

Nagpur Metropolitan Region Development Authority

Bill of Quantity

Name of Contractor : _____

General Description

Item No.	Item Details	Quantity	Unit	Rate
1.	<p>PROVIDING AND SUPPLYING GLASS FIRE DOOR FOR STAIRCASE NO. 4 SHALL BE WITH FIRE RATED GLASS-11 MM - FIX 800Wx3000H (OF SAINT GOBAIN/ASAHI/MODIGUARD), 1 NO DOOR -1200x2400-1NOS, OVER PANEL-600x1200-1 NOS WITH MS FRAMING INSTALLATION AS PER DRAWING WITH HARDWARE--- SWIFT GLASS FITTING - 90° WALL TO GLASS CONNECTOR(SGSF 057), TOP PATCH (EPF 601), BOTTOM PATCH (EPF 602), OVER PANEL TOP PATCH WITH PIVOT (EPF 603 - A), L CORNER PATCH CONNECTOR (EPF 605), BOTTOM LOCK (EPF 606), FLOOR SPRING EN-6- 1400 MM WIDTH - EN 1154, CE CERTIFIED , DOUBLE SPRING (FH 844 H), H TYPE DOOR HANDLE - 600 MM, DIA - 25 MM (ESDH 1124) (OF DORMA/HAFELLE/ENOX-ASSAABLOY).</p> <p>INCLUDING ALL CUTOUTS, LIFTS,LEADS, TRANSPORTATION & TAXES ETC. COMPLETE, AS DIRECTED BY ENGINEER INCHARGE (GLASS FOR FIRE DOOR SHALL BE AS APPROVED BY PROJECT ARCHITECT)</p>	30.00	SQ.M.	
2.	<p>PROVIDING AND SUPPLYING GLASS FIRE DOOR FOR STAIRCASE NO. 3 SHALL BE WITH FIRE RATED GLASS-11 MM - FIX 2300Wx3000H (OF SAINT GOBAIN/ASAHI/MODIGUARD), -1 NO DOOR -750x3000-1NO DOOR -1200x2400-2NOS, OVER PANEL-600x1200-2NOS WITH MS FRAMING INSTALLATION AS PER DRAWING WITH HARDWARE---SWIFT GLASS FITTING - 90° WALL TO GLASS CONNECTOR(SGSF 057), SWIFT GLASS FITTING - 90° WALL TO GLASS CONNECTOR(SGSF 056), SWIFT GLASS FITTING - 180° GLASS TO GLASS CONNECTOR(SGSF 010), TOP PATCH (EPF 601), BOTTOM PATCH (EPF 602), OVER PANEL TOP PATCH WITH PIVOT (EPF 603 - A), L CORNER PATCH CONNECTOR (EPF 605), BOTTOM LOCK (EPF 606), FLOOR SPRING EN-6- 1400 MM WIDTH - EN 1154, CE CERTIFIED , DOUBLE SPRING (FH 844 H), H TYPE DOOR HANDLE - 600 MM, DIA - 25 MM (ESDH 1124) (OF DORMA/HAFELLE/ENOX-ASSAABLOY).</p> <p>INCLUDING ALL CUTOUTS, LIFTS,LEADS, TRANSPORTATION & TAXES ETC. COMPLETE, AS DIRECTED BY ENGINEER INCHARGE (GLASS FOR FIRE DOOR SHALL BE AS APPROVED BY PROJECT ARCHITECT)</p>	81.75	SQ.M.	
3.	<p>SUPPLYING AND PROVIDING TEMPERED GLASS FOR SLIDING FOLDING SHALL BE WITH TEMPERED GLASS-12 MM -3850x3500 (OF SAINT GOBAIN/ASAHI/MODIGUARD) INSTALLATION AS PER DRAWING WITH HARDWARE-- 2+2 HEAVY DUTY GLASS SLIDING FOLDING SYSTEM-12MM-SS FINISH-WITHOUT BOTTOM (EGSLDF 801 A1 12MM SS), FULLY INTEGRATED LOCKING SYSTEM (EGSLDF 801 D1 12MM SS), PANEL CONNECTED ON HINGES WITH PROFILE (ESDH 1515), HANDLE -275 MM (ESC 079 (12)) (OF DORMA/HAFELLE/ENOX-ASSAABLOY).</p> <p>INCLUDING ALL CUTOUTS, LIFTS, LEADS, TRANSPORTATION & TAXES ETC. COMPLETE, AS DIRECTED BY ENGINEER INCHARGE (GLASS FOR SLIDING FOLDING SHALL BE APPROVED BY PROJECT ARCHITECT).</p>	67.37	SQ.M.	
4.	<p>PROVIDING AND SUPPLYING MOVABLE ACOUSTIC WALLS COVERING AN AREA OF 16512MMx3390MM CONSISTING OF TOTAL 16 STANDARD PANELS, 2 ADJUSTABLE PANEL TYPE (SH 100) BEING AN ACOUSTIC MOVABLE WALL PARTITIONING SYSTEM EACH WALL COVERING THE LISTED MEASUREMENTS EACH PANEL DULY FILLED IN WITH ACOUSTIC MATERIALS UP TO 50dB, RW AND SHALL BE FINISHED WITH 12MM MDF PLAIN BOARDS (UNFINISHED),</p>	55.98	SQ.M.	

