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	15.00	Cubic Metre		
29	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete	50.00	Cubic Metre		
30	Dismantling of flexible pavement by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge.	350.00	Square Metre		
31	Dismantling manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : Water bound macadam road	450.00	Squre Meter		

32	Providing and fixing of Solid wooden door shutters/flap doors using 35mm ready made ISI flush door shutter with 1.0mm thick laminate of desired shade/textures and gloss as per drawing with teak wood frame of 75mm x 40mm. The door shall have 6 mm thick teak wood lipping all around the edges. The door shall have vision panels with 8mm thick clear float glass with etching fixed with double 14mm x 25mm thick teak wood moulding as per design. The exposed surface of wood shall be deco painted in desired shade. The door shall be complete in all respect with hardware handles,hinges etc all in brass including melamine polish.	171.58	Sq.Mtr		
33	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	56.00	Each		
34	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564,embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	56.00	Each		
35	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	56.00	Each		
36	Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc. complete.	11.00	Each		
37	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
a	300x10 mm	172.00	Each		
b	150x10 mm	172.00	Each		
38	ALUMINIUM LOUVERS VENTILATOR FOR TOILETS (3'X 2' WITH CUT OUT FOR EXHAUST FAN)				
a	WITH ANODISED SECTIONS (Colour Specified by Bank)				
	Providing and fixing louvered Ventilators consists of 2" x 1" box type heavy duty (14 Guage) approved make aluminium anodised window frame. Adjustable alluminium louver system of same guage to have a 4" wide 6mm frosted glass for privacy. Provision for exhaust fan to be made and fixed frosted glass to be provided to adjustant to. Rate is inclusive all necessary fixtures and fittings, glass etc. complete in all respect.	50.00	Sq.mtr		
	NOTE : Proper slots for exhaust fan should made in the lowered window in consultation with the Electrical Contractor				

39	providing and fixing 6mm thick of approved make clerk mirror (first Quality) on 12mm thk. Marine ply. Mirror shall have a frame of 25mm x 25mm steam beach wooden moulding finished in melamine. The rate shall be inclusive all necessary fixture & fittings.	64.09	Sq.mtr		
40	Wash Basin along with brass screws, half pedestal and two nos angle valves, pvc connections, single lever mixer of jaquar make complete job to complete in all respects and to architects approval.(Hindware, jaquar, Cera Or Equivalent Make.)	40.00	each		
41	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
a	15mm nominal bore	12.00	Each		
42	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	33.00	Each		
43	Providing and fixing soap dish holder (CAN-1131N)	45.00	Each		
44	Providing and fixing two way bib cock with wall flange(working at all floors & i/c all lift,labour etc. complete)a). Jaquar make code FUS-29041 or equivalent make/model	45.00	Each		
45	Providing and fixing toilet paper holder :a). C.P. brass	33.00	Each		
46	Providing and fixing CP Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 32 mm dia haff thread with 80 mm length and 62 mm breadth weighing not less than 45 gms. (Jaguar make code:ALD-709)	45.00	Each		
47	Bottle trap 32mm single piece moulded with height of 250 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 190 gms (Hindware, jaquar, Cera Or Equivalent Make.)	50.00	Each		
48	Providing and fixing CP Brass towel ring round with round flange from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. (Hindware, jaquar, Cera Or Equivalent Make.)	45.00	Each		
49	Wall hung WC white vitrous china double trap syphonic WC size (360mmx545mmx365mm) with 10 litre cistern and all fittings & fixtures,seat cover etc (Hindware, jaquar, Cera Or	23.00	Each		
50	ONE PIECE CLOSET along with brass screws, one concealed of jaquar make and health faucet of jaguar, job to complete in all respects and to architects approval.(Hindware, jaquar, Cera Or Equivalent Make.)	10.00	Each		

51	Providing and fixing white vitreous china battery based infrared sensor operated urinal of (Hindware Cat No. 60002) having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	40.00	Each		
52	Providing and fixing C.P. brass push button long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore.	45.00	Each		
53	Providing and fixing C.P. brass stop cock (concealed) of	45.00	Each		
54	Providing and fixing CP grating of approved quality and colour. Rectangular type with oenable circular lid, 150 mm nominal size square 100 mm diameter of the inner hinged round grating.	105.00	Each		
55	Providing and fixing uplasticised PVC connection pipe with brass unions. 30 cm length				
	a). 15 mm nominal bore	45.00	Each		
56	Supply and installation of Besco by Merino ZMS (SS) series cubicles of width and depth as per specifications/site drawings. Cubicle height to be 2003 mm.				
	Made from solid grade compact high pressure laminate as per IS:2046 and EN438- manufactured under high specific pressure > 5 MPa and temperature 120°C with bunch of kraft papers, impregnated with thermosetting phenolic resin and decorative papers made of cellulose fiber, impregnated with thermosetting melamine resin which provides superior scratch, abrasion, heat, chemical, impact, graffiti and moisture resistance along with anti-bacterial properties. Panels have a black core that when machined, presents a distinctive black edge.	20	Each		
	DOORS All doors will be of single colour and made of 12 mm thick Merino HPL compact panel. The doors will have chamfered edges. Each door will be supported by 3 stainless steel made hinges affixed to the pilasters. Stainless steel made coat hook and door knob are provided with each door.				
	PILASTERS All pilasters will be made of 12 mm thick Merino HPL compact panel with chamfered edge and completed with stainless steel thumb-turn lock set (comprised of thumb-turn and occupancy indicator). Aluminum door stopper profiles with rubber linings for dampening the noise while door closing will be provided at the vertical ends of the pilasters.				

