

**DETAILED BILL OF QUANTITIES FOR THE PROPOSED CONSTRUCTION OF COMMERCIAL BUILDING FOR KSSFC AT MYSURU.**

**SCHEDULE B - CIVIL**

**Cement : Zuari 43 OPC, Koramandal 43 OPCC, ACC, Ramco, Chattinad cement to be used**

**TMT Steel : TATA,Vizag, JSW to be used**

SI No		Description	Qty	Unit	Rate	Amount
<b>BASEMENT FLOOR</b>						
1	Item Code: Item No 1.14 Pag no 8 Vol-1	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.				
i	1.14	In all kinds of soils depth up to 3M				
		Note: Cost of De-watering upto 5 % of (A+B) may be added, where required assessment for dewatering shall be made as per site condition				
			<b>629.84</b>	<b>Cum</b>		
2	Item Code: Item No 1.4 Pag no 5 Vol-1	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings & bridges and such similar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.				
i	1.4.2	Depth exceeding 1.5m, but not exceeding 3 m				
		Note: Cost of De-watering upto 10 % may be added , where required assessment for dewatering shall be made as per site condition				
		For Column footing,Retaing wall footing				
			<b>363.65</b>	<b>Cum</b>		
3	Item No 1.4.3 Pag no 6 Vol-1	Depth exceeding 3m, but not exceeding 4.5 m				
		Note: Cost of De-watering upto 10 % may be added, where required assessment for dewatering shall be made as per site condition				
			<b>75.85</b>	<b>Cum</b>		
4	Item Code: Item No 1.9 Pag no 7 Vol-1	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.				
			<b>1260.30</b>	<b>Cum</b>		
4a	Item Code: Item No 1.5 Pag no 6 Vol-1	Earth work excavation by manual means for drains,canals, waste weir draft,approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work.				
		In ordinary/soft rock without blasting upto 1.5 m depth				
			<b>0.00</b>	<b>Cum</b>		

5	Item Code: Item No 2.1 Pag no 15 Vol-1	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications.				
i	2.1.2	Mix 1:4:8 Using 40 mm nominal size graded crushed coarse aggregates				
			<b>58.12</b>	<b>Cum</b>		
6	Item Code: Item No 2.2 Pag no 15 Vol-1	Providing and laying in position Cement Concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications.				
	2.2.3	M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates				
		<b>For Column footing</b>				
			<b>126.50</b>	<b>cum</b>		
6i		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, <b>footings</b> , bases of columns for mass concrete including cost of all materials, labour complete as per specifications.				
		Retaining wall footing and footing				
			<b>245.69</b>	<b>SQM</b>		
		<b>For RCC Column up to basement floor(including shuttering)</b>				
			<b>2.79</b>	<b>Cum</b>		
		<b>For Plinth beam</b>				
			<b>13.12</b>	<b>Cum</b>		
		Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications				
			<b>120.82</b>	<b>SQM</b>		
7	Item Code: Item No 2.3 Pag no 15 Vol-1	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical pecifications.				
	2.3.2	M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates				
		<b>For columns</b>				
			<b>9.07</b>	<b>Cum</b>		
		<b>For Roof beams</b>				
			<b>31.75</b>	<b>Cum</b>		
		<b>RCC Roof slab</b>				
			<b>34.12</b>	<b>Cum</b>		
		<b>For RCC Staircase</b>				
			<b>3.62</b>	<b>Cum</b>		
		<b>Retaining wall</b>				
			<b>64.69</b>	<b>Cum</b>		

7i		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications.				
		For columns,Beams,roof,staircase,retaining wall				
			<b>1094.00</b>	<b>SQM</b>		
8	Item Code: Item No 2.11 Pag no 18 Vol-1	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification (JSW, TATA Make)				
			<b>21.91</b>	<b>MT</b>		
9	Item Code: Item No 4.1 Pag no 5 Vol-2	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits with Chlorpyrifos 20% E.C. / Lindane 20% E.C. @ 3.19 l/m2 including cost of chemical, diluting in water to one percent concentration, labour, usage charges of machinery, complete as per specifications.				
		Site area	<b>462.52</b>	<b>Sqm</b>		
10	Item Code: Item No 6.32 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.				
			<b>16.20</b>	<b>Sqm</b>		
11	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster for ceiling with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Architect-in-charge.				
			<b>394.70</b>	<b>Sqm</b>		
12	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.				
		Wall internal				
			<b>200.10</b>	<b>Sqm</b>		
13	Item Code: Item No 8.3.2 Pag no 41 Vol-2	Providing 20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.				
		wall external				
			<b>110.46</b>	<b>Sqm</b>		
14	Item Code: Item No 8.27 Pag no 45 Vol-2	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
		Wall inner				

			<b>200.10</b>	<b>Sqm</b>		
15	Item Code: Item No 8.31 Pag no 46 Vol-2	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives with pure Acrylic Resin, UV resistant, dirt & pick up resistant, Alkali & Water resistant of required shade: New work (Two coats applied @ 1.43 L/10 m <sup>2</sup> over and including priming coat of exterior primer applied @ 2.20 kg/10 m <sup>2</sup> ) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-				
		wall external				
			<b>110.46</b>	<b>Sqm</b>		
16	Item Code: Item No 8.34.3 Pag no 47 Vol-2	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
		Rolling shutter				
			<b>9.58</b>	<b>Sqm</b>		
17	Item Code: Item No 8.40 Pag no 48 Vol-2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
		Rolling shutter				
			<b>9.58</b>	<b>Sqm</b>		
18	Item Code: Item No 8.51 Pag no 50 Vol-2	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 as per specifications and as per directions of Engineer in charge.				
		Wall inner				
			<b>200.10</b>	<b>Sqm</b>		
19	Item Code: Item No 8.54.2 Pag no 50 Vol-2	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 g/L, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats as per specifications and as per directions of Engineer in charge.				
		Wall inner				
			<b>200.10</b>	<b>Sqm</b>		
20	Item Code: Item No 9.12.2 Pag no 60 Vol-2	Providing and laying vitrified floor tiles with thickness 9-10 mm in different sizes with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m <sup>2</sup> including grouting the joints with white cement and matching pigments etc., complete.				
		Flooring				
		skirting				
			<b>221.05</b>	<b>Sqm</b>		
21	Item Code: Item No 9.30 Pag no 64 Vol-2	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.				
		Staircase GF to FF				
		Landing				
			<b>12.17</b>	<b>Sqm</b>		

21a		Making and finishing Half round for 20mm granite as per detail	26.00	RMT		
21b		Making and finishing edge polish for 20mm granite as per detail	RO	RMT		
21b		Making and finishing Champering for 20mm granite as per detail	RO	RMT		
21b		Making and finishing Full round polish for 20mm granite as per detail	RO	RMT		
22	Item Code: Item No 10.18 Pag no 71 Vol-2	Providing and fixing of wall cladding using 20mm thick gang saw granite, grey granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.				
		Lift granite clading				
			5.09	Sqm		
23	Item Code: Item No 11.6.1 Pag no 78 Vol-2	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.				
		Rolling shutter				
			9.58	Sqm		
24	Item Code: Item No 11.28 Pag no 85 Vol-2	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 tc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.				
		Staircase railing				
		Internal stairs				
			5.22	Sqm		
		Avg 8KG/SQM	41.76	KG		

25	Item Code: Item No 15.27 Pag no 156 Vol-2	Providing Waterproof treatment to Retaining Wall using 2 coats of Acrylic co-polymer elastomeric sealer & protector. The surface shall be prepared free of tar, dust, fungus, loose particles etc., The surface shall be applied with basecoat of healer sealer crystallization liquid and wetting agent, acrylic polymer and water in proportion 1:1:1:8 over the prepared surface. In addition, making haunch at junction of wall and Slab, all construction joints will be opened and plugged using High Alumina Cement followed by port fixing & injection grouting using acrylic polymer & waterproofing slurry. Over this 1 layer of SBS membrane will be laid as reinforcing material followed by antidampness coating using one coat of Acrylic co-polymer elastomeric sealer & protector liquid will be applied over this - conforming to IS 16471:2017 Type A, requirements of UG waterproofing structures. The work shall be carried out as per the directions of the				
		Wall external				
			157.80	Sqm		
26	Item Code: Item No 15.23 Pag no 155 Vol-2	Providing & Applying Crystalline waterproofing slurry coat RCC structure like Retaining wall, Underground tank. The material having chemical resistance properties, seals shrinkage cracks up to 0.4 mm width, capable of preventing water dampness & seepages, Water permeability is Nil confirms to BS EN 12390 Part 8: 2000. Powder to water mixed at a ratio (5:2) 5 parts powder and 2 parts water, applied @ 1.5kg/m <sup>2</sup> in 2 coats to achieve 1.0mm DFT on a cleaned surface free from all loose materials etc., complete. The finished cost to include surface preparation completely as per specification.				
		UG sump	42.24	Sqm		
<b>TOTAL COST BASEMENT</b>						
<b>GROUND FLOOR</b>						
1	Item Code: Item No 2.1 Pag no 15 Vol-1	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications.				
	2.1.6	Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregates				
			1.91	Cum		
2	Item Code: Item No 2.5 Pag no 16 Vol-1	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.				
	2.5.2	For columns				
			6.24	Cum		

		Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications.				
		<b>For columns</b>				
			<b>82.89</b>	<b>SQM</b>		
2.5.2		<b>For RCC Lintel</b>				
			<b>2.71</b>	<b>Cum</b>		
		Providing and removing centering, shuttering, strutting, propping etc.,and removal of form work for sides and soffits of beams, beam haunchings,cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification				
		lintle				
			<b>38.91</b>	<b>SQM</b>		
2.5.2		<b>For Roof beams</b>				
			<b>27.20</b>	<b>Cum</b>		
		Providing and removing centering, shuttering, strutting, propping etc.,and removal of form work for sides and soffits of beams, beam haunchings,cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification				
		Beams				
			<b>190.53</b>	<b>SQM</b>		
2.5.2		<b>RCC Roof slab</b>				
			<b>36.24</b>	<b>Cum</b>		
		Providing and removing centring,shuttering ,strutting,propping etc and removal of form work for flat surface such as suspended floors, roofs,landings, balconies, and likes, thickness upto 200mm including cost of all materials, labour complete as per specification. Specification NO. KBS 4.6.2(P - 16, I - 4.29)				
		Roof slab				
			<b>241.51</b>	<b>SQM</b>		
2.5.2		<b>For RCC Staircase</b>				
			<b>2.88</b>	<b>Cum</b>		
		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification .				
			<b>20.90</b>	<b>SQM</b>		
3	Item Code: Item No 2.11 Page no 18 Vol-1	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification (JSW, TATA Make)				
			<b>9.38</b>	<b>MT</b>		
4	Item Code: Item No 6.32 Page no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.				
			<b>205.94</b>	<b>Sqm</b>		

5	Item Code: Item No 6.33 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per				
			<b>120.38</b>	<b>Sqm</b>		
6	Item Code: Item No 6.34 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.				
			<b>5.04</b>	<b>Sqm</b>		
7	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster for ceiling with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Architect-in-charge.				
			<b>245.27</b>	<b>Sqm</b>		
8	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Architect-in-charge.				
			<b>416.94</b>	<b>Sqm</b>		
9	Item Code: Item No 8.3.2 Pag no 41 Vol-2	Providing 20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Architect-in-charge.				
			<b>491.43</b>	<b>Sqm</b>		
10	Item Code: Item No 8.27 Pag no 45 Vol-2	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Architect-in-charge.				
			<b>281.77</b>	<b>Sqm</b>		
11	Item Code: Item No 8.31 Pag no 46 Vol-2	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives with pure Acrylic Resin, UV resistant, dirt & pick up resistant, Alkali & Water resistant of required shade: New work (Two coats applied @ 1.43 L/10 m <sup>2</sup> over and including priming coat of exterior primer applied @ 2.20 kg/10 m <sup>2</sup> ) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Architect-in-Charge				
			<b>491.43</b>	<b>Sqm</b>		

12	Item Code: Item No 8.34.3 Pag no 47 Vol-2	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Architect-in-charge.				
		<b>GF</b>				
			<b>59.80</b>	<b>Sqm</b>		
13	Item Code: Item No 8.40 Pag no 48 Vol-2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Architect-in-charge.				
		<b>GF</b>				
			<b>59.80</b>	<b>Sqm</b>		
14	Item Code: Item No 8.51 Pag no 50 Vol-2	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 as per specifications and as per directions of Architect in charge.				
			<b>281.77</b>	<b>Sqm</b>		
15	Item Code: Item No 8.54.2 Pag no 50 Vol-2	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 g/L, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats as per specifications and as per directions of Architect in charge.				
			<b>281.77</b>	<b>Sqm</b>		
16	Item Code: Item No 8.82 Pag no 54 Vol-2	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 no. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required				
		<b>D1</b>	<b>6.00</b>	<b>Sqm</b>		
17	Item Code: Item No 9.21 Pag no 62 Vol-2	Providing and laying Vitrified tiles with thickness 9-10 mm in floor with different sizes with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
	9.21.5					

			<b>181.41</b>	<b>Sqm</b>		
18	Item Code: Item No 9.12 Pag no 60 Vol-2	Providing and laying vitrified floor tiles with thickness 9-10 mm in different sizes with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete.				
	9.12.2		<b>38.61</b>	<b>Sqm</b>		
19	Item Code: Item No 10.14 Pag no 71 Vol-2	Providing and fixing 1st 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/m2, including pointing in white cement mixed with pigment of matching shade complete.				
			<b>139.91</b>	<b>Sqm</b>		
20	Item Code: Item No 9.20 Pag no 62 Vol-2	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Architect-in-charge.				
	9.20.2		<b>168.52</b>	<b>Sqm</b>		
21	Item Code: Item No 9.30 Pag no 64 Vol-2	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.				
			<b>45.46</b>	<b>Sqm</b>		
21a		Making and finishing Half round for 20mm granite as per detail	<b>26.00</b>	<b>RMT</b>		
21b		Making and finishing edge polish for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
21b		Making and finishing Champering for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
21b		Making and finishing Full round polish for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
22	Item Code: Item No 10.18 Pag no 71 Vol-2	Providing and fixing of wall cladding using 20mm thick gang saw granite, in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.				
			<b>5.09</b>	<b>Sqm</b>		

23	Item Code: Item No 10.15 Pag no 71 Vol-2	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for Brick/Rcc/stone walls & columns/beams with necessary aluminium frame works at required level made out of 50x25x4mm C section or equivalent. The panel should consist of 3mm thick non-halogenated FR grade mineral based polymer ( 2 hrs fire resistance as per ASTM E119-12 and clause B, S1, do as per ENT 13501-1 sandwiched between 0.50 skins thick aluminium sheet making a total panel thickness of 4mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done with necessary rods etc., complete				
			<b>41.17</b>	<b>Sqm</b>		
24	Item Code: Item No 11.6.1 Pag no 78 Vol-2	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Architect-in-charge.				
			<b>21.00</b>	<b>Sqm</b>		
25	Item Code: Item No 11.8.1 Pag no 78 Vol-2	Extra for providing mechanical device chain and crank operation for operating rolling shutters: Exceeding 10.00 m <sup>2</sup> and upto 16.80 m <sup>2</sup> in the area including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in- Charge.				
			<b>21.00</b>	<b>Sqm</b>		
26	Item Code: Item No 11.28 Pag no 85 Vol-2	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 tc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Architect-in-charge.				
		<b>Avg 8KG/SQM</b>	<b>91.44</b>	<b>KG</b>		
27	Item Code: Item No 11.34.B Pag no 86 Vol-2	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 openings /wooden frames with rawl plugs screws etc.				
			<b>38.80</b>	<b>Sqm</b>		
			<b>667.36</b>	<b>Kg</b>		

28	Item Code: Item No 11.52 Pag no 94 Vol-2	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Architect-in-charge (Door handle, lock and stopper etc. to be paid separately) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Architect-in-charge.				
		<b>Doors</b>				
			<b>11.58</b>	<b>Kg</b>		
29	Item Code: Item No 12.13.1 Pag no 100 Vol-2	Providing red Salwood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.				
			<b>0.06</b>	<b>CUM</b>		
30	Item Code: Item No 12.51 Pag no 104 Vol-2	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.				
			<b>4</b>	<b>NO</b>		
31	Item Code: Item No 12.57 Pag no 105 Vol-2	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame around door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.				
	12.57.1	do- 30 mm thick Both side teak				
			<b>2.4</b>	<b>Sqm</b>		
32	Item Code: Item No 12.74 Pag no 107 Vol-2	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
			<b>12</b>	<b>NO</b>		
33	Item Code: Item No 12.76.1 Pag no 107 Vol-2	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
			<b>8</b>	<b>NO</b>		
34	Item Code: Item No 12.58 Pag no 105 Vol-2	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.				
			<b>1</b>	<b>NO</b>		
35	Item Code: Item No 12.6 Pag no 105 Vol-2	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.				
			<b>1</b>	<b>NO</b>		

