

Original Estimate

N/W	Minor Repair to facilitate store room at ground floor of Admin building, IIG Panvel Campus					
निविदा संदर्भ/ Tender Ref. No. IIG/EM/Civil/2023/18			दिनांक/Dated: 17.11.2023			
SLNo	Description	Qty	Unit	Rate	Amount	DSR No.
1	EARTH WORK					2
1.1	Filling available excavated earth (excluding rock) in trenches, plinth. sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and for all lift	10	cum	161.60	1616.00	2.25 SR
	Sub-Total				1616.00	
2	CEMENT CONCRETE (CAST IN SITU)					4
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
2.1.1	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	2	cum	6833.40	13667.00	4.1.5 SR
	Sub-Total				13667.00	
3	REINFORCED CEMENT CONCRETE					5
3.1	Reinforced cement concrete work in beams, suspended foors, roofs having slope up to 15* landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to foor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	0.4	cum	10391.40	4157.00	5.3 SR
3.2	Centering and shuttering including strutting, propping etc. and removal of form for					5.9
3.2.1	Lintels, beams, plinth beams, girders, bressumers and cantilevers	6	sqm	608.35	3650.00	5.9.5 SR
3.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					5.22A
3.3.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	50	kg	89.65	4483.00	5.22A.6 SR
	Sub-Total				12290.00	
4	MASONRY WORK					6
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					6.4
4.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	4	cum	8288.35	33153.00	6.4.2 SR
4.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in superstructure above plinth level up to floor V level.					6.13
4.2.1	Cement mortar 1:4 (1 cement :4 coarse sand)	6	sqm	1018.05	6108.00	6.13.2 SR
	Sub-Total				39261.00	
5	CLADDING WORK					8
5.1	Wall lining butch work upto 10m height with Dholpur stone 40 mm thick rough facing on the exposed surface with stone strips of minimum length 300 mm and required width, including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75 mm and by providing layer of 75 mm thick strips i/c 12 mm thick bed of cement mortar 1:3 (1 Cement : 3 coarse sand) i/c ruled pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of Engineer-in-charge.	3.5	sqm	2607.45	9126.00	8.17 SR
	Sub-Total				9126.00	
6	WOOD AND P. V. C. WORK					9
6.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).					9.1
6.1.1	Sal wood	0.15	cum	106720.85	16008.00	9.1.2 SR
6.2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:					9.21
6.2.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	4.4	sqm	2015.75	8869.00	9.21.1 SR
6.3	Providing 40x5 mm flat iron hold fast 400 mm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 300x100x150 mm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	6	each	194.35	1166.00	9.53 SR
6.4	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (copper oxidized as per IS: 1378)					9.62
6.4.1	250x16 mm	2	each	165.90	332.00	9.62.2 SR

6.5	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	2	each	856.30	1713.00	9.84	SR
6.6	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :					9.97	
6.6.1	300x10 mm	2	each	117.65	235.00	9.97.1	SR
6.7	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :					9.1	
6.7.1	100 mm	6	each	53.25	320.00	9.100.2	SR
6.8	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.					9.101	
6.8.1	Twin rubber stopper	2	each	62.25	125.00	9.101.2	SR
6.9	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment).	0.6	sqm	4901.50	2941.00	9.128	SR
	Sub-Total				31709.00		
7	STEEL WORK					10	
7.1	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	20	kg	111.95	2239.00	10.2	SR
7.2	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.					10.6	
7.2.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	4.9	sqm	3008.80	14743.00	10.6.1	SR
7.3	Providing and fixing ball bearing for rolling shutters.	2	each	424.20	848.00	10.7	SR
7.4	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.					10.27	
7.4.1	10 x 140 mm	18	each	156.35	2814.00	10.27.4	SR
	Sub-Total				20644.00		
8	FLOORING					11	
8.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :					11.26	
8.1.1	25 mm thick	2	sqm	1706.60	3413.00	11.26.1	SR
8.2	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	1	sqm	2038.55	2039.00	11.27	SR
8.3	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.					11.41A	
8.3.1	Glazed vitrified floor tiles polished finish of size					11.41A.2	
8.3.1.1	Size of Tile 600 x 600 mm	20	sqm	1338.50	26770.00	11.41A.2.1	SR

