

**Construction of first floor of New Art Building of Pragjyotish College, Guwahati. (Fisrt Floor )**

Sl	Item	Specification	Qty	Unit
		<b>CIVIL WORKS</b>		
1	4.1.8	1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embeded in cement mortar and will be measured and paid separately)		
		(A) 112mm thick brick wall	447.95	Sqm
2	9.1.2	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embeded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified.		
		(a) With sal wood	1.56	Cum
3	2.2.1	Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)		
		(I) Using Mixer Machine		
		(B) In super structure from plinth level up to 1st floor level.		
		ii) Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase (except spiral staircase and landing ) including preparing the top surface and finishing of nosing.		
		N) Without using admixture, plasticiser		
		b) M20 grade concrete or Prop. 1:1.5:3	7.18	cum
4	18.1.1	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. <b>(No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level)</b>		
		a) From Primary Producer: TATA/SAIL/Esser Steel/ Jindal steel/Shyam steel/RINL		
		(i) TMT Corrosion resistant steel (CRS) reinforcement bar	14.60	Qtl
5	3.1.1	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in:		
	3.1.1.4	Sides and Soffits of Beams, beam haunchings, cantilever girders, bressumers, lintels and horizontal ties. (a) For depth not exceeding 1.0M. (ii) Using 25mm thick plank		
12	22.2.7	Extra for providing and mixing waterproofing Plastisizer Plastocrete Plus of Sika India Ltd /Dr. Sealkit LW Super (Asian Chemicals)/ RHEOMAC 730 of BASF @ 200gms per bag of cement in concrete for waterproofing as specified and directed by the Department complete at all levels.		

		A In concrete of proportion:		
		(ii) 1 : 1.5 : 3 (1cement : 1.5coarse sand : 3aggregate) or M-20 grade.	138.11	Sqm
6	6.2.3	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed. A) On rough side (backing coat 15 mm and finishing coat 5mm thick)		
		b) In cement mortar 1:4	2019.65	Sqm
		B) On fair side (backing coat 10 mm and finishing coat 10mm thick)		
		b) In cement mortar 1:4	908.45	Sqm
7	22.3.1	(A) Supplying, mixing, laying and applying the following waterproofing systems over Raft slabs, Roof slabs, Terraces etc. including curing complete as specified and directed by the Department at all levels.: (i) 1mm thick single coat of Master Crete M-81 of Choksey Chemicals /Dr. Sealkit Sealcrete (Asian Chemicals)/ mixed with cement in the ratio 1:2 as a prime coat. (ii) 3mm thick Polymer modified mortar - Cement sand mortar (in prop 1:3) mixed with Master Crete M-81/Dr. Sealkit Sealcrete (Asian Chemicals) @ 15% by weight of cement. (iii) 1mm thick coat of Master Crete M-81 /Dr. Sealkit Sealcrete (Asian Chemicals) mixed with cement in the ratio 1:2 as final coat.	20.00	Sqm
8	9.12.1	Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevent I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) 6 nos with necessary wood screws.		
		a) Decorative type face panel and block board core.		
		(i) 40 mm thick .	50.74	Sqm
9	2.1.2	Plain cement concrete floor base in prop1:3:6 laid in alternate bays as specified with coarse agg. of size 13mm to 32mm including dewatering if necessary, and curing etc. complete.		
		b) 50mm thick	540.34	sqm
10	5.11.1	Providing Antiskid Tiles of approved quality size, shape not less than 8mm on floor, skirting over a cement mortar bed 15mm thick of 1:3 (1 cement: 3 coarse sand) approved make fix with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf)/ white cement complete at all level as specified and directed.		
		iii)Executive range-2 (Sizes 600 mm x 600mm and above)		
		Somany made- VC Shield (Group- 25) (605x605) mm		
		a) Deluxe -VC	171.75	Sq.m
11	5.7.2.1	Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the		
		c) Delux range Somany/ Orient/Nitco /Varmora/VITA/ Marbitto/ Make		
		i) Of size 1000mmx1000mm and above	352.76	Sqm