36	Item Code: Item No 12.62 Pag no 105 Vol-2	Providing and fixing chromium plated brass handles of 100/125 mm with necessary screws etc. complete				
			<b>8</b>	<b>NO</b>		
37	Item Code: Item No 12.89 Pag no 110 Vol-2	Providing & fixing of 2.5 track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 94mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 58mm with GI reinforcement of 1.5mm and mesh sash of size 25mm x 42mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 1819mm x 1819mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)				
			<b>38.80</b>	<b>Sqm</b>		
38	Item Code: Item No 12.93 Pag no 111 Vol-2	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibres (wood powder/rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 g) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 850 kg/m3, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2 , modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-InCharge. (Fixtures shall be paid for separately)				
			<b>17.4</b>	<b>M</b>		
39	Item Code: Item No 12.94 Pag no 111 Vol-2	Providing and fixing factory made Green certified, Anti Termite, UV resistant,high water absorbant single extruded WPC (Wood PolymerComposite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers(wood powder/rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 g) having minimum density of 650 kg/m3 andscrew withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength of 50 N/mm2 , modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws The cost includes cost of materials, transportation, labour and fixing charges.(Cost of Fixtures to be paid separately)				
	12.94.1	30mm thickness	7.20			
			<b>7.20</b>	<b>Sqm</b>		

40	Item Code: Item No 15.10 Pag no 149 Vol-2	Providing and Applying CFTRI approved two component flexible polymermodified acrylic cementitious waterproofing coating with a mix ratio of(1 Liquid: 2 Powder), to the RCC surface like bathroom, toilet, balcony & utility area applied @ 1.7kg/m2 in 2 coats to achieve 1mm DFT, having Elongation at break >50% as per ASTM D 412, Tensile strength >1N/mm2 as per ASTM D 412, Adhesion strength: 0.80 N/mm2 as per ASTM D 4541, crack bridging upto 1mm as per ASTM C 836, Water penetration(5 bar pressure) as per BS EN 12390. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 45 gsm glass fibre mesh over the angle fillet when the first coat is still wet, treatment of cracks completely as per specification.				
			<b>41.93</b>	<b>Sqm</b>		
41	Item code: Item No 5.2 Pag no 9 Vol-2	Providing Coursed rubble masonry (first sort) with hard stone in foundation and plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)				
			<b>24.69</b>	<b>CUM</b>		
42	Item code: Item No 9.25 Pag no 63 Vol-2	Providing and laying 60mm thick factory made cement concrete paver block of approved shape and colour of M -30 grade made of C&D waste by block making machine with vibratory compaction laid in required pattern and including over 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.				
			<b>145.11</b>	<b>SQM</b>		
43		Providing fabricating and fixing 50X100 powder coated aluminum tubes @ 150mm C/C for elevation grill as per detail				
			<b>31.73</b>	<b>SQM</b>		
<b>TOTAL COST GROUND FLOOR</b>						
<b>FIRST FLOOR</b>						
1	Item Code: Item No 2.1 Pag no 15 Vol-1	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications.				
	2.1.6	Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregates				
		Cill and coping				
			<b>1.51</b>	<b>Cum</b>		
2	Item Code: Item No 2.5 Pag no 16 Vol-1	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.				
			<b>6.24</b>	<b>Cum</b>		

		Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications.				
			<b>82.89</b>	<b>SQM</b>		
		<b>For Lintels</b>	<b>3.29</b>	<b>Cum</b>		
		Providing and removing centering, shuttering, strutting, propping etc.,and removal of form work for sides and soffits of beams, beam haunchings,cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification				
			<b>47.32</b>	<b>SQM</b>		
		<b>For Roof beams</b>				
			<b>27.20</b>	<b>Cum</b>		
		Providing and removing centering, shuttering, strutting, propping etc.,and removal of form work for sides and soffits of beams, beam haunchings,cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification				
			<b>190.53</b>	<b>SQM</b>		
		<b>RCC Roof slab</b>				
			<b>32.06</b>	<b>Cum</b>		
		Providing and removing centring,shuttering ,strutting,propping etc and removal of form work for flat surface such as suspended floors, roofs,landings, balconies, and likes, thickness upto 200mm including cost of all materials, labour complete as per specification. Specification NO. KBS 4.6.2(P - 16, I - 4.29)				
			<b>213.66</b>	<b>SQM</b>		
		<b>For RCC Staircase</b>				
			<b>2.88</b>	<b>Cum</b>		
		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification .				
			<b>16.43</b>	<b>SQM</b>		
3	Item Code: Item No 2.11 Pag no 18 Vol-1	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification (JSW, TATA Make)				
			<b>8.93</b>	<b>MT</b>		
4	Item Code: Item No 6.32 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.				
		<b>Horizontal wall</b>				
			<b>144.75</b>	<b>Sqm</b>		

5	Item Code: Item No 6.33 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per				
		<b>Horizontal wall</b>				
			<b>41.02</b>	<b>Sqm</b>		
6	Item Code: Item No 6.34 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.				
		<b>First floor window fin wall</b>				
			<b>10.44</b>	<b>Sqm</b>		
7	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster for ceiling with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Architect-in-charge.				
			<b>224.50</b>	<b>Sqm</b>		
8	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.				
			<b>552.25</b>	<b>Sqm</b>		
9	Item Code: Item No 8.3.2 Pag no 41 Vol-2	Providing 20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.				
		<b>External plaster</b>				
			<b>370.49</b>	<b>Sqm</b>		
10	Item Code: Item No 8.27 Pag no 45 Vol-2	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
			<b>461.85</b>	<b>Sqm</b>		
11	Item Code: Item No 8.31 Pag no 46 Vol-2	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives with pure Acrylic Resin, UV resistant, dirt & pick up resistant, Alkali & Water resistant of required shade: New work (Two coats applied @ 1.43 L/10 m <sup>2</sup> over and including priming coat of exterior primer applied @ 2.20 kg/10 m <sup>2</sup> ) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-				

			<b>370.49</b>	<b>Sqm</b>		
12	Item Code: Item No 8.34.3 Pag no 47 Vol-2	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
		<b>FF</b>				
			<b>41.59</b>	<b>Sqm</b>		
13	Item Code: Item No 8.40 Pag no 48 Vol-2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
		<b>FF</b>				
			<b>41.59</b>	<b>Sqm</b>		
14	Item Code: Item No 8.51 Pag no 50 Vol-2	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 as per specifications and as per directions of Engineer in charge.				
			<b>461.85</b>	<b>Sqm</b>		
15	Item Code: Item No 8.54.2 Pag no 50 Vol-2	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 g/L, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats as per specifications and as per directions of Engineer in charge.				
			<b>461.85</b>	<b>Sqm</b>		
16	Item Code: Item No 8.82 Pag no 54 Vol-2	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 no. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed				
		D1	<b>12.00</b>	<b>Sqm</b>		
17	Item Code: Item No 9.21 Pag no 62 Vol-2	Providing and laying Vitrified tiles with thickness 9-10 mm in floor with different sizes with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
			<b>210.23</b>	<b>Sqm</b>		

18	Item Code: Item No 9.12 Pag no 60 Vol-2	Providing and laying vitrified floor tiles with thickness 9-10 mm in different sizes with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete.				
			<b>30.17</b>	<b>Sqm</b>		
19	Item Code: Item No 10.14 Pag no 71 Vol-2	Providing and fixing 1st 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/m2, including pointing in white cement mixed with pigment of matching shade complete.				
		<b>Wall dado</b>				
			<b>94.70</b>	<b>Sqm</b>		
20	Item Code: Item No 9.20 Pag no 62 Vol-2	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.				
	9.20.2					
			<b>108.97</b>	<b>Sqm</b>		
21	Item Code: Item No 9.30 Pag no 64 Vol-2	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.				
			<b>12.17</b>	<b>Sqm</b>		
21a		Making and finishing Half round for 20mm granite as per detail	<b>26.00</b>	<b>RMT</b>		
21b		Making and finishing edge polish for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
21b		Making and finishing Champering for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
21b		Making and finishing Full round polish for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
22	Item Code: Item No 10.18 Pag no 71 Vol-2	Providing and fixing of wall cladding using 20mm thick gang saw granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.				
			<b>5.09</b>	<b>Sqm</b>		

