

Original Estimate

N/W: Special Repairs, Internal & External plaster with painting & other civil miscellaneous works of Guest House at IIG Colaba Campus.					
NIT No.: IIG/EM/Civil/2023/08			Dated: 02.06.2023		
Sr.No.	Description of Items	Qty	Unit	Rate	Amount
1	CEMENT CONCRETE (CAST IN SITU)				
1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
1.1.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	1.35	cum	7365.15	9943.00
	Sub-Total				9943.00
2	MASONRY WORK				
2.1	Brick work with common burnt clay machine moulded F.P.S. (non modular) bricks of class designation 12.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand).				
2.1.1	Above plinth level upto floor V level	1.2	cum	8339.65	10008.00
	Sub-Total				10008.00
3	CLADDING WORK				
3.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
3.1.1	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble				
3.1.1.1	Area of slab over 0.50 sqm	4	sqm	2639.45	10558.00
3.2	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
3.2.1	Granite work	20	metre	418.85	8377.00
3.3	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	2.99	sqm	417.60	1249.00
3.4	Providing and fixing expansion hold fasteners on C.C./R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete.				
3.4.1	Wedge expansion type				
3.5	Providing and fixing 75 mm high, 50 mm deep and 18 mm thick stone slab table rubbed, edges rounded and polished, fixed in urinal partitions 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.				
	Sub-Total				20184.00

Sr.No.	Description of Items	Qty	Unit	Rate	Amount
4	WOOD AND P. V. C. WORK				
4.1	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).				
4.1.1	Second class teak wood	0.5	cum	131576.95	65788.00
4.2	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
4.2.1	100X58X1.90 mm	12	each	86.15	1034.00
4.3	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
4.3.1	100x10 mm	10	each	160.30	1603.00
4.4	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 :				
4.5	Providing and fixing 12 mm thick panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.				
4.5.1	Marine plywood conforming to IS: 710	4	sqm	2100.40	8402.00
4.6	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
4.6.1	1.0 mm thick	10	sqm	764.00	7640.00
4.7	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				
4.7.1	100mm	10	each	75.70	757.00
	Sub-Total				85224.00
5	FLOORING				
5.1	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
5.1.1	Dark shade pigment using ordinary cement	24	sqm	983.95	23615.00
5.2	25 mm wooden planking, tongued and grooved in flooring, including fixing with iron screws complete with :				
5.2.1	Second class teak wood	2	sqm	4187.95	8376.00
	Sub-Total				31991.00
6	ROOFING				
6.1	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.				

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6.1.1	0.63 mm thick with zinc coating not less than 275 gm/ m ²	145	sqm	978.00	141810.00
6.2	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete.				
6.2.1	0.63 mm thick with zinc coating not less than 275 gm/m ²	45	metre	750.85	33788.00
6.3	Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.				
6.3.1	0.63 mm thick with zinc coating not less than 275 gm/m ²	35	metre	752.45	26336.00
6.4	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws				
6.4.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	85.13	sqm	1145.95	97555.00
	Sub-Total				299489.00
7	FINISHING				
7.1	15 mm cement plaster on the rough side of single or half brick wall of mix :				
7.1.1	1:4 (1 cement: 4 fine sand)	100	sqm	339.70	33970.00
7.2	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
7.2.1	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)	65	sqm	162.35	10553.00
7.3	Varnishing with varnish of approved brand and manufacture :				
7.3.1	Two or more coats of glue sizing with copal varnish over an under coat of flatting varnish	70	sqm	197.40	13818.00
7.4	French spirit polishing :				
7.4.1	Two or more coats on new works including a coat of wood filler	70	sqm	368.30	25781.00
7.5	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	150	sqm	123.85	18578.00

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7.6	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
7.6.1	Two coats	306	sqm	121.55	37194.00
7.7	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
7.7.1	One or more coats on old work	70	sqm	86.55	6059.00
	Sub-Total				145953.00
8	REPAIRS TO BUILDING				
8.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
8.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	5	sqm	462.30	2312.00
8.2	Renewing wooden beams in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete, including removal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
8.2.1	Not exceeding 4.00 metres in length.				
8.3	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	10	each	243.10	2431.00
	Sub-Total				4743.00
9	Dismantling and Demolishing				
9.1	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead :				
9.1.1	Of sectional area 40 square centimetres and above	2	cum	3674.50	7349.00
9.2	Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	145	sqm	173.15	25107.00
9.3	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
9.4	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	141.55	sqm	46.50	6582.00
9.5	Disposal of building rubbish / malba / 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.	10	cum	219.35	2194.00
	Sub-Total				41683.00

Sr.No.	Description of Items	Qty	Unit	Rate	Amount
10	WATER SUPPLY				
10.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				
10.1.1	25 mm nominal dia Pipes	15	metre	408.55	6128.00
10.1.2	32 mm nominal dia Pipes	10	metre	500.95	5010.00
10.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls				
10.2.1	20 mm nominal dia Pipes	2	metre	513.75	1028.00
10.3	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1000	per litre	9.70	9700.00
10.4	Providing and fixing PTMT grating of approved quality and colour.				
10.4.1	Circular type				
10.4.1.1	125 mm nominal dia with 25 mm waste hole	3	each	45.25	136.00
10.5	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.				
10.5.1	40 mm nominal bore, 206mm long, weighing not less than 690 gms	1	each	653.40	653.00
10.6	Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement : 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) including disposal of malba.	3	metre	198.40	595.00
	Sub-Total				23250.00
11	NON SCHEDULE				
11.1	Providing and fixing curtain brackets of approved quality as per direction of Engineer- in- charge.	4	Pair	260.00	1040.00
11.2	Labour charges for making wooden Coat stand including polishing and finishing as per Drawing provided by Engineer-in-charge. (Wood will be supplied by the Institute at free of cost)	5	Each	5000.00	25000.00
11.3	Renewing Plastic wire in old plastic netted wooden chairs as per standard design.	8	Each	650.00	5200.00
11.4	Providing and fixing PTMT Gate Valve				
11.4.1	40mm Nominal bore	1	Each	350.00	350.00
11.4.2	25mm Nominal bore	1	Each	200.00	200.00
11.5	Labour charges for renewing wooden beams with sal wood in roof trusses including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete, including removal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
11.5.1	Not exceeding 4.00 metres in length.	2	Cum	15921.87	31844.00

Sr.No.	Description of Items	Qty	Unit	Rate	Amount
	Sub-Total				63634.00
12	MISCELLANEOUS				
12.1	Providing and fixing 16 /6A new switches and sockets, Regulator For Fan, Usb reader , Mcb 25 A , 15 A ceiling lights (Syska or equivalent make), Night Lights and providing connection with new wiring for all said items.	1	Job	100000.00	100000.00
	Sub-Total				100000.00
	Total				836102.00
	Add for revised GST @18% in place of 12% ie 6.33% on SR&DR Total 672468				42567.22
	Total				878669.22
	Add Cost Index @16% on SR&DR Total 715,035.22				114405.64
	Total				993074.86
	Say				9,93,075

(Rupees Nine Lakh Ninety Three Thousand Seventy Five Only)

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

Tendered cost (Including GST) :

Name, sign and seal of the agency

Date