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	INSTALLATION AS PER DRAWING WITH HARDWARE--- TRACK AND TROLLEY: TOP HUNG SYSTEM WITH TRACK TYPE 80 AND HEAVY DUTY TROLLEY CG SYSTEM SUPPLIED WITH NECESSARY TRACK PLATES, TRACK STRIPS, SCREWS, NUTS, ALIGNMENT PINS ETC. INCLUDING ALL CUTOUTS, LIFTS, LEADS, TRANSPORTATION & TAXES ETC. COMPLETE, AS DIRECTED BY ENGINEER INCHARGE			
5.	Providing and Fixing Customized Carpet for Banquet Hall with Approved Nylon with Anti Stain & Soil Treatment 1/12 gauge, 680 gm/m2, Pile Height 6.0/5.3/3.0 mm, Total Thickness 9.2 mm max, Total Weight 5050 gm/m2, Secondary Back Recyclable Duraback shall be warranted not to lose more than 10% pile fibre by weight in normal commercial use Colour Fastness 15 Year Warranty ASTM 16-04. Grade 4 – Little or no change Static Electricity Permanent Lifetime Protection – less than 3.5kv, Stain Resistance Stain Shield Treatment Soil Resistance Soil Guard Treatment Flammability ASTM E-648 Radiant Panel Class 1 Dimensional Stability Warranted not to change in size by more than 0.5mm in normal use. shall not dome or dish in normal use Installation Pressure Sensitive Adhesive Sustainability All yarns used shall be Solution dyed. Including all leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	438.00	SQ.M.	
6.	Providing and Fixing Carpet Tiles at Auditorium Step & Floor with Approved Nylon with Anti Stain & Soil Treatment 1/12 gauge, 680 gm/m2, Pile Height 6.0/5.3/3.0 mm, Total Thickness 9.2 mm max, Tile size 500mm x 500mm, Total Weight 5050 gm/m2, Secondary Back Recyclable Duraback shall be warranted not to lose more than 10% pile fibre by weight in normal commercial use Colour Fastness 15 Year Warranty ASTM 16-04. Grade 4 – Little or no change Static Electricity Permanent Lifetime Protection – less than 3.5kv, Stain Resistance Stain Shield Treatment Soil Resistance Soil Guard Treatment Flammability ASTM E-648 Radiant Panel Class 1 Dimensional Stability Warranted not to change in size by more than 0.5mm in normal use. shall not dome or dish in normal use Installation Pressure Sensitive Adhesive Sustainability All yarns used shall be Solution dyed. Including all leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	1460.06	SQ.M.	
7.	Providing & fixing in position Stage flooring Made from 18mm plywood 1200 x 2400 & 18mm first class Teakwood planks 100 x 800 having tongue & groove on 2nd class teak wood frame of 50 x 100 at 600mm c to c on stage surface including cost of required Cut-Outs, decorative mouldings / finishing-items / polish etc., as per Architectural & Acoustical Design & Instructions & Complete in all aspects. (Stage Flooring) Approved Makes - Kaindl/Pergo/Span Including all leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	241.04	SQ.M.	
8.	SHEER DIMOUT BLINDS Providing & fixing of Dimout Window Shadings of 100% ployester, combining the soft sheerness of a shade and the functional control of a horiontal blind, this blind has a center vane which can bve adjusted to guarantee the perfect amount of light or privacy. The visibility of the same should be translusantwith approx weight of 205g/m2(+ - 5%). The thickness of the linds should be of 0.44mm(+ -0.05), with width upto 2.80mtrs. The hanging property should be excellent with a very high tearing strength. The blinds should be conditionally cleanable with a Damp cloth. Approved Make - Marvel, Hunter Douglas, Ferrari Including all leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)	724.00	SQ.M.	
9.	ROLLER BLINDS Providing and fixing Roller Blinds with The DRIVE UNIT shall be made of moulded plastic with steel spring support and inserted into the tube end. It shall be driven by a ball chain pulley with ball chain and can be positioned at right or left hand side of the Shade. The Shade when	620.23	SQ.M.	