23	Item Code: Item No 11.28 Pag no 85 Vol-2	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 tc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.				
		Staircase railing				
		Avg 8KG/SQM	<b>41.76</b>	<b>KG</b>		
24	Item Code: Item No 11.34.B Pag no 86 Vol-2	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 openings /wooden frames with rawl plugs screws etc.				
		<b>FF</b>				
			<b>41.59</b>	<b>Sqm</b>		
			<b>715.35</b>	<b>Kg</b>		
25	Item Code: Item No 11.52 Pag no 94 Vol-2	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.				
		<b>Doors</b>				
			<b>14.20</b>	<b>Kg</b>		
26	Item Code: Item No 12.13.1 Pag no 100 Vol-2	Providing red Salwood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.				
			<b>0.17</b>	<b>CUM</b>		
27	Item Code: Item No 12.51 Pag no 104 Vol-2	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.				
			<b>7</b>	<b>NO</b>		
28	Item Code: Item No 12.57 Pag no 105 Vol-2	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame around door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door using liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.				
	12.57.1	do- 30 mm thick Both side teak				
			<b>7.2</b>	<b>Sqm</b>		

29	Item Code: Item No 12.74 Pag no 107 Vol-2	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
			<b>21</b>	<b>NO</b>		
30	Item Code: Item No 12.76.1 Pag no 107 Vol-2	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
			<b>14</b>	<b>NO</b>		
31	Item Code: Item No 12.58 Pag no 105 Vol-2	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.				
			<b>3</b>	<b>NO</b>		
32	Item Code: Item No 12.6 Pag no 105 Vol-2	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.				
			<b>3</b>	<b>NO</b>		
33	Item Code: Item No 12.62 Pag no 105 Vol-2	Providing and fixing chromium plated brass handles of 100/125 mm with necessary screws etc. complete				
			<b>8</b>	<b>NO</b>		
34	Item Code: Item No 12.89 Pag no 110 Vol-2	Providing & fixing of 2.5 track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 94mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 58mm with GI reinforcement of 1.5mm and mesh sash of size 25mm x 42mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 1819mm x 1819mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)				
			<b>41.57</b>	<b>Sqm</b>		
35	Item Code: Item No 12.93 Pag no 111 Vol-2	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibres (wood powder/rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 g) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 850 kg/m <sup>3</sup> , screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm <sup>2</sup> , modulus of elasticity 900 N/mm <sup>2</sup> and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-InCharge. (Fixtures shall be paid for separately)				

			<b>23.2</b>	<b>M</b>		
36	Item Code: Item No 12.94 Pag no 111 Vol-2	Providing and fixing factory made Green certified, Anti Termite, UV resistant, high water absorbant single extruded WPC (Wood PolymerComposite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 g) having minimum density of 650 kg/m3 and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength of 50 N/mm2 , modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws The cost includes cost of materials, transportation, labour and fixing charges.(Cost of Fixtures to be paid separately)				
			<b>9.6</b>	<b>Sqm</b>		
37	Item Code: Item No 15.10 Pag no 149 Vol-2	Providing and Applying CFTRI approved two component flexible polymer modified acrylic cementitious waterproofing coating with a mix ratio of (1 Liquid: 2 Powder), to the RCC surface like bathroom, toilet, balcony & utility area applied @ 1.7kg/m2 in 2 coats to achieve 1mm DFT, having Elongation at break >50% as per ASTM D 412, Tensile strength >1N/ mm2 as per ASTM D 412, Adhesion strength: 0.80 N/mm2 as per ASTM D 4541, crack bridging upto 1mm as per ASTM C 836, Water penetration (5 bar pressure) as per BS EN 12390. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 45 gsm glass fibre mesh over the angle fillet when the first coat is still wet, treatment of cracks completely as per specification.				
			<b>23.29</b>	<b>Sqm</b>		
<b>TOTAL COST FIRST FLOOR</b>						
<b>SECOND FLOOR</b>						
1	Item Code: Item No 2.1 Pag no 15 Vol-1	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications.				
	2.1.6	Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregates				
			<b>7.72</b>	<b>Cum</b>		

2	Item Code: Item No 2.5 Pag no 16 Vol-1	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.				
			4.29	Cum		
		Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications.				
			56.97	SQM		
		<b>For RCC Lintel</b>				
			1.66	Cum		
		Providing and removing centering, shuttering, strutting, propping etc.,and removal of form work for sides and soffits of beams, beam haunchings,cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification				
			24.12	SQM		
		<b>For Roof beams</b>				
			16.66	Cum		
		Providing and removing centering, shuttering, strutting, propping etc.,and removal of form work for sides and soffits of beams, beam haunchings,cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification				
			113.23	SQM		
		<b>RCC Roof slab</b>				
			19.95	Cum		
		Providing and removing centring,shuttering ,strutting,propping etc and removal of form work for flat surface such as suspended floors, roofs,landings, balconies, and likes, thickness upto 200mm including cost of all materials, labour complete as per specification. Specification NO. KBS 4.6.2(P - 16, I - 4.29)				
			133.04	SQM		
		<b>For RCC Staircase</b>				
			2.88	Cum		
		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification .				
			16.43	SQM		
3	Item Code: Item No 2.11 Pag no 18 Vol-1	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification (JSW, TATA Make)				
			5.68	MT		

4	Item Code: Item No 6.32 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.				
		<b>Horizontal wall</b>				
			<b>95.26</b>	<b>Sqm</b>		
5	Item Code: Item No 6.33 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per				
			<b>129.85</b>	<b>Sqm</b>		
6	Item Code: Item No 6.34 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.				
			<b>6.54</b>	<b>Sqm</b>		
7	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster for ceiling with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Architect-in-charge.				
			<b>139.18</b>	<b>Sqm</b>		
8	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.				
			<b>471.92</b>	<b>Sqm</b>		
9	Item Code: Item No 8.3.2 Pag no 41 Vol-2	Providing 20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.				
		<b>External plaster</b>	<b>316.58</b>	<b>Sqm</b>		
10	Item Code: Item No 8.27 Pag no 45 Vol-2	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
			<b>365.44</b>	<b>Sqm</b>		

11	Item Code: Item No 8.31 Pag no 46 Vol-2	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives with pure Acrylic Resin, UV resistant, dirt & pick up resistant, Alkali & Water resistant of required shade: New work (Two coats applied @ 1.43 L/10 m <sup>2</sup> over and including priming coat of exterior primer applied @ 2.20 kg/10 m <sup>2</sup> ) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-				
			<b>316.58</b>	<b>Sqm</b>		
12	Item Code: Item No 8.34.3 Pag no 47 Vol-2	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
			<b>22.30</b>	<b>Sqm</b>		
13	Item Code: Item No 8.40 Pag no 48 Vol-2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
		<b>SF</b>	<b>22.30</b>	<b>Sqm</b>		
14	Item Code: Item No 8.51 Pag no 50 Vol-2	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 as per specifications and as per directions of Engineer in charge.				
			<b>365.44</b>	<b>Sqm</b>		
15	Item Code: Item No 8.54.2 Pag no 50 Vol-2	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 g/L, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats as per specifications and as per directions of Engineer in charge.				
			<b>365.44</b>	<b>Sqm</b>		

16	Item Code: Item No 8.82 Pag no 54 Vol-2	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 no. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-charge.				
		D1	54.00	Sqm		
17	Item Code: Item No 9.21 Pag no 62 Vol-2	Providing and laying Vitrified tiles with thickness 9-10 mm in floor with different sizes with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
	9.21.5		122.31	Sqm		
18	Item Code: Item No 9.12 Pag no 60 Vol-2	Providing and laying vitrified floor tiles with thickness 9-10 mm in different sizes with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete.				
	9.12.2	Size of Tile 600x600 mm	35.89	Sqm		
19	Item Code: Item No 10.14 Pag no 71 Vol-2	Providing and fixing 1st 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/m2, including pointing in white cement mixed with pigment of matching shade complete.				
		Wall dado	116.96	Sqm		
20	Item Code: Item No 9.20 Pag no 62 Vol-2	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.				
	9.20.2		133.83	Sqm		

