SCHEDULE OF QUANTITIES

Name of Work : Construction of office Building for STPI at Mysore.SH: Additional and other Miscellaneous Works.

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
1	**SUB HEAD : EARTH WORK**				
1.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains **(not exceeding 1.5 m in width or 10 sqm on plan)**, including dressing of sides and ramming of bottoms, **for all lift**, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1.1	All kinds of soil	20.00	Cum	302.61	6052
1.2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	20.00	Cum	227.86	4557
2	**SUB HEAD : CEMENT CONCRETE WORK (CAST IN SITU)**				
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mmnominal size derived from natural sources)	2.50	Cum	7578.14	18945
2.1.2	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	2.00	Cum	9159.07	18318
3	**SUB HEAD : REINFORCED CEMENT CONCRETE**				
3.1	Centering and shuttering including strutting, propping etc. and removal of form for :				
3.1.1	Foundations, footings, bases of columns, etc. for mass concrete	5.00	sqm	455.89	2279
3.1.2	Lintels, beams, plinth beams, girders, bressumers and cantilevers	18.00	sqm	856.09	15410
3.1.3	Columns, Pillars, Piers, Abutments, Posts and Struts	18.00	sqm	1117.55	20116
3.2	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
3.2.1	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	3.00	Cum	10516.05	31548
3.3	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 :				
3.3.1.1	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	2.00	Cum	12616.99	25234

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
3.4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete at all level.				
3.4.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	501.00	Kg	125.38	62815
	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).	8.00	Sqm	349.29	2794
4	**SUB HEAD : MASONRY WORK**				
4.1	Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge.	3.00	Cum	9688.20	29065
5	**SUB HEAD : CLADDING WORK**				
5.1	Providing and fixing 18 mm 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 20 mm 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.				
5.1.1	Granite stone slab colour black, Cherry/Ruby red				
5.1.1.1	Area of slab over 0.50 sqm	1.40	Sqm	5971.16	8360
5.2	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black 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 : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	1.60	Sqm	1474.04	2358
5.3	Designing, fabricating, testing, installing and fixing in position **Curtain Wall with Aluminium Composite Panel Cladding**, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:				
	(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.				

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
	(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metalic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.				
	(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, 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 curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , 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. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	40.00	sqm	5830.20	233208
6	**SUB HEAD : WOOD AND P.V.C. WORK**				
6.1	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
6.1.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	13.00	sqm	4038.49	52500
6.2	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessaryaccessories and screws etc. complete.	13.00	Each	1142.95	14858
6.3	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.	8.00	Each	1160.62	9285
6.4	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
6.4.1	125 mm	2.00	each	138.57	277
6.4.1	100 mm	20.00	each	105.15	2103
6.5	Providing and fixing cupboard shutter with 19 mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2 mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge. (Payment of providing and fixing auto closing hinges shall be paid separately)	9.00	sqm	3289.12	29602
6.6	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.	38.00	each	316.21	12016
7	**SUB HEAD : STEEL WORK**				
7.1	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
7.1.1	Using M.S. angels 40x40x6 mm for diagonal braces	2.60	sqm	6747.79	17544
7.2	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
7.2.1	Hot finished welded type tubes	130.00	kg	226.00	29380
7.3	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.				
7.3.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	508.00	kg	200.65	101930
7.4	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.).	232.00	kg	897.95	208324
8	**SUB HEAD : FLOORING**				
8.1	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.				
8.1.1	40 mm thick with 20 mm nominal size stone aggregate	9.00	Sqm	714.03	6426

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
8.2	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
8.2.1	Double charge vitrified tile polished finish of size				
8.2.1.1	Size of Tile 600 x 600 mm	10.00	Sqm	1689.93	16899
8.3	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
8.3.1	Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent	200.00	sqm	5209.69	1041938
9	**SUB HEAD : ROOFING**				
9.1	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	16.00	sqm	858.71	13739
9.2	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
9.2.1	110 mm diameter	4.00	metre	438.74	1755
9.3	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
9.3.1	Bend 87.5°				
9.3.1.1	110 mm bend	2.00	each	174.79	350

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
9.4	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
9.4.1	110 mm	3.00	each	431.65	1295
9.5	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
9.5.1	Gutter (600 mm over all girth)	4.00	metre	1527.23	6109
10	**SUB HEAD : FINISHING**				
10.1	12 mm cement plaster of mix :				
10.1.1	1:6 (1 cement: 6 fine sand)	35.00	sqm	387.53	13564
10.2	15 mm cement plaster on rough side of single or half brick wall of mix:				
10.2.1	1:6 (1 cement: 6 fine sand)	35.00	sqm	445.25	15584
10.3	Finishing walls with Acrylic Smooth exterior paint of required shade :				
10.3.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	35.00	sqm	186.70	6535
10.4	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
10.4.1	On steel work	300.00	sqm	281.04	84312
10.5	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	35.00	Sqm	181.41	6349
10.6	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
106.1	Two coats.	35.00	sqm	166.01	5810
10.7	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
10.7.1	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	35.00	Sqm	85.97	3009
10.8	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	120.00	Sqm	29.24	3509
11	**SUB HEAD : REPAIRS TO BUILDING**				