	<p>DIVIDERS All intermediate partitions or dividers will be made of 12 mm thick Merino HPL compact laminate panels. They are affixed with stainless steel made U-channel at their ends for ultimate stability of the system. Design No. as specified by Arch./ Engr. in suede finish. Size of panels to be as per drawing.</p>				
	<p>HARDWARE AND ACCESSORIES</p> <ul style="list-style-type: none"> • Semi-spherical (Top) head frame structure for surface protection. Size to be 50 mm x 32 mm x 1.8 mm • Corner joinery section, size to be 40 mm x 16.5 mm x 1.8 mm • U-Channel Wall joinery section, size to be 22 mm x 16 mm x 1.8 mm. Door stopper section, size to be 21 mm x 12.5 mm x 1.6 mm • Adjustable Palm Design Pedestal Footing of base diameter 60 mm made from stainless steel grade 316 giving a clearance height of 150 mm. Surface finish to be lacquer type • Spring loaded butt hinges made from stainless steel grade 304. Surface finish to be matt type. Covers to be lacquer coated • Coat hook with rubber stopper made from stainless steel grade 304. Surface finish to be lacquer type • Round Door knob diameter 30 mm with grooves for better hand grip made from stainless steel grade 304. Surface finish to be lacquer type • Rotating thumb-turn locking system with privacy indicator made from stainless steel grade 304. Surface finish to be lacquer type • Stainless steel grade 304 screws • Anti-rotation nylon polyamide grade 6- expandable wall plugs • The work shall complete as per drawing, under supervision of engineer in-charge and company experts • Extruded grade aluminum alloy and epoxy powder coated (colour as per specifications) 				
	Total of the Sub-Head - TOILET CUBICLES AND ASSOCIATED WORKS				
57	<p>Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :</p> <p>(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm.</p>	888.63	Square Metre		
58	Liasoring fee for obtaining occupancy certificate from	<i>1</i>	<i>LS</i>		

59	<p>Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels including:</p> <p>a). Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including:</p> <p>b) Fabricating and supplying serrated M.S. hot dip galvanised /Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to commodate</p>	53.00	Square Metre		
	<p>3 Dimentional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon seperator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.</p>				

	<p>c).Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment, including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass. d).Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight. e) Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, installation of glazed units, T&P, caffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified.</p>				
	<p>The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in-charge. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working tructural glazing as specified, cleaning and protection till the handing over of the building for occupation. In the end, the Contractor shall provide a water tight structural glazing having all the performance aracteristics etc. all complete as required, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer- in-Charge.</p>				

	<p>Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this subhead. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in sqm. up to two decimal places.</p>				
	<p>Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL(National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable eparately.The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NABL accredited lab or by any other accreditation body which operates in accordance with ISO / IEC 17011 and accredits labs as per ISO/ IEC 17025.</p>				
	<p>1)Performance Laboratory Test for Air Leakage Test (-50pa to - 300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr. 2) Static Water Penetration Test. (50pa to 1500p) as per ASTME- 331-09 testing method for a range up to 2000 ml. 3)Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01- 05 testing method for a range upto 2000 ml. 4)Structural Performance Deflection and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTME-330-10 testing method for a range upto 50 mm. 5)Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test, Tests to be conducted on site. 6)Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000 ml</p>				

60	<p>Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 8 mm insulated glass (single glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 8mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 8mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor.(Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.25.2)</p>	53.00	Square Metre		
	<p>For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm. 1) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25-0.28) and U value of 3.0 to 3.3 W/m² degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.</p>				
61	<p>Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc., all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in Charge.</p>	9.00	Square Metre		
62	<p>Repair of Glass panel including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc., all complete as per the Architectural drawings as specified and as directed by the Engineer-in Charge.</p>	5.00	Square Metre		

63	Making lawns including ploughing & dragging with 'Sohaga' breaking of clods, removal of earth rubbish dressing & Supplying doob grass roots and planting at 15 cm. apart including Supplying and spreading of farm yard manure @ 0.18 cum per 100 sqm & loosening.	62.00	Sq.mtr		
64	Brick edging of footpaths with 1st class bricks including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m	5.00	Sq.mtr		
65	Supplying decorative plants suitable for earthen pots size 30cm dia and 30cm deep (average size), and displaying outdoor including the cost of material pot and plant and planting etc. complete in all respects	20.00	Sq.mtr		
66	Providing and fixing 1.6 mm thick steel sheet factory fabricated powder coated floor recessed raceway of the following sizes including providing removable cover, knock out holes and fixing accessories earthing with 8 SWG earth wire complete as required including floor supports, bends, access boxes, tap off boxes and cross over as per site				
	Providing and fixing 1.6 mm thick steel sheet factory				
a)	150mm wide x 40mm deep raceway	325	R.mtr		
67	Providing and fixing 200 x 200 x 50mm deep 1.6mm thick GI sheet junction box including providing 2mm thick stainless steel cover as per specification.	75	No		
68	Supply and fixing of GI Perforated type powder coated cable trays as per approved design and GI angle supports spaced 1000mm apart throughout the length as specified, including the cost of threaded rod hangers, hooks, dash fasteners etc. for suspension from ceiling as required				
a)	150mm x 40 x 40 x 1.6mm thick	195	R.mtr		
b)	300mm x 40 x 40 x 1.6mm thick	30	R.mtr		
69	Supply & fixing of following sizes of 1.6 mm thick following <u>PVC conduit</u> recessed and / or surface including cost of providing saddles hangers supports from soffit of slab etc for surface conduiting, ceiling conduiting and / or cost of cutting and filling chases for recessed conduiting, including the cost of draw / junction boxes as required and including the cost of GI fish wire etc. complete as required.				
a)	20 mm dia	100	R.mtr		
b)	25 mm dia	400	R.mtr		
c)	32 mm dia	125	R.mtr		
Total value of the work					

GST will be paid extra