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	<p>lowering or raising, shall be automatically locked in position upon release of the ball chain by means of a built in friction lock. The END PLUG shall be moulded of plastic with a steel location pin. The plug shall be inserted into the tube end. (Opposite to the Drive Unit). The SUPPORT BRACKETS shall be of coated steel & provided with covers and used in right or left hand positions differentiated by the acceptance of the of the rectangular drive unit support or the round idler plug pin. The ROLLER TUBE shall be of extruded aluminum with 38mm internal diameter & skin thickness of 1mm and shall incorporate a keyway integral with the tube to accommodate the spline. The outside diameter of the roller tube shall be 40mm. The BOTTOM RAIL shall be a stiffening element inserted into a bottom rod pocket. The material may be timber, PVC covered steel tube or VB Bottomrail. The BALLCHAIN shall be 2mm diameter cord with 4.5mm diameter acetal balls moulded co-axially to it on 6mm pitch to form an endless ballchain. It is used for raising or lowering action of the shades. Hunter Douglas Twilight Blackout Fabric shall be used to make this blind which is of Basic Material: 100% Polyester available in the width of 2500mm and weight of 300 gsm having thickness: 0.57mm and finishing: Blackout Fabric reverse & Front side pigment color coated. The Color Fastness would be : >6 with a Rubbing Fastness: 7 on a scale of 10 and Shrinkage (%): Wrap: < 0.5% with Fire Rating of : NFPA 701 of color cloud white</p> <p>Approved Make - Marvel, Hunter Douglas, Ferrari</p> <p>Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect).</p>			
10.	<p>SUN LOUVERS Aluminum Panel Sun Louvers SL-4 84R :- Supply and fixing of Luxalon SL-4 84R Plain panel Sun Louvers of approved color white consisting of panel 84 mm wide x 16mm deep x 0.6mm thick with round edges panel length up to 6mtrs coil coated on a continuous paint line double baked and roll formed from enameled corrosion Resistance Aluminum Alloy M3005 (Al.Mg.) for higher strength and good Roll forming Characteristics, Panel shall be clipped to baked enameled Aluminum SL4 panel stringer of 33mm wide and 96mm deep x 0.95m m thick n a standard length of 5mtrs made of double baked enameled Aluminum Alloy AA5O50(Al.Mg.) black with cut-outs to hold the panel in a module of 96mm c/c at a distance of 1mtr, The carrier shall be fixed to a suitable structure by means of rigid fixing details, 84R Panels shall have exterior paint finish which shall be of 3 layers, Mode of Measurements: Measurements shall be Length and Breadth of the facia without any deductions for any openings.</p> <p>Approve Make - SIS, Armstrong, Hunter Douglas</p> <p>Including all leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)</p>	542.80	SQ.M.	
11.	<p>Providing and fixing panelling for Circular Column, 6mm flexible plywood double layer with 12 mm thickness and rings of 19mm thick ply for circular shape base, make by century ply, finish with 4mm thk veneer century lam, panelling fixed with s.s. screws and nails, veneer fixed with 6mm thk press beading Patti and nails, ply joint with joint pin, including fevicoll, lead, lift and labour charges etc. complete.</p> <p>Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)</p>	439.35	SQMT	
12.	<p>Providing & Fixing of CAST / SS FINISH MONUMENT System as per approved drawings/Picture including Cast or SS material as per design with good finish with shade if required, Ht 1 mt form top to bottom, Wooden base as per load required, Fixing on bottom with SS fixture, Wooden box on base of size 0.5 mt sq as per design given, Fixing of 100 mm Ankor bolt fitting on ground.</p> <p>Including all leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)</p> <p>Including all fixtures and fasteners, leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)</p>	50.00	NO	
13.	<p>Providing & Fixing of CAST / SS FINISH MONUMENT System as per approved drawings/Picture including Cast or SS material as per design with good finish with shade if</p>	25.00	NO	