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
11.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge				
11.1.1	With cement mortar 1:4 (1cement: 4 coarse sand)	20.00	sqm	651.60	13032
12	**SUB HEAD : DISMANTLING AND DEMOLISHING**				
12.1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
12.1.1	For thickness of tiles 10 mm to 25 mm	180.00	sqm	85.33	15359
12.2	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineerin-charge.	125.00	sqm	65.51	8189
13	**SUB HEAD : ROAD WORK**				
13.1	Providing and applying 2.5 mm thick road marking strips (retro-reflective) of specified shade/ colour for basement parking bays using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on concrete/RCC floor surface including cost of material, labour, T&P, cleaning the concrete surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	35.00	sqm	869.35	30427
14	**SUB HEAD : SANITARY INSTALLATION**				
14.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
14.1.1	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	2.00	each	2184.65	4369
14.2	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	2.00	each	1203.00	2406
14.3	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
14.3.1	Rectangular shape 453x357 mm	4.00	each	1583.15	6333
15	**SUB HEAD : WATER SUPPLY**				
15.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. : **Internal work - Exposed on wall**				
15.1.1	25 mm nominal dia Pipes	50.00	metre	466.82	23341

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
15.1.2	32 mm nominal dia Pipes	75.00	metre	603.07	45230
15.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. :**Concealed work, including cutting chases and making good the walls etc.**				
15.2.1	20 mm nominal dia .Pipes.	3.00	Metre	624.98	1875
15.3	Providing and fixing uplasticised PVC connection pipe with brass unions :				
15.3.1	45 cm length				
15.3.1.1	15 mm nominal bore	4.00	each	113.64	455
15.4	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
15.4.1	15mm nominal bore	4.00	each	667.65	2671
16	**ALUMINIUM WORK**				
16.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
16.1.1	For fixed portion				
16.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	18.00	kg	617.19	11109
16.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required **(Fittings shall be paid for separately)**				
16.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	16.00	kg	737.57	11801
16.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
16.2.1	Pre-laminated particle board with decorative lamination on both sides	2.00	Sqm	1296.70	2593

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
16.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
16.3.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	11.00	Sqm	1749.91	19249
16.4	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
16.1.4	Upto 5mm depth and 5 mm width	18.00	metre	112.48	2025
17	**SUB HEAD : WATER PROOFING**				
17.1	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50 mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.				
17.1.1	For vertical surface two coats @ 0.70 kg per sqm per coat	10.00	Sqm	549.77	5498
17.1.2	For horizontal surface one coat @1.10 kg per sqm.	2.00	Sqm	421.77	844
18	**SUB HEAD : NON-SCHEDULED ITEMS**				
18.1	Providing and fixing stainless steel Towel ring square with round flange **(Jaguar make Model-ACN-1121N or equivalent)** including fixing materials like screw etc complete as per the direction of Engineer-in-charge.	2.00	Each	1197.35	2395
18.2	Providing and fixing white/smoke colored push bottom soap dispenser of capacity min. 0.8L **(Jaguar make Model -SDR-WHT-DJ0010FN or equivalent)** including fixing materials like screw etc complete as per the direction of Engineer-in-charge.	4.00	Each	1063.55	4254

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
18.3	Providing and fixing Table Top Basin of size 420x420x155 mm, Shape: square, **(Jaguar make Model- CNS-WHT-905 or equivalent)** with a single 15 mm C.P. brass pillar tap **(Jaguar make Model-FUS-29001 or equivalent)** with CP Waste coupling 32mm Size **(Jaguar make Model-ALD-709 or equivalent)** with all its fittings, including painting of fittings and brackets, cutting and making good the walls and floor wherever require: as per directions of Engineer-in-Charge.	2.00	Each	4965.60	9931
18.4	Providing and fixing on wall face unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
18.4.1	75mm nominal dia Pipes	20.00	metre	332.30	6646
18.5	Providing and fixing 75mm unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion				
18.5.1	75mm SWR 90° Bend	4.00	each	84.20	337
18.5.2	75mm SWR 90° Door Bend	2.00	each	99.10	198
18.5.3	75mm SWR Door Tee	2.00	each	130.60	261
18.6	Providing and fixing Stainless steel **ozone make(Product Code- ODA-DMDS-KD3-SS)** or equivalent Door Mounted Door Stopper with Rubber Foot of required colour and shade, with necessary screws etc. complete all as per the directions of Engineer-in-Charge	2.00	each	335.05	670
18.7	Supplying and spreading stone aggregate of 40 mm nominal size for a depth of 100 mm on levelled surface inside DG set yard as required for for all leads including all lifts as per directions of Engineer-in-Charge.	9.00	cum	2511.70	22605