19	13.4.7	Wall painting (two coats) with Plastic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after throughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth.		
		(a).Plastic Emulsion Paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	2019.65	Sqm
20	13.6.3	Applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by throughly cleaning oil, grease, dirt and other foreign matter , sand papering and knotting.		
		(b). With ready mixed paint , wood primer (white).	38.93	Sqm
21	13.6.5	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping. (i).Surfaces over 100mm in width or girth.		
		b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	38.93	Sqm
22	13.7.2	Applying primary coat over new steel and other metal surface over 100m in width or girth after preparing the surface by throughly cleaning oil,grease, dirt and other foreign matter and scoured with wire brushes, fine steels, wood scrapers and sand paper. a). With ready mixed "red-lead/ red oxide" primer.	301.97	Sqm
23	13.7.4	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. (i).Surfaces over 100mm in width or girth.		
		b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	301.97	Sqm
24	13.9.3	Finishing old/ new wall with water proofing weather coat smooth anti-fungal premium textured exterior finish of Sandex Matt brand of Snowcem India Ltd. of required shade after clering and clearing the surfaces etc.including scaffolding complete as directed at all levels (two coats).		
			908.45	Sqm
25	15.2.1	Supplying, fitting, fixing anodised aluminium fittings of approved make, reasonably smooth, free from sharp edges and corners, flaws and other defects and with counter sunk holes for screws including necessary aluminium screws etc. complete.( anodised to bright natural matt & satin finished )		
		<b>a) Sliding door bolts</b>		
		i) 300mm x 16mm	25	Each
		<b>b) Tower bolts</b>		
		ii) 250mm x 12mm	75	Each
		<b>c) Door handles</b>		
		iii) 150mm	50	Each
		<b>d) Hydraulic door closure</b>	19	Each
		<b>SANITARY WORKS</b>		
26	1.37.1	Supplying, fitting and fixing PVC pipes of 6 Kg/cm2 (Supreme/Prince) or other ISI approved including joining ,fitting and fixing wiyh clamps etc.as necessary complete at all levels including below G.L as directed and specified.		
		b) Concealed by chiselling or breaking brick wall/C.C./R.C.C and making good to the damages.		
		(ii) 110mm dia.	96	m
		a) In exposed surfaces or in trenches.		
		(ii) 110mm dia.	24	m

27	1.37.4	Supplying fitting and fixing 45degree PVC bend of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.						
		a) In exposed surfaces or in trenches.						
		(ii) 110mm dia.					12	each
28	1.37.5	Supplying fitting and fixing PVC Plain single tee of (Supreme/ Prince) or other ISI approved including joining, fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified. a) In exposed surfaces or in trenches. (ii) 110mm dia.					4	each
29	1.39	Providing fitting and fixing PVC cowel of ISI make complete as directed and specified. (ii) 110mm dia. PVC cowel of ISI make					12	each
30	1.42	C.P. Grating						
		(ii) 110mm dia					12	each
31	1.5	Supplying, fitting and fixing PVC flushing cistern with all internal fittings with CI brackets including fitting and fixing standard size CP flush pipe, union clamps etc. compete as directed and specified (pipes will be measured separately) ii) Hindware make a) White (i) Sleek+ PVC cistern					2	Each
32	1.13	Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately) ii) Hindware make a) White (v) ESSENCE 600 x 460 (Cal. No.91035/91113)					2	Each
33	1.19	Providing fitting and fixing Decorative Mirror complete as directed and specified. (B) Jaquar Make (b) Swivel Mirror (Cat. No.ACN-1195N)					2	each
34	1.31	Providing, fitting and fixing Chrome Plated TOILET PAPER holder complete as directed and specified. (a) Jaquar make (ii) Continental toilet paper holder with flap (Cat.No. ACN-1153N)					2	each
35	1.32	Providing, fitting and fixing Chrome Plated waste coupling complete as directed and specified.(a) Jaquar Make (i) 32mm (HT/FT) (Cat.No.ALD-705 / 709)					2	each
36	3.1.2	Supplying fitting and fixing approved <b>uPVC Pipes</b> of different sizes, with all necessary 'R' brand or similar approved P.V.C. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc. complete at all levels including below G.L. as directed and specified. (A) Exposed or in trenches d) 25 mm dia					96	RM
		f)15 mm dia					36	RM
37	3.2.1	Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand directed and specified. (G.I. & C.P pipes will be measured separately) (II) Jaquare make (a)Continental /Clarion (ii) Bibcock long thread					4	Each
38	3.3.2	Supplying fitting and fixing chrome plated (C.P.) stop-cock of approved brand and size as mentioned below as directed and specified.(G.I. & C.P pipes will be measured and paid separately) (I)Jaquar (ii) 15mm dia( Angular stop cock with long thread )					8	Each
39	3.5.1	Supplying and fitting fixing C.P. pillar cock of 15mm dia of approved brand as specified and directed. (II) Jaguar make (b)Long neck with areator					2	Each

40	3.17.1	Supplying and fitting gun metal country pit valve (full way valve) I.S.I. Make as specified and directed.						
		c) 25 mm dia.						4 Each
		e) 15 mm dia.						6 Each

Sd/-  
Principal,  
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