Item No.	Item Details	Quantity	Unit	Rate
	required, Ht 1.5 mt form top to bottom, Wooden base as per load required, Fixing on bottom with SS fixture, Wooden box on base of size 0.5 mt sq as per design given, Fixing of 100 mm Ankor bolt fitting on ground. Including all leads, lifts, transportation and taxes, etc. complete as directed by engineer incharge (item shall be as approved by project architect)			
14.	Providing and Supplying Customized Perforated Aluminium Miniwave Cladding System of Perforated Aluminium Miniwave wall cladding system with acoustics perforation of wood finish colour consisting of 270 mm wide, 14 mm deep Panels with a 19 mm dia curved construction giving a corrugated construction of panel having length upto 6mtrs roll formed from 0.6 mm thick Aluminium for higher strength and good Roll forming characteristics. Panels shall be secured to the Aluminium substructure of 75mm X 50mm X 2mm RHS pipes at the back by means of screws at a centre-to-centre distance of 1000 mm or as per design and the next panel shall overlap to the previous panel maintaining a uniform corrugation. The panels shall match the architects design to provide for the strip lighting. The panels shall covered with flush profiles on the open edges and skirting at the floor to cover the bottom edge of the panels. APPROVED MAKES - ARMSTRONG, HUNTER DOUGLAS, SIS	893.05	SQ. M.	
15.	Providing and Supplying Plain Miniwave Cladding System of Plain GI Miniwave wall cladding system of finish wood colour in straight and curved pattern as required consisting of 270 mm wide, 14 mm deep Panels with a 19 mm dia curved construction giving a corrugated construction of panel having length upto 6mtrs roll formed from 0.5 mm thick GI for higher strength and good Roll forming characteristics. Panels shall be secured to the aluminium sub structure 25X25mmX1mm as per site requirement by means of screws at a centre-to-centre distance of 1000 mm and the next panel shall overlap to the previous panel maintaining a uniform corrugation. The panels shall covered with flush profiles on the open edges and skirting at the floor to cover the bottom edge of the panels. APPROVED MAKES - ARMSTRONG, HUNTER DOUGLAS, SIS	2,161.05	SQ. M.	
16.	Providing and Supplying of screen panel cladding fixed system manufactured by APPROVED MAKES. The Screen panels of customised sizes say 900 mm X 4000 mm as per design requirement shall be manufactured from high corrosion resistant aluminium alloy AA3105 of 2.0 mm thick. Screen panels shall have customized perforation as per architects design. Combination of perforations to be provided to suite the design Panels. Panels shall be coated on visible side with NANO technology powder coated as per the architectural intent. The panels of required length and height shall be fixed to Aluminium sub structure of 25X25X1mm by means of GI/Alu guide clamps (Installer's scope). The provision shall be made for concealed lighting wherever required as per architects directives. Panels shall be bend from all four sides and shall have extended flanges to accommodate clamps. APPROVED MAKES - ARMSTRONG, HUNTER DOUGLAS, SIS	933.37	SQ. M.	
17.	Providing and Supplying of unperforated panel cladding fixed system manufactured by APPROVED MAKES. The Screen panels of customised sizes say 900 mm X 4000 mm as per design requirement shall be manufactured from high corrosion resistant aluminium alloy AA3105 of 2.0 mm thick. Panels shall be coated on visible side with Nano technology powder coated as per the architectural intent. The panels of required length and height shall be fixed to Aluminium sub structure of 25X25X1mm by means of GI/Alu guide clamps (Installer's scope). The panels shall be suitable for digital printing as per theme and design of project architect. Panels shall be bend from all four sides and shall have extended flanges to accommodate clamps. APPROVED MAKES - ARMSTRONG, HUNTER DOUGLAS, SIS	100.00	SQ. M.	
18.	Providing and fixing QuadroClad Straight / Segmental Curve Acoustical Perforation Partition panels of 75mm thickness with honeycomb consisting of two skins of flat smooth Aluminium alloy AA3005, with an outer and inner skin thickness of 0.5 mm. Panel shall be factory manufactured to the required width subject to a minimum width of 750mm and to the required lengths subject to maximum of 4000 mm and shall essentially have panel edges on all four sides closed for horizontal and vertical applications with openable shutter as per drawings.	87.27	SQ. M.	