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
18.8	Providing and fixing at all height exterior grade aluminium baffle false ceiling comprising Credence Cirrus Baffle Ceiling System or equivalent, consisting of 50 mm wide × 100 mm deep U-shaped aluminium baffles fabricated from 0.7 mm thick aluminium sheet with plain solid colour PVDF/powder-coated finish (minimum 60 microns) on the exposed face. Baffles shall be factory manufactured in lengths up to 3000 mm and shall possess high corrosion resistance, UV stability and colour retention suitable for exterior applications. The baffles shall be installed with a 100 mm clear gap between adjacent panels.The baffles shall be securely fixed to 50 mm wide × 20 mm deep roll-formed G.I. carriers fabricated from 0.75 mm thick powder-coated galvanized steel sheet, having pre-punched slots/cut-outs to receive the baffles at 150 mm module. The carriers shall be spaced at maximum 1200 mm centres and suspended from the existing RCC slab/steel roof structure/truss using 6 mm diameter galvanized threaded rod hangers with adjustable suspension arrangement, fixed by approved J-hooks, cleats, ceiling brackets, clamps or anchor fasteners as required to suit the supporting structure.The baffles shall be fixed to the carriers using manufacturer's approved inner caps, outer caps, clips and nut-bolt arrangements. Top caps and end caps shall be provided to neatly close all exposed edges and panel ends. All accessories including suspension system, connectors, cleats, brackets, fasteners, stainless	125.00	sqm	9551.50	1193938
18.9	Providing edge moulding to 8-12 mm thick Vitrified tile flooring , including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	266.00	metre	101.10	26893
18.10	Precast cement concrete solid block masonry work with blocks size of 400X200X200 mm having minimum compressive strength not less than 50 kg per cm sq. in foundation and plinth				
18.10.1	Cement mortar 1:6 (1 Portland pozzolona cement: 6 coarse sand)	3.00	Cum	6972.50	20918
18.11	Removing existing automatic glass sliding door including toughened glass shutters, aluminium framing, guide rails, motor, controller, sensors and all accessories carefully without damage, stacking the dismantled components safely, and refixing the same after completion of civil works, including alignment, adjustment, testing, commissioning, replacement of minor consumables such as screws, anchors and sealant, complete in all respects.	38.00	Sqm	1014.00	38532
18.12	Providing, supplying and placing **Wipro make or equivalent** cafeteria chairs of approved model, design and colour, comprising ergonomically designed moulded polypropylene seat and backrest mounted on a stainless steel (SS 304) tubular frame with brushed/matt finish, complete with anti-skid PVC/nylon floor protectors, all necessary fittings and accessories as per manufacturer's specifications. The item includes loading, transportation, unloading, placing in position and making ready for use, complete in all respects as approved by the Engineer-in-Charge.				

I	Nil	
O	Nil	
C	Nil	AE(P) / EE

Sl.No.	DESCRIPTION	QTY	UNIT	Rate	AMOUNT
	(Important Note:- Agency must engage a spealized manufatures for procurement and installation of chairs in the site. Also, the chair colour and design to be get approved from the Engineer-in-charge before installation at site. Total warranty of 5 Years for all chairs, fittings and fixtures to be given. Noting shall be payable extra in account of this Important notes)	80	Nos	6405.90	512472
18.13	Providing, supplying and placing **Wipro make or equivalent** 4-seater cafeteria table of size 1200 mm × 600 mm, comprising pre-laminated wooden top with PVC edge banding, supported on a stainless steel (SS 304) centre pedestal/frame of approved design and finish, complete with all fittings, fasteners, levelling arrangement and accessories as per manufacturer's specifications. The item includes loading, transportation, unloading and placing in position, complete in all respects as approved by the Engineer-in-Charge.				
	(Important Note:- Agency must engage a spealized manufatures for procurement and installation of tables in the site. Also, the tables colour and design to be get approved from the Engineer-in-charge before installation at site. Total warranty of 5 Years for all chairs, fittings and fixtures to be given. Noting shall be payable extra in account of this Important notes)	20	Nos	19217.80	384356
18.14	Providing and fixing exterior grade acrylic signage board of approved size comprising 5 mm thick clear acrylic sheet background with 8 mm thick laser-cut acrylic letters/logo in approved colours, fixed to the wall using SS 304 stud spacers with all necessary fittings and fixtures. The work shall include laser/CNC cutting, edge polishing, fabrication, transportation, installation, alignment, fixing, making good the disturbed surface , complete in all respects as approved by the Engineer-in-Charge.	0.90	sqm	16548.80	14894
18.15	Providing and fixing exterior grade acrylic signage board of approved size comprising 3 mm thick Aluminium Composite Panel (ACP) background mounted on 25 mm × 25 mm (1") MS tubular frame, with 8 mm thick laser-cut acrylic letters/logo in approved colours, fixed to the wall using SS 304 stud spacers with all necessary fittings and fixtures. The work shall include fabrication of tubular frame, CNC routing, edge polishing, transportation, installation, alignment, fixing, making good the disturbed surface works, complete in all respects as approved by the Engineer-in-Charge.	2.30	sqm	16548.80	38062
				Total	**4670229**

सहायक अभियंता (यो)
मै.कें.मं, कें.लो.नि.वि, मैसूर

कार्यपालक अभियंता
मै.कें.मं, कें.लो.नि.वि, मैसूर

I	Nil	
O	Nil	
C	Nil	AE(P) / EE