8.4	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.					11.46	
8.4.1	Size of Tile 600x600 mm	2	sqm	1466.50	2933.00	11.46.2	SR
	Sub-Total				35155.00		
9	FINISHING					13	
9.1	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:					13.47	
9.1.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	14	sqm	162.35	2273.00	13.47.1	SR
9.2	Applying priming coat:					13.5	
9.2.1	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	14	sqm	61.45	860.00	13.50.1	SR
9.2.2	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	14	sqm	29.75	417.00	13.50.4	SR
9.3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					13.62	
9.3.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	33	sqm	191.40	6316.00	13.62.1	SR
	Sub-Total				9866.00		
10	REPAIRS TO BUILDING					14	
10.1	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per direction of Engineer-in-Charge.					14.4	
10.1.1	For door/ window/ clerestory window	2	sqm	1046.95	2094.00	14.4.1	SR
	Sub-Total				2094.00		
11	Dismantling and Demolishing					15	
11.1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	10	sqm	45.05	451.00	15.56	SR
11.2	Disposal of building rubbish / mulba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	6	cum	219.35	1316.00	15.6	SR
	Sub-Total				1767.00		
12	NEW TECHNOLOGIES AND MATERIALS					26	
12.1	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge.					26.3	
12.1.1	Upto and including 12mm dia.	24	each	121.95	2927.00	26.30.1	SR
	Sub-Total				2927.00		
13	NON SCHEDULE					50	
13.1	Providing and plastering with premixed polymerized readymade cement mortar of approved brand / make, manufactured in automated dry mix batching plant where Cement, sand and polymer additive are mixed in pre-determined ratio (as per manufacturer specification). In one coat. 6 to 7 liter potable water (as per manufacturer specification) shall be added to 40 kg of readymix dry mortar on mortar mixing G.I tray and shall be mixed well for 4-5 minutes. The mortar shall be left undisturbed for 3-5 minutes to dissolve additive and shall be mixed once again to form cohesive and consistent mix.					50.2	
13.1.1	15 mm average thickness	41	sqm	642.15	26328.00	50.2.3	MR
13.2	Providing and plastering with premixed readymade cement mortar of approved brand / make, manufactured in automated dry mix batching plant where Cement, sand and polymer additive are mixed in pre-determined ratio (as per manufacturer specification). 18 mm average thickness in two coats under layer 12 mm thick cement plaster and top layer 6 mm thick cement plaster finished rough with sponge 6 to 7 liter potable water (as per manufacturer specification) shall be added to 40 kg of readymix dry mortar on mortar mixing G.I tray and shall be mixed well for 4-5 minutes. The mortar shall be left undisturbed for 3-5 minutes to dissolve additive and shall be mixed once again to form cohesive and consistent mix.	15	sqm	782.15	11732.00	50.3	MR
13.3	Transportation of earth by mechanical transport to the designated site including loading, unloading, stacking at the site of unloading etc. complete as per the direction of Engineer-in-Charge.(Lead upto 1.0 km).	6	cum	97.05	582.00	50.4	MR

13.4	Credit for taking away the dismantled materials (unserviceable) received from work such as reinforcement bars, G.I. pipes, C.I. or SCI pipes, M.S tanks, C.I. flushing cistern, M.S. grills etc. as per direction of Engineer-in-Charge.☐	20	kg	-29.00	-580.00	50.28	MR
13.5	Credit for taking away the dismantled unserviceable material like wooden door / window frame and shutter etc.☐	10	kg	-24.00	-240.00	50.29	MR
13.6	Credit for taking away the dismantled unserviceable aluminium materials received from work as per direction of Engineer-in-Charge.☐	6	kg	45.00	270.00	50.52	MR
13.7	Remodelling existing aluminium window of area 3.00 sq metres or below by cutting the extra member of aluminium window and attached MS grill including welding extra MS member wherever necessary and fixing in position with required screw/bolt etc. complete	2	each	1000.00	2000.00	50.55	MR
13.8	Providing and placing in position Cudappah stone 25 mm thick over existing brick work/R.S. Joists/RCC frame or any other horizontal support including cutting chase in wall to create shelf or storage space or similar work etc. complete as per direction of the Engineer-in-charge. ☐	12	sqm	825.70	9908.00	50.56	MR
	Sub-Total				50000.00		
14	MISCELLANEOUS					51	
14.1	Providing services of Carpenter at any time of a working day (excluding weekly and public Holidays) for attending the all sorts of carpentry related complaints lodged in the complaint Register or any other similar work as per direction of Engineer -in- charge .(Material, if any required for attending complaint including T&P shall be arranged by the agency and the cost of material shall be paid separately)☐	2	day	1200.00	2400.00	51.5	MR
	Sub-Total				2400.00		
	Total				232522.00		
	Add for revised GST @18% in place of 12% ie 6.33% on SR&DR Total 180122				11401.72		
	Total				243923.72		
	Add Cost Index @24% on SR&DR Total 191,523.72				45965.69		
	Total				289889.41		
	Say				289889		

Add _____ % Above/ _____ % Below the estimated cost.

Tendered cost (Including GST):

Name, Sign and seal of the agency

Date