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	<p>The Quadroclad Honeycomb panels shall be roll formed and high pressure pressed in controlled factory conditions with two part high temperature cured PU glue and with two consisting of aluminum skins and using a pre-treated corrosion resistant core of paper honeycomb having a core diameter of 19mm and foil thickness of 0.076 mm. The inner honeycomb will have a hollow sections of Aluminium or MS substructure for cable management and rigidly holding panels for the required height as per the manufactureres specifications so that panels can be used as a partition panels. The 75mm thick panel will be finished on the outer/exposed surface with powder coated with nano-technology and on the inner surface with primer coating. The 75mm thick panels shall be secured with the interlocking edges on alternate sides. APPROVED MAKES - ARMSTRONG, HUNTER DOUGLAS, SIS</p>			
19.	<p>Providing and fixing Quadroclad Curved Honeycomb panels cladding for round columns of 12mm thickness with honeycomb consisting of two skins of flat smooth Aluminium alloy AA3005, with an outer and inner skin thickness of 0.5 mm. Panel shall be factory manufactured to the required width subject to a maximum width of 1500mm and to the required lengths subject to maximum of 5000 mm and shall essentially have panel edges on all four sides closed. The panels shall have provision for the vertial and peripheral lighting provision as per drawings. Outer level difference of 50mm to be maintained on the middle and top/bottom dsign. The Quadroclad Honeycomb panels shall be roll formed and high pressure pressed in controlled factory conditions with two part high temperature cured PU glue and with two consisting of aluminum skins and using a pre-treated corrosion resistant core of paper honeycomb having a core diameter of 19mm and foil thickness of 0.076 mm. The 12mm thick panel will be finished on the outer/exposed surface with powder coated with nano-technology and on the inner surface with primer coating. The 12mm thick panels shall be secured with the interlocking edges on alternate sides. The panels shall be fixed to suitable alu substructure of 25X25X1mm wherever required. APPROVED MAKES - ARMSTRONG, HUNTER DOUGLAS, SIS</p>	637.87	SQM	
20.	<p>Providing and fixing Quadroclad Straight Honeycomb panels cladding for straight columns of 6mm thickness with honeycomb consisting of two skins of flat smooth Aluminium alloy AA3005, with an outer and inner skin thickness of 0.5 mm. Panel shall be factory manufactured to the required width subject to a maximum width of 1500mm and to the required lengths subject to maximum of 5000 mm and shall essentially have panel edges on all four sides closed. The Quadroclad Honeycomb panels shall be roll formed and high pressure pressed in controlled factory conditions with two part high temperature cured PU glue and with two consisting of aluminum skins and using a pre-treated corrosion resistant core of paper honeycomb having a core diameter of 19mm and foil thickness of 0.076 mm. The 6mm thick panel will be finished on the outer/exposed surface with powder coated with nano-technology and on the inner surface with primer coating. The 6mm thick panels shall be secured with the interlocking edges on alternate sides and suitable Alu sub structure of 25 X 25 X1mm. APPROVED MAKES - ARMSTRONG, HUNTER DOUGLAS, SIS</p>	1,085.14	SQM	
21.	<p>Supply & fixing of rock / stone finished full body vitrified steptiles 16mm thick with thick bullnose for ready to install treads and risers and required width wide in plain pattern including cement float filling joints with neat cement slurry natural sand curing and cleaning complete with prior approval of concerned superitending engineer, of Make : Simpolo Vitrified, Akash Ceramic, Inventa Ceramics, INCLUDING ALL LIFTS LEADS TRANSPORTATION & TAXES ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE.</p>	1501.01	SQMT	
22.	<p>Supply & Fixing of Wall Tiles 9 mm thick Of tiles size 600x1200mm and Having matt Polished surface required width wide in plain pattern including OPC cement float filling joints with neat cement Paste curing and cleaning complete, of Make : Simpolo Vitrified, Akash Ceramic, Inventa Ceramics, INCLUDING ALL</p>	2950.94	SQMT	