21	Item Code: Item No 9.30 Pag no 64 Vol-2	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.				
			<b>12.17</b>	<b>Sqm</b>		
21a		Making and finishing Half round for 20mm granite as per detail	<b>26.00</b>	<b>RMT</b>		
21b		Making and finishing edge polish for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
21b		Making and finishing Champering for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
21b		Making and finishing Full round polish for 20mm granite as per detail	<b>RO</b>	<b>RMT</b>		
22	Item Code: Item No 10.18 Pag no 71 Vol-2	Providing and fixing of wall cladding using 20mm thick gang saw water cut granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.				
			<b>5.09</b>	<b>Sqm</b>		
23	Item Code: Item No 11.28 Pag no 85 Vol-2	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 tc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.				
			<b>5.22</b>	<b>Sqm</b>		
		Avg 8KG/SQM	<b>41.76</b>	<b>KG</b>		
24	Item Code: Item No 11.34.B Pag no 86 Vol-2	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 openings /wooden frames with rawl plugs screws etc.				
				<b>Sqm</b>		
			<b>383.56</b>	<b>Kg</b>		
25	Item Code: Item No 12.13.1 Pag no 100 Vol-2	Providing red Salwood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.				
			<b>0.28</b>	<b>CUM</b>		

26	Item Code: Item No 12.51 Pag no 104 Vol-2	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.				
			<b>10</b>	<b>NO</b>		
27	Item Code: Item No 12.57 Pag no 105 Vol-2	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame around door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.				
	12.57.1	do- 30 mm thick Both side teak	<b>12</b>	<b>Sqm</b>		
28	Item Code: Item No 12.74 Pag no 107 Vol-2	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
			<b>30</b>	<b>NO</b>		
29	Item Code: Item No 12.76.1 Pag no 107 Vol-2	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
	12.76.1	250X10mm	<b>20</b>	<b>NO</b>		
30	Item Code: Item No 12.58 Pag no 105 Vol-2	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.				
			<b>5</b>	<b>NO</b>		
31	Item Code: Item No 12.6 Pag no 105 Vol-2	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.				
			<b>5</b>	<b>NO</b>		
32	Item Code: Item No 12.62 Pag no 105 Vol-2	Providing and fixing chromium plated brass handles of 100/125 mm with necessary screws etc. complete				
			<b>20</b>	<b>NO</b>		

33	Item Code: Item No 12.89 Pag no 110 Vol-2	Providing & fixing of 2.5 track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 94mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 58mm with GI reinforcement of 1.5mm and mesh sash of size 25mm x 42mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 5mm plain float glass, standard hardware& single point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 1819mm x 1819mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)				
			<b>22.28</b>	<b>Sqm</b>		
34	Item Code: Item No 12.93 Pag no 111 Vol-2	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibres (wood powder/rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 g) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 850 kg/m3, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2 , modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-InCharge. (Fixtures shall be paid for separately)				
			<b>29</b>	<b>M</b>		
35	Item Code: Item No 12.94 Pag no 111 Vol-2	Providing and fixing factory made Green certified, Anti Termite, UV resistant, high water absorbant single extruded WPC (Wood PolymerComposite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 g) having minimum density of 650 kg/m3 and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength of 50 N/mm2 , modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws The cost includes cost of materials, transportation, labour and fixing charges.(Cost of Fixtures to be paid separately)				
			<b>12</b>	<b>Sqm</b>		

36	Item Code: Item No 15.10 Pag no 149 Vol-2	Providing and Applying CFTRI approved two component flexible polymer modified acrylic cementitious waterproofing coating with a mix ratio of (1 Liquid: 2 Powder), to the RCC surface like bathroom, toilet, balcony & utility area applied @ 1.7kg/m2 in 2 coats to achieve 1mm DFT, having Elongation at break >50% as per ASTM D 412, Tensile strength >1N/ mm2 as per ASTM D 412, Adhesion strength: 0.80 N/mm2 as per ASTM D 4541, crack bridging upto 1mm as per ASTM C 836, Water penetration (5 bar pressure) as per BS EN 12390. The finished cost to include surface preparation, making coving of 50 mm X 50mm at all right angles of wall Junction with Polymer Repair Mortar and lay 45 gsm glass fibre mesh over the angle fillet when the first coat is still wet, treatment of cracks completely as per specification.				
			28.00	Sqm		
<b>TOTAL COST SECOND FLOOR</b>						
<b>TERRACE FLOOR</b>						
1	Item Code: Item No 2.1 Pag no 15 Vol-1	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications.				
	2.1.6	Mix 1:2:4 Using 20 mm nominal size graded crushed coarse aggregates				
		Cill and coping				
			0.04	Cum		
2	Item Code: Item No 2.5 Pag no 16 Vol-1	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.				
			4.29	Cum		
		Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications.				
			56.97	SQM		
			0.34	Cum		
		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification				
			5.03	SQM		
		<b>For Roof beams</b>				
			8.20	Cum		

		Providing and removing centering, shuttering, strutting, propping etc.,and removal of form work for sides and soffits of beams, beam haunchings,cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification				
			<b>61.43</b>	<b>SQM</b>		
			<b>6.90</b>	<b>Cum</b>		
		Providing and removing centring,shuttering ,strutting,propping etc and removal of form work for flat surface such as suspended floors, roofs,landings, balconies, and likes, thickness upto 200mm including cost of all materials, labour complete as per specification. Specification NO. KBS 4.6.2(P - 16, I - 4.29)				
			<b>46.04</b>	<b>SQM</b>		
3	Item Code: Item No 2.11 Pag no 18 Vol-1	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification (JSW, TATA Make)				
			<b>2.82</b>	<b>MT</b>		
4	Item Code: Item No 6.32 Pag no 17 Vol-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.				
			<b>119.44</b>	<b>Sqm</b>		
5	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plasterfor ceiling with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Architect-in-charge.				
			<b>48.20</b>	<b>Sqm</b>		
6	Item Code: Item No 8.1.2 Pag no 41 Vol-2	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.				
			<b>294.12</b>	<b>Sqm</b>		
7	Item Code: Item No 8.3.2 Pag no 41 Vol-2	Providing 20 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) to brick/stone masonry including rounding off corners wherever required smooth rendering, roviding and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.				
			<b>279.22</b>	<b>Sqm</b>		
8	Item Code: Item No 8.27 Pag no 45 Vol-2	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :Water thinnable cement primer to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
			<b>264.87</b>	<b>Sqm</b>		

9	Item Code: Item No 8.31 Pag no 46 Vol-2	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives with pure Acrylic Resin, UV resistant, dirt & pick up resistant, Alkali & Water resistant of required shade: New work (Two coats applied @ 1.43 L/10 m <sup>2</sup> over and including priming coat of exterior primer applied @ 2.20 kg/10 m <sup>2</sup> ) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-				
			<b>279.22</b>	<b>Sqm</b>		
10	Item Code: Item No 8.34.3 Pag no 47 Vol-2	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
		<b>TF</b>	<b>7.05</b>	<b>Sqm</b>		
12	Item Code: Item No 8.40 Pag no 48 Vol-2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.				
		<b>TF</b>	<b>7.05</b>	<b>Sqm</b>		
13	Item Code: Item No 8.51 Pag no 50 Vol-2	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 as per specifications and as per directions of Engineer in charge.				
			<b>268.78</b>	<b>Sqm</b>		
14	Item Code: Item No 8.54.2 Pag no 50 Vol-2	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 g/L, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats as per specifications and as per directions of Engineer in charge.				

		Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 no. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required				
		D1	<b>2.40</b>	<b>Sqm</b>		
15	Item Code: Item No 9.21 Pag no 62 Vol-2	Providing and laying Vitrified tiles with thickness 9-10 mm in floor with different sizes with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
	9.21.5					
		Head room				
			<b>14.95</b>	<b>Sqm</b>		
16	Item Code: Item No 10.18 Pag no 71 Vol-2	Providing and fixing of wall cladding using 20mm thick gang saw water cut granite in CM 1:3 (1 cement : 3 coarse sand) proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete.				
			<b>5.09</b>	<b>Sqm</b>		
17	Item Code: Item No 12.13.1 Pag no 100 Vol-2	Providing red Salwood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.				
			<b>0.06</b>	<b>CUM</b>		
18	Item Code: Item No 12.51 Pag no 104 Vol-2	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.				
			<b>1</b>	<b>NO</b>		

19	Item Code: Item No 12.57 Pag no 105 Vol-2	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification.				
	12.57.1	do- 30 mm thick Both side teak				
			2.4	Sqm		
20	Item Code: Item No 12.74 Pag no 107 Vol-2	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
			3	NO		
21	Item Code: Item No 12.76.1 Pag no 107 Vol-2	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
			2	NO		
22	Item Code: Item No 12.58 Pag no 105 Vol-2	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.				
			9	NO		
23	Item Code: Item No 12.6 Pag no 105 Vol-2	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.				
			1	NO		
24	Item Code: Item No 12.62 Pag no 105 Vol-2	Providing and fixing chromium plated brass handles of 100/125 mm with necessary screws etc. complete				
			2	NO		
25		Providing & plastering 50mm thick waterproof cement plaster in two coats under layer 40 mm thick cement concrete 1:2:4 with 6mm thick CM 1:3 over it for terrace finished neatly using waterproof compound mixed with cement including necessary curing etc.				
			320.25	NO		
<b>TOTAL COST TERRACE FLOOR</b>						
<b>SCHEDULE B - ELECTRICAL WORKS</b>						
Sl.No	Item Code	Description	Qty	Unit	Rate	Amount
1	1.1.1 Page No: 02	Open Conduit System Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 19/20 mm dia 2 mm thick	140.00	m		

2	1.1.2 Page No: 02	Open Conduit System Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 25 mm dia 2 mm thick	170.00	m		
3	1.1.3 Page No: 02	Open Conduit System Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 32 mm dia 2.5 mm thick	180.00	m		
4	1.2.1 Page No: 02	Concealed Conduit System Supplying heavy gauge PVC conduit pipe ..... mm dia.....mm thick confirming to IS 2509 with suitable size bends, metal/PVC Junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20 mm dia 2 mm thick	700.00	m		
5	1.2.2 Page No: 02	Concealed Conduit System Supplying heavy gauge PVC conduit pipe ..... mm dia.....mm thick confirming to IS 2509 with suitable size bends, metal/PVC Junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25 mm dia 2 mm thick	1,060.00	m		
6	1.2.3 Page No: 02	Concealed Conduit System Supplying heavy gauge PVC conduit pipe ..... mm dia.....mm thick confirming to IS 2509 with suitable size bends, metal/PVC Junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32 mm dia 2.5 mm thick	530.00	m		
7	1.3.1 Page No: 02	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 19/20 mm dia 2 mm thick	350.00	m		
8	1.3.2 Page No: 02	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 25 mm dia 2 mm thick	530.00	m		
9	1.3.3 Page No: 02	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 32 mm dia 2.5 mm thick	265.00	m		
10	1.8.2 Page No: 03	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, junction box, elbows, screws at an interval of 300 mm .... etc. as required. 25 mm	50.00	m		

11	1.9.2 Page No: 03	Supplying PVC/GI flexible conduit pipe .... mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely 25 mm	<b>30.00</b>	m		
12	1.9.3 Page No: 03	Supplying PVC/GI flexible conduit pipe .... mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely 32 mm	<b>20.00</b>	m		
13	2.2.1 Page No: 05	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Short point upto 3m from tapping point to out let via switch box	<b>44.00</b>	Point		
14	2.2.2 Page No: 05	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Medium point above 3m upto 6m from tapping point to out let via switch box	<b>63.00</b>	Point		
15	2.2.3 Page No: 05	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Long point above 6m upto 10m from tapping point to out let via switch box	<b>104.00</b>	Point		
16	2.2.4 Page No: 05	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Two outlet in a row, above 3m upto 6m from tapping point to out let via switches	<b>68.00</b>	Point		

17	2.2.5 Page No: 05	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5mm <sup>2</sup> (Phase & Neutral) & 1x1.0 mm <sup>2</sup> (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Three outlet in a row, above 6m upto 10m from tapping point to out let via switches box	5.00	Point		
18	2.3.1 Page No: 05	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1 mm <sup>2</sup>	150.00	m		
19	2.3.2 Page No: 05	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 mm <sup>2</sup>	920.00	m		
20	2.3.3 Page No: 05	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 2.5 mm <sup>2</sup>	2,760.00	m		
21	2.3.4 Page No: 05	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 4 mm <sup>2</sup>	416.00	m		
22	2.3.5 Page No: 05	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 6 mm <sup>2</sup>	200.00	m		
23	2.3.6 Page No: 05	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 10 mm <sup>2</sup>	100.00	m		
24	3.4.1 Page No: 08	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-2 Way	80.00	Each		
25	3.4.2 Page No: 08	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 3 Way	44.00	Each		
26	3.4.3 Page No: 08	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5 Way	28.00	Each		
27	3.4.4 Page No: 08	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6 Way	40.00	Each		
28	3.4.5 Page No: 08	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8 Way	7.00	Each		

29	3.4.6 Page No: 08	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12 Way	13.00	Each		
30	3.4.7 Page No: 08	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 16 Way	13.00	Each		
31	3.4.8 Page No: 08	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 18 Way	5.00	Each		
32	3.5.1 Page No: 08	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1-2 Module	80.00	Each		
33	3.5.2 Page No: 08	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 3 Module	44.00	Each		
34	3.5.3 Page No: 08	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 4 Module	28.00	Each		
35	3.5.4 Page No: 08	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module	40.00	Each		
36	3.5.5 Page No: 08	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 8 Module	7.00	Each		
37	3.5.6 Page No: 08	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 10-12 Module	13.00	Each		
38	3.5.7 Page No: 08	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 16 Module	13.00	Each		
39	3.5.8 Page No: 08	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 18 Module	5.00	Each		
40	3.6.1 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6A One Way Switch	424.00	Each		
41	3.6.2 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6A Two Way Switch	10.00	Each		
42	3.6.3 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6A Three Way socket	154.00	Each		
43	3.6.4 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. Stepped Fan Regulator Two Module	47.00	Each		

44	3.6.7 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 16A One Way Switch	<b>24.00</b>	Each		
45	3.6.8 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6A Bell Push	<b>4.00</b>	Each		
46	3.6.9 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 32A DP Switch	<b>2.00</b>	Each		
47	3.6.10 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6/16A Universal Socket	<b>26.00</b>	Each		
48	3.6.11 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. TV/Telephone Socket	<b>30.00</b>	Each		
49	3.6.12 Page No: 09	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. RJ45/I.O Outlet Cat-6	<b>34.00</b>	Each		
50	3.10.1 Page No: 09	Extra for supplying 4 mm thick white plastic plate and covering for junction boxes of size ..... mm conduit using necessary machine screws. 80 mm	<b>250.00</b>	No		
51	3.10.3 Page No: 09	Extra for supplying 4 mm thick white plastic plate and covering for junction boxes of size ..... mm conduit using necessary machine screws. 110 mm	<b>47.00</b>	No		
52	12.57 Page No: 54	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40 mm dia 2.9 mm thick 2.5m long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400 mm with a cast iron cover. The earth electrode shall have staggered holes of 12 mm dia and the electrode should be covered 150 mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts	<b>6.00</b>	No		
53	12.58.2 Page No: 54	GI/Copper strips for grounding connections, using necessary fixing materials as required GI/Copper strips 25 x 3 mm GI strip	<b>35.00</b>	Mtr		
54	12.58.3 Page No: 54	GI/Copper strips for grounding connections, using necessary fixing materials as required GI/Copper strips 25 x 6 mm GI strip	<b>20.00</b>	Mtr		
55	12.58.7 Page No: 55	GI/Copper strips for grounding connections, using necessary fixing materials as required GI/Copper strips 25 x 3 mm Copper strip	<b>15.00</b>	Mtr		
56	12.58.11 Page No: 55	GI/Copper strips for grounding connections, using necessary fixing materials as required GI/Copper strips 600 x 600 x 3 mm Copper plate	<b>2.00</b>	Each		
57	DR	GI Wire 8 SWG	<b>15.00</b>	Mtr		
58	DR	Copper Wire 8 SWG	<b>15.00</b>	Mtr		
59	5.19.8 Page No: 18	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required cIA, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure. II - Double Door 8 Way SP & N	<b>2.00</b>	Each		
60	5.19.9 Page No: 18	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required cIA, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure. II - Double Door 12 Way SP & N	<b>3.00</b>	Each		
61	5.19.10 Page No: 18	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required cIA, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure. II - Double Door 16 Way SP & N	<b>3.00</b>	Each		

