

## Original Estimate

N/W: Construction of Prefabricated ATM Room at IIG Panvel Caampus.					
Sr. No.	Description of Items	Qty	Unit	Rate	Amount
1	EARTH WORK				
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1.1	All kinds of soil.	9	cum	286.84	2,582.00
1.2	Filling available excavated earth (excluding rock) in trenches, plinth. sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and for all lift	9	cum	253.95	2,286.00
1.3	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	5	cum	368.65	1,843.00
1.4	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.				
	All kinds of soil	15	sqm	28.15	422.00
1.5	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	0.7	cum	2161.20	1,513.00
2	CEMENT CONCRETE (CAST IN SITU)				
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources)	1	cum	7226.95	7,227.00
2.1.2	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	3	cum	6326.05	18,978.00
2.2	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	3	sqm	113.85	342.00
3	REINFORCED CEMENT CONCRETE				

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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).	2.5	cum	10391.40	25,979.00
3.2	Centering and shuttering including strutting, propping etc. and removal of form for				
3.2.1	Foundations, footings, bases of columns, etc. for mass concrete.	2	sqm	332.10	664.00
3.2.2	Lintels, beams, plinth beams, girders, bressumers and cantilevers	15	sqm	608.35	9,125.00
3.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
3.3.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	800	kg	89.65	71,720.00
4	MASONRY WORK				
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in foundation and plinth in:				
4.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	8	cum	6882.00	55,056.00
4.2	Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry with 150mm/230mm/300 mm thick with Grade-I AAC blocks of density 551 to 650 kg/ cum conforming to IS: 2185 (Part 3) in super structure and plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).	8	Cum	6994.15	55953
7	STEEL WORK				
7.1	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.				
7.1.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	7.5	sqm	3008.80	22,566.00
7.2	Providing and fixing ball bearing for rolling shutters.	2	each	424.20	848.00

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7.3	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.	70	kg	111.95	7,837.00
8	ROOFING				
8.1	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.				
8.1.1	0.80 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	3.5	metre	811.85	2,841.00
8.2	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
8.2.1	110 mm diameter	4	metre	319.75	1,279.00
8.3	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
8.3.1	Bend 87.5°				
8.3.1.1	110 mm bend	1	each	132.00	132.00
8.3.2	Shoe (Plain)				
8.3.2.1	110 mm Shoe	1	each	115.95	116.00
9	FINISHING				
9.1	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives.				
9.1.1	New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	95	sqm	154.45	14,673.00
9.2	Applying priming coat:				
9.2.1	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	25	sqm	29.75	744.00
9.3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
9.3.1	Two or more coats on new work	25	sqm	131.45	3,286.00
9.4	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.	60	sqm	123.85	7,431.00

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11	WATER PROOFING				
11.2	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	30	sqm	474.15	14,225.00
12	NON SCHEDULE				
12.2	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). 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.				
12.2.2	15 mm average thickness	70	sqm	642.15	44,951.00
12.3	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.	100	sqm	782.15	78,215.00
12.5	Providing and fixing G.I "U" bolt clamps of 6 mm dia. of approved design for fixing SCI/SCI (spun) /GI/ CPVC/UPVC/PVC pipe of different dia to G.I bracket with nut and washer as directed by Engineer in Charge. (Cost of G.I brackets shall be paid separately in relevant item)				-
12.5.1	For 100/110 mm dia pipe	3	each	28.65	86.00

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12.6	Providing and fixing G.I bracket of approved design to support GI/SCI/SCI(SPUN)/PVC/CPVC/UPVC pipes comprising G.I bracket of minimum cross section 32 X 2.5 mm and specified length, projecting 60 mm from the wall surface and fixed on wall with 2 nos plumber nails of size 75 mm. The pipes shall be fixed to the already fixed bracket with help of GI 'U' bolt as directed by Engineer-in –charge. (Cost of 'U' clamp shall be paid separately in relevant item.)				
12.6.1	Bracket length 150 mm.	3	each	50.70	152.00
12.7	Providing and Fixing 0.8 mm thick steel deck profile sheet of pitch 230 mm (± 2 mm) crest height 51 mm (±2 mm) and crest width 89mm (± 2 mm) total coating thickness with zinc - aluminium coating 120 grams per sq.m as per 15:277 in 240 MPA steel grade, primer and expoy colour coating of 10 micron each, bottom coating of 25 micron. The sheet shall be fixed using self drilling/self drilling /self tapping screws complete upto any pitch in horizontal/ inclined surface as per direction of competent authority.	12	Sq.m	870	10440
	Total				4,63,512
	Add for revised GST @18% in place of 12% ie 6.33% on 463512				29,340.00
	Total				4,92,852.00
	Add Cost Index @24% on SR&DR Total =	3,29,668			79,120.00
	Total				<b>5,71,972.00</b>

**(Rupees Five Lakh Seventy One Thousand Nine Hundred Seventy Two Only)**

Add \_\_\_\_\_ % above / \_\_\_\_\_ % Below the estimated cost.

Tendered cost (Including GST ) :

Name ,sign and seal of the agency

Date