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	LIFTS LEADS TRANSPORTATION & TAXES ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE.			
23.	Supply & Fixing of FLOOR Tiles 9 mm thick Of tiles size 600x600mm and Having matt Polished surface required width wide in plain pattern including OPC cement float filling joints with neat cement Paste curing and cleaning complete, Make : Simpolo Vitrified, Akash Ceramic, Inventa Ceramics, INCLUDING ALL LIFTS LEADS TRANSPORTATION & TAXES ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE.	825.27	SQMT	
24.	PROVIDING AND SUPPLYING HARDWARE FOR SINGLE LEAF DOOR OF WASHROOM/KITCHEN AS PER DRAWING WITH HARDWARE--- 4 BB BALL BEARING HINGE - 102X76X3 MM FIRE RATED (ESSH 4303-N) 4 nos CONCEALED DOOR CLOSER EN 2-4-CAM ACTION (ITS 960) 1no BRASS TOWER BOLT-250MM- ROUND KNOB (ETB SQ 010) 1 no CYLINDRICAL MORTISE FIRE RATED DEAD LOCK (EDL FR 001) 1 no KEY HOLE - ROUND -50MM (EKEY 003) 2 no 60MM HIGH SECURITY EURO CYLINDER LOCK OVAL KNOB WITH 5 COMPUTER (ECY HSL 21060) 1 noMAGNETIC DOOR STOPPER SS (EDF 030 SS) 1no D TYPE DOOR HANDLE -300MM -SS 304 (DIA 22MM) (ESDH 1212) 2 no. OF MAKE : DORMA/HAFELLE/ENOX-ASSAABLOY, INCLUDING ALL LIFTSLEADS TRANSPORTATION & TAXES ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE (SINGLE LEAF DOOR SHALL BE AS APPROVED BY PROJECT ARCHITECT)	50.00	NO	
25.	Providing and fixing of Ply Flush Doors single leaf fully panelled door shutter of 40mm thickness with 4 mm thick veneer applied with melamine polish of ASIAN MAKE. Fixing fasting and finishing complete, of make : Green Ply, Century Ply, Ultra, INCLUDING ALL LIFTSLEADS TRANSPORTATION & TAXES ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE (SINGLE LEAF DOOR SHALL BE AS APPROVED BY PROJECT ARCHITECT)	120.00	SQMT	
26.	PROVIDING AND SUPPLYING High Pressure Laminate Doors (HPL) With thickness of 8mm with fixing SS indicator board BA1 Stainless steel AISI Grade 316 DN 835 door knobs of Kich Make Ionidised Aluminum L- Section of Thickness 1-1.5mm BH24S Door Hinge of stainless steel of grade AISI316, of make : Marino, GVXL, GREEN LAM, INCLUDING ALL LIFTSLEADS TRANSPORTATION & TAXES ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE (SINGLE LEAF DOOR SHALL BE AS APPROVED BY PROJECT ARCHITECT)	193.73	SQMT	
27.	Poviding and fixing double leaf 75 mm thick asbestos free composite fire / smoke check wooden shutters of 0.8 NRC fire treated door comprising of two 9 mm thick calcium silicate boards 100% without asbestosbrucite and meerschaum having a density not less 1150 kg/m3 sandwiching 30 mm thick fire NSA insulation filler coated with FR silicon sealant and faced with 3 mm	48.00	SQMT	