62	5.19.11 Page No: 18	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required clA, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure. III - Double Door 4 Way TP & N	1.00	Each		
63	5.19.12 Page No: 18	Supplying and fixing regular MCB distribution boards on wall/ood board / flush mounting using required clA, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure. III - Double Door 6 Way TP & N	1.00	Each		
64	5.20.4 Page No: 18	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V upto 300mA sensitivity on existing wood/ panel board. 32-40A 2 pole	2.00	Each		
65	5.20.8 Page No: 18	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V upto 300mA sensitivity on existing wood/ panel board. 32-40 A 4 pole	1.00	Each		
66	5.20.10 Page No: 18	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V upto 300mA sensitivity on existing wood/ panel board. 63 A 4 pole	2.00	Each		
67	5.18.1 Page No: 17	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32 A SP	92.00	Each		
68	5.18.4 Page No: 17	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32 A DP	13.00	Each		
69	5.18.7 Page No: 17	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32 A TPN	1.00	Each		
70	5.18.9 Page No: 17	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 63A TPN	5.00	Each		
71	12.59.2 Page No: 54	2 mm thick perforated cable GI tray with on existing MS angle support using necessary GI bolts/nuts and washer or welding as required. 300 x 50 mm	24.00	M		
72	5.41.1 Page No: 19	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm	40.00	M		
73	8.2.2	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable. 2 Pair	360.00	m		
74	8.2.7	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable. 20 Pair	50.00	m		
75	8.2.8	Supplying and fixing of MDF krone junction box with KRONE Module / Telephone cable termination. 50 Pair	1.00	Each		
76	8.3	Supplying and drawing PVC insulated gas injected physical foam jelly flooded co-axial TV cable.RG-6.	90.00	m		
77	8.1 Page No: 35	Supplying and drawing UTP-CAT 6E LAN cable	680.00	m		
78	8.4.2	Supplying & Fixing of switch mounting rack with power manager & Cable manager. 6U with 450mm depth	2.00	Each		
79	8.8	Supplying & Fixing of Fan	2.00	Each		

80	8.9.10	Supplying fixing of Network Switches 24 port 10/100/1000 Switch	1.00	Each		
81	8.9.11	Supplying fixing of Network Switches 16 port 10/100/1000 Switch	1.00	Each		
82	8.11.1	Supplying & Fixing of ... ms Cat 6 Patch Cable 2 m	34.00	Each		
83	8.12.5	Supplying & Fixing of Patch panel for LAN cabling 24 Port 10/100/1000 patch panel	1.00	Each		
84	8.12.6	Supplying & Fixing of Patch panel for LAN cabling 16 port 10/100/1000 patch panel	1.00	Each		

**GRAND TOTAL ELECTRICAL WORK**

**SCHEDULE B- PLUMBING WORKS**

SI No		Description	Qty	Unit	Rate	Amount
<b>SANITARY WORKS</b>						
1	SR page no-138, Item No-14.44 (Volume-2)	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.				
			5.00			
			<b>5.00</b>	Each		
2	SR page no-131, Item No-14.2.1 (Volume-2)	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid				
			11.00			
			<b>11.00</b>	Each		
3	SR page no-132, Item No-14.7.1 (Volume-2)	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:White Vitreous China <b>Wash basin Under Counter</b> size 580x430 mm with a pair of 15 mm C.P. brass pillar taps.				
			13.00			
			<b>13.00</b>	Each		
4	SR page no-131, Item No-14.4.1 (Volume-2)	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of size 30x33x45mm with also closing concealed urinal flush wall spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :One urinal basin with 5 litre white P.V.C.				
			4.00			
			<b>4.00</b>	Unit		
5	SR page no-137, Item No-14.40.2 (Volume-2)	Providing and fixing PTMT <b>towel rail</b> complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g				
			<b>14.00</b>	Unit		

6	SR page no-121, Item No-13.24 (Volume-2)	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 g				
			20.00	Nos		
7	SR page no-135, Item No-14.22A (Volume-2)	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge. <b>(Make Jaguar, Code No:ALD CHR-769L)</b>				
			16.00	Nos		
8	Page No-117, Item No-13.3.1 & 13.3.2	Providing and fixing in position brass stop cock of approved quality of as per dia nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications.				
		<b>Page No-117, Item No-13.3.1 &amp; 13.3.2</b>				
		<b>a. 15 Nominal Bore</b>	12.00	Nos		
		<b>b 20 mm Nominal Bore</b>	20.00	Nos		
9	Page No-121,Item No-13.26 (Volume-2)	Providing and fixing in position brass bib cock of approved quality of as per dia nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications.				
		<b>25mm Nominal Bore</b>	20.00	Nos		
10		Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 g .				
			18.00	Nos		
11	Page No-70,Item No-10.8 (Volume-2)	Providing and fixing granite stone slab with for table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, <b>fixed in urinal partitions</b> by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in- charge and finished smooth.				
			3.60			
			3.60	Sqm		
12	Page No-200,Item No-20.29.1 (Volume-2)	Providing and fixing bright finished brass hard drawn <b>hooks</b> and eyes :300mm				
			11.00			
			11.00	Each		
13	Page No-66,Item No-10.2 (Volume-2)	Providing edge moulding to 18mm thick Granite stone counters, vanities etc including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-charge.				
			15.00			
			15.00	m		

14	Page No-66,Item No-10.4 (Volume-2)	Extra for providing opening of required size & shape for wash basin platform, vanity counter and similar location in Granite, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.				
			18.00			
			<b>18.00</b>	Nos		
15	Page No-138,Item No-14.49a (Volume-2)	Providing and fixing Single Lever Basin Mixer with high neck with 265mm Extended body & 450mm long flexible connectors made of Stainless steel with all concealed fitting arrangements & all necessary accessories complete - Economy Class				
			9.00			
			<b>9.00</b>	Nos		
16		Providing and fixing Health Faucet of approved make and design with all necessary accessories complete as per direction of Engineer-in-charge. <b>Market Rate</b>				
			<b>16.00</b>	Nos		
17	Page No-138,Item No-14.32.2 (Volume-2)	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 :Rectangular shape 453x357 mm				
			10.00			
			<b>10.00</b>	Each		
18	Page No-138,Item No-14.42.4 (Volume-2)	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 Rectangular shape 1500x600 mm				
			4.00			
			<b>4.00</b>	Each		
19		Providing/Collecting and fixing of shower Cubical consisting of single lever divertor with wall flange and spout including over head shower arm and rose complete in every respect including, Brass MTA, cutting, chasing & making good the walls. Make - Jaquar,Single Lever Divertor				
		<b>Market Rate</b>	<b>2.00</b>	Each		
<b>SUPPLY WORKS</b>						
20	Page No-122 & 123, Item No-13.33.3 , 13.33.4 & 13.33.5 (Volume-2)	Providing & fixing Chlorinated Poly Vinyl(CPVC) pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete. <b>Work will be done in all floors</b>				
		<b>20mm.dia..</b>	<b>100.00</b>	m		
		<b>25mm.dia..</b>	<b>200.00</b>	m		
		<b>32mm.dia..</b>	<b>230.00</b>	m		
		<b>40mm.dia..</b>	<b>250.00</b>	m		
		<b>50mm.dia..</b>	<b>250.00</b>	m		
21	Page No-122,Item No-13.32.1 , 13.32.2 & 13.32.3 (Volume-2)	Providing & fixing Chlorinated Poly Vinyl(CPVC) pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipes with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete.(Concealed work including cutting chasing and good the walls etc) <b>Work will be done in all floors</b>				