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	thick commercial ply on both side with heat activated intumescent Fire seal strip of size 10 mm x 4 mm mounted in the grooves of hardwood lipping on all sides except bottom.The sealant is used to fill the gaps between board and internal wooden lipping. Hinges:-SS 304 grade ball bearing hinges, DOOR FRAME, (PANICKBAR AND HARWARE NOT INCLUDED) OF MAKE : NSA, ECOTONE, AVA ACCOUSTICS, Including all fixtures and fasteners leads lifts transportation and taxes etc. complete as directed by engineer incharge (item shall be as approved by project architect)			
28.	Providing and fixing single leaf 75 mm thick asbestos free composite fire / smoke check wooden shutters of 0.8 NRC fire treated door comprising of two 9 mm thick calcium silicate boards 100% without asbestosbrucite and meerscham having a density not less 1150 kg/m3 sandwiching 30 mm thick fire NSA insulation filler coated with FR silicon sealant and faced with 3 mm thick commercial ply on both side with heat activated intumescent Fire seal strip of size 10 mm x 4 mm mounted in the grooves of hardwood lipping on all sides except bottom The sealant is used to fill the gaps between board and internal wooden lipping Hinges:- SS 304 grade ball bearing hinges, DOOR FRAME, (PANICKBAR AND HARWARE NOT INCLUDED) OF MAKE : NSA, ECOTONE, AVA ACCOUSTICS, Including all fixtures and fasteners leads lifts transportation and taxes etc. complete as directed by engineer incharge (item shall be as approved by project architect)	16.80	SQMT	
29.	PROVIDING AND SUPPLYING GLASS PARTITIONS WITH 90° CONNECTIONS WITH TEMPERED GLASS-12 MM - 3000Wx3000H-1NO 3000x3350-1NO 3000x4050-1NO (OF SAINT GOBAIN/ASAHI/MODIGUARD) INSTALLATION AS PER DRAWING WITH HARDWARE---TOP FIN PLATE-300MM (ESFP-300 (316)) BOTTOM FIN PLATE-300MM (ESFP-301 (316)) SWIFT GLASS FITTING - 180° GLASS TO GLASS CONNECTOR (SGSF 010) SWIFT GLASS FITTING - 90° GLASS TO GLASS CONNECTOR (SGSF 056) SWIFT GLASS FITTING - 90° WALL TO GLASS CONNECTOR (SGSF 057) FITTING -2 WAY FIN - GLASS TO GLASS CONNECTOR (ESPIDER 008) TOP PATCH (EPF 701) BOTTOM PATCH (EPF 702) OVER PANEL TOP PATCH(EPF 703) BOTTOM LOCK (EPF 706) PATCH FITTING-CORNER CONNECTOR (EPF 705) H TYPE DOOR HANDLE - 600 MM DIA - 25 MM (ESDH 1124), OF MAKE : DORMA/HAFELLE/ENOX-ASSAABLOY, INCLUDING ALL CUTOUTS LIFTS LEADS TRANSPORTATION & TAXES ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE (GLASS FOR CABIN SHALL BE APPROVED BY PROJECT ARCHITECT)	541.10	SQMT	
30.	PROVIDING AND SUPPLYING GLASS PARTITION WITH < & > 90° CONNECTIONS WITH TEMPERED GLASS-12MM - 2050x3600-1NO 2350x3600-2NOS 4670x3600-2NOS 2000x300-10NOS (OF SAINT GOBAIN/ASAHI/MODIGUARD) INSTALLATION AS PER DRAWING WITH HARDWARE---TOP FINE PLATE 300MM (ESFP-300(316)) BOTTOM FINE PLATE	426.53	SQMT	

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	300MM (ESFP-301(316)) SWIFT GLASS FITTING - 90° GLASS TO GLASS CONNECTOR (SGSF 056) SWIFT GLASS FITTING - 90° WALL TO GLASS CONNECTOR (SGSF 057) SWIFT GLASS FITTING - 180° GLASS TO GLASS CONNECTOR (SGSF 010) FITTING-2 WAY FIN-GLASS TO GLASS CONNECTOR (ESPIDER 008) SPICE PLATE FIN JOINERY-300MM (ESSP-300 (316)) GASS TO GLASS ANGLE CONNECTOR-PATCH FITTING - 82MM (ESPF 1109-82) GASS TO GLASS WITH FIN ANGLE CONNECTOR-PATCH FITTING-82MM (ESPF 1112-82) FLOOR SPRING EN-3-105 KGS - EN 1154 CE CERTIFIED DOUBLE SPRING(FH 843) OVER PANEL TOP PATCH (EPF 703) TOP PATCH (EPF 701) BOTTOM PATCH (EPF 702) BOTTOM LOCK (EPF 706) PATCH FITTING-CORNER CONNECTOR (EPF 705) H TYPE DOOR HANDLE - 600 MM DIA - 25 MM (ESDH 1124), OF MAKE : DORMA/HAFELLE/ENOX-ASSAABLOY, INCLUDING ALL CUTOUTS LIFTS LEADS TRANSPORTATION & TAXES ETC. COMPLETE AS DIRECTED BY ENGINEER INCHARGE (GLASS FOR CABIN SHALL BE APPROVED BY PROJECT ARCHITECT).			
31.	<p style="text-align: center;">SUN LOUVERS</p> <p>Aluminum Panel Sun Louvers 84R :-</p> <p>Supply and fixing of 84R Plain panel Sun Louvers of approved color white consisting of panel 84 mm wide x 16mm deep x 0.6mm thick with round edges panel length up to 6mtrs coil coated on a continuous paint line double baked and roll formed from enameled corrosion Resistance Aluminum Alloy M3005 (Al.Mg.) for higher strength and good Roll forming Characteristics Panel shall be clipped to baked enameled Aluminum SL4 panel stringer of 33mm wide and 96mm deep x 0.95m m thick n a standard length of 5mtrs made of double baked enameled Aluminum Alloy AA5050(Al.Mg.) black with cut-outs to hold the panel in a module of 96mm c/c at a distance of 1mtr The carrier shall be fixed to a suitable structure by means of rigid fixing details 84R Panels shall have exterior paint finish which shall be of 3 layers Mode of Measurements: Measurements shall be Length and Breadth of the facia without any deductions for any openings, Of Make - Aura, Ceiling Plus, Super sil, Including all leads lifts transportation and taxes etc. complete as directed by engineer incharge (item shall be as approved by project architect)</p>	232.39	SQMT	
32.	<p>Providing and fixing of cladding of 4mm thick Aluminium composite panel with 3mm anti-toxic Vlrigin polyethylene core sandwich with 2 aluminum coated coil (Alloy - 5005 grade) of 0.50mm thickness on top and Bottom and Front Face of coil shall coated with Solid/Rustic Colors of Exterior Grade coating Compliance to AAMA2605 and back coil shall have Primer Coat .Rate shall include the cost of supplying and fixing of laminated sandwiched composite panel, The frame work was done by using Aludecor Male Female Rainscreen System having Aluminium Alloy 6063 T5/T6 Omega Profile ALPL/P/211 , Male Profile ALPL/P/311 & Female Profile ALPL/P/312.T-Bracket ALPL/P/210A (or) ALPL/P/210B, the design criteria with toggle cleat spacing shall not exceed 450mm and necessary stiffeners 'L' Angle frame behind ACP</p>	532.20	SQMT	

Item No.	Item Details	Quantity	Unit	Rate
	shall be provided at every 600mm and to be fixed suitable adhesive or VHB tape for bonding the stiffener into panel to avoid the permanent deformation over a period with thickness not less than 2mm. All ACP fold at corners shall be provided with 'L' Cleat of 1.5mm thick at suitable interval and HDG bracket etc, Complete. Anchor Fastener (DFT) & (DDRM). MS supportive shape structure cutting of ACP sheet as per shape of building with SS 304 screws and fasteners of Hilti make and aluminum brackets whenever required. System to be used shall be as per the approved drawings, Of Make : Alex, Aludecor, Viva, INCLUDING TRANSPORTATION, LOADING, UNLOADING, FINISHING, CLEANING, NUT BOLTING, SCREWING, BRACING, SCAFFOLDING REQUIRED AT EACH LEVEL UP TO HEIGHT OF 25 METERS ETC. COMPLETE.			
33.	Supply & Installing of White Bidspa Prime Single piece ITS-WHT 89853S300 floor mounted electric water closet (EWC) of size 450x780x550mm. With electrical fitting flush pipe water jet and necessary fitting including all required materials Remote control electronically operated water closet Dual wash function for front & rear Warm air dryer after wash Adjustable water flow and temperature Adjustable seat temperature Nozzle oscillation for complete cleaning Anti Bacterial seat & wash nozzle Auto Flush Deodorizer Night Light Multi functional Knob for washing massage Flushing and drying Smart safety alarm Option of washing and flushing without power, Of Make: Hans Grohe, Jaquar, Villeroy-boch, Including all leads lifts transportation and taxes etc. complete as directed by engineer incharge (item shall be as approved by project architect)	45.00	No	
34.	Supply & Fixing of white WC Statson wallvit Pan WC 'P' Trap-20010 of size 540x355x365 with soft close seat cover outlet-inlet Gasket kit half frame for concealed cistern 88008 with complete set with jaquar two way bib cock (ORP 10041pm) ALD-CHR573, Of Make: Simpolo, Vertex, Duravit, Toto, Including all leads lifts transportation and taxes etc. complete as directed by engineer incharge (item shall be as approved by project architect)	93.00	No	
			Total	

Total Amount in Rs. _____

Total Amount in Words Rs. _____

Signature & Seal of Contractor