		<b>a. 20mm.dia..</b>	<b>300.00</b>	m		
		<b>b. 25mm.dia..</b>	<b>250.00</b>	m		
<b>22</b>	Page No-93,Item No-13.22 (SR-2018-19)	Providing and fixing <b>water meter</b> with stop cock, jam nut, socket in G.I pipe line including cutting and threading the pipe and making long screws including cost of all materials, labour , HOM of equipments and testing complete as per specifications.				
			<b>1.00</b>	Set		
<b>23</b>	Page No-117,Item No-13.5.3 (Volume-2)	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification.				
		a. 25mm.dia..	<b>38.00</b>	Nos		
<b>24</b>	Page No-117,Item No-13.4.2 & 13.4.3 (Volume-2)	Providing and fixing <b>Brass full way valve gate</b> with C.I. wheel of approved quality (screwed end) :				
		a. 32mm.dia..	<b>28.00</b>	Nos		
		b. 40mm.dia..	<b>38.00</b>	Nos		
<b>25</b>	Page No-118,Item No-13.6.3.2 (Volume-2)	Providing and fixing <b>gun metal non- return valve</b> of approved quality (screwedend): <b>40 mm nominal bore ,Vertical.</b>				
		a. 40mm.Nominal Bore	<b>35.00</b>	Each		
<b>DRAINAGE WORKS</b>						
<b>26</b>	SR Page No-113 ,Item No-10.1.5, 10.1.7 & 10.1.9 (Volume-5)	Supplying PVC ringtite pipes with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe around to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. for::a.PVC pipes 75mm dia., 6 kg/sqcm & b.PVC pipes 110mm dia.,6kg/sqcm c. 160mm dia 6 kg/sqcm				
		a. 75mm dia	250.00			
			<b>250.00</b>	Mtrs.		
		b. 110mm dia	300.00			
			<b>300.00</b>	Mtrs.		
		c. 160mm dia	300.00			
			<b>300.00</b>	Mtrs.		
<b>27</b>		Providing and fixing PTMT <b>grating</b> of approved quality and colour.				
		<b>Page No-120,Item No-13.22.1.2 (Volume-2)</b>				
		a. 125mm dia.	18.00			
			<b>18.00</b>	Nos.		
<b>28</b>		Cleaning and desilting of <b>gully trap</b> chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in- charge.				
		<b>Page No-201,Item No-20.40 (Volume-2)</b>				

			90.00		
			<b>90.00</b>	Each	
29	Page No-191,Item No-16.9(Volume-5)	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for pipeline with one or two inlets, using table mounted non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (Heavy duty) 600x 600mm internal dimensions, total weight of cover 21kg and weight of frame 15kg) R.C.C top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications .			
			10.00		
			<b>10.00</b>	Each	
30		Construction of RCC Machinehole chambers of 1:1.5:3 proportion or approved type Cast-insitu / Pre-cast RCC Machinehole chambers, constructed using form vibrators of standard type, with barricading,danger lighting and using of sight rails and boning rods wherever necessary, shoring and strutting wherever required using Ordinary Port Land Cement, using 1:1.5:3 proportion RCC with 20 mm and down graded jelly, well graded sand and steel of approved quality, 200 mm thick top concrete slab, having wall thickness and raft thickness as in approved drawings and with an offset in raft around the chamber as in approved drawing, benching concrete with 1:6 slope towards the central drain finished smooth, including fixing and grouting of pipes, including conveying to work spot supply and fixing SFRC Machinehole cover and frame (Heavy duty) conforming to IS:12592 with latest amendments, on a bed of CC 1:2:4 Providing and fixing of minimum 3mm thick encapsulated plastic footsteps (as per IS 10910) on 12 mm dia. Grade Fe-500 steel bar (as per IS 1786) staggered at 300 mm apart as detailed in Technical specifications, including stone grit bedding wherever required, watering, curing, engraving Machinehole nu ber with flowdirection on			
		Market Rate	<b>3.00</b>	Nos.	
31		Providing and constructing "WIRE CUT BRICK MACHINEHOLE CHAMBERS" using Portland/Pozzolana cement, conical in shape at top, with CC 1:3:6 foundation using 40mm and down size graded metal of approved quality and with an offset of 0.15M around the chamber. Construct Brick masonry in CM 1:4, 340 mm thick, with wirecut bricks of approved quality, plaster inside and out side with CM 1:3, 12mm thick, except for the conical surface outside where the plaster thickness shall be 20mm. Slope inside to be 1:6 in the concrete towards central drain and finished smooth. Fixing of pipes in CC 1:2:4 with graded metal of 20mm and down size. Supplying and fixing SFRC Machinehole frame and cover (Heavy Duty) conforming to IS:12592 with latest amendment, in CC 1:2:4. Supplying and fixing footsteps made of 12mm dia. steel bars (Fe-500) with 3mm thick plastic encapsulation (IS-10910). The footsteps shall be fixed 30cms apart and on CC block embeded to masonry wall. The whole works include watering, curing, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, dewatering, engraving Machinehole number with flow direction on the inner conical surface etc. as per the drawing etc.			
		<b>SR Page No-192,Item No-16.15.1 (Volume-5)</b>			
			<b>2.00</b>	Nos.	

32	Constructing brick masonry <b>Rain water chamber 600x600mm</b> , and 450mm depth, (clear inside dimension) for pipeline with one or two inlets, using table mounted non-modular bricks of class designation 50 in cement mortar 1:5, Concrete slab cover with frame (Heavy duty) 600x 600mm internal dimensions, total weight of cover 23kg and weight of frame 15kg) R.C.C top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications .				
	Market Rate	4.00	Nos.		
33	Construction of <b>Storm Water Soak Pit / Recharge Pit</b> with the clear dimensions as mentioned below and as per drawing and filling the annular space with brick bats (40mm size) to the entire depth with RCC top cover slab with 600 x 600mm RCC pre-cast cover inlet and outlet arrangements including excavation curing with all leads and lifts as per the detailed drawings, disposing the surplus earth within a lead of 300m as directed by the site Engineer- in-charge etc., complete.				
	Market Rate	2.00	Nos.		
34	Providing & Fixing of vertical <b>submersible pump</b> of following capacity. Fixing the pump, providing delivery piping with CPVC pipes with wafer type non return valve, butterfly valve both of Audco / Intervolve / Hawa make with necessary flanges, nuts, bolts, rubber insertions (Piping and valves will be measured and paid under respective items of works) etc.. Making necessary electrical connections with flat submersible cables (including making power supply connection from mains to the pump control panel) shall be carried out by electrical contractor (Cost of electrical works is not to be included under this item), etc., complete.				
	To Pump Basement Storm Water to External Drain				
	Market Rate	1.00	set		
35	Providing & Fixing of vertical <b>submersible pump</b> of following capacity. Fixing the pump, providing delivery piping with CPVC pipes with wafer type non return valve, butterfly valve both of Audco / Intervolve / Hawa make with necessary flanges, nuts, bolts, rubber insertions (Piping and valves will be measured and paid under respective items of works) etc.. Making necessary electrical connections with flat submersible cables (including making power supply connection from mains to the pump control panel) shall be carried out by electrical contractor (Cost of electrical works is not to be included under this item), etc., complete.				
	To Ug sump to OHT				
	Market Rate	1.00	set		
36	Providing and fixing FRP chamber covers 2' x 2' to the sanitary/rain water chambers with necessary repairs, making good the same etc., works complete.				
	Market Rate	10.00	Nos		
37	Providing and fixing 20mm Granite Slab with edge cutting edge polishing and front bull nosing fixed with necessary supports as per site condition. Wash basin make in Hasan Grran/Black color is cut to profile with edge cutting and edge polishing. The rate includes for final finishing.				
	Market Rate	30.00	sqft		

38	SR Page No-133,Item No-14.1.1(Volume-2)	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board 510x1040 mm bowl depth 250 mm				
			1.00	Each		
39	SR Page No-124,Item No-13.42(Volume-2)	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors * 100 mm inlet and 100 mm outlet* Sand cast iron				
			4.00	Each		
40	SR Page No-125,Item No-13.48 (Volume-2)	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes including jointing with seal ring leaving 10 mm gap for thermal expansion, - Single socketed pipes 100 mm diameter.				
			250.00	Mt		
41	SR Page No-125,Item No-13.34A (Volume-2)	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately.				
		For capacity 4000lites - 2 nos	8000.00	ltr		
42		Drilling with core cutting machine in RCC beams, slabs, floors etc., for laying pipes and rendering the same in RCC 1:2:4 finishing the same to the satisfaction of the owner or his authorised representative etc., including normal reinforcement wherever required complete a) RCC slab 150 mm dia.				
		Market rate	40.00	Nos		
<b>TOTAL</b>						
43		<b>Miscellaneous</b>				
<b>GRAND TOTAL</b>						