

Detailed Estimate

OD/346/3305/116251/393157/00064600 : repair and restoration of panabandha AWC building

Block : Nilgiri, Gram Panchayat : Sajangarh

Created By:BAIDYANATH SINGH

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pile cap	2.000	3.000	3.000	0.660	0.000	11.880	-
Total Quantity					11.88 Cft (Cubic Foot)		0.336403584 Cum (Cubic Meter)	
Amount					0.336403584 X 240.77592		81.00	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pile cap	2.000	3.000	3.000	0.160	0.000	2.880	-
Total Quantity					2.88 Cft (Cubic Foot)		0.081552384 Cum (Cubic Meter)	
Amount					0.081552384 X 1184.531232		96.60	
3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pile cap	2.000	3.000	3.000	0.250	0.000	4.500	-

Total Quantity	4.5 Cft (Cubic Foot)	0.1274256 Cum (Cubic Meter)
Amount	0.1274256 X 6203.89714824	790.54

4. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Cap	2.000	2.000	3.000	0.500	0.000	6.000	-
ii	G.B	1.000	2.000	15.000	0.830	0.000	24.900	-
iii	COLs/s	2.000	4.000	0.830	5.420	0.000	35.989	-
Total Quantity					66.8888 Sft (Square Foot)		6.2141701864 Sqm (Square Meter)	
Amount					6.2141701864 X 216.23489289764		1343.72	

5. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position

Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	QNTL	0.850	1.000	1.000	1.000	0.000	0.850	-
Total Quantity					0.85 Qntl (Quintal)		0.85 Qntl (Quintal)	
Amount					0.85 X 8932.3929845		7592.53	

6. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	1.000	15.000	0.830	5.420	0.000	67.479	-
Total Quantity					67.479 Cft (Cubic Foot)		1.9107893472 Cum (Cubic Meter)	
Amount					1.9107893472 X 5574.150209232		10651.03	

7. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring

Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	SLAB	1.000	27.660	22.250	0.000	0.000	615.435	-
Total Quantity					615.435 Sft (Square Foot)		57.175757805 Sqm (Square Meter)	
Amount					57.175757805 X 100.34838709677		5737.50	

8. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	27.660	22.250	1.000	0.000	615.435	-
Total Quantity					615.435 Sft (Square Foot)		57.175757805 Sqm (Square Meter)	
Amount					57.175757805 X 364.7872625548		20856.99	

9. Dismantling (AR1612) : First floor

Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	ROOM	1.000	11.750	9.000	0.000	0.000	105.750	-
ii		1.000	11.750	15.160	0.000	0.000	178.130	-
iii		1.000	26.660	7.000	0.000	0.000	186.620	-
Total Quantity					470.5 Sft (Square Foot)		43.7108615 Sqm (Square Meter)	
Amount					43.7108615 X 105.36580645161		4605.63	

10. Flooring (AR0817aa) : First floor

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOM	1.000	11.750	9.000	0.000	0.000	105.750	-
ii		1.000	11.750	15.160	0.000	0.000	178.130	-
iii		1.000	26.660	7.000	0.000	0.000	186.620	-
Total Quantity					470.5 Sft (Square Foot)		43.7108615 Sqm (Square Meter)	
Amount					43.7108615 X 1580.285371921		69075.64	

11. Flooring (AR0817b) : First floor

Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	CLASS ROOM	1.000	11.750	0.500	0.000	0.000	5.875	-
ii		1.000	9.000	0.500	0.000	0.000	4.500	-
iii		1.000	11.750	0.500	0.000	0.000	5.875	-

iv		1.000	15.160	0.500	0.000	0.000	7.580	-
v		1.000	26.660	0.500	0.000	0.000	13.330	-
Total Quantity					37.16 Sft (Square Foot)		3.45227548 Sqm (Square Meter)	
Amount					3.45227548 X 910.699811921		3143.99	

12. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside

12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	B WALL	1.000	15.000	6.250	0.000	0.000	93.750	-
Total Quantity					93.75 Sft (Square Foot)		8.70965625 Sqm (Square Meter)	
Amount					8.70965625 X 175.8015054448		1531.17	

13. Plastering (AR1014) : First Floor

16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	B WALL	1.000	15.000	6.250	0.000	0.000	93.750	-
ii		4.000	3.000	2.000	0.000	0.000	24.000	-
iii		2.000	1.500	2.000	0.000	0.000	6.000	-
iv		5.000	1.000	1.750	0.000	0.000	8.750	-
v		2.000	3.000	2.500	0.000	0.000	15.000	-
Total Quantity					147.5 Sft (Square Foot)		13.7031925 Sqm (Square Meter)	

Amount				13.7031925 X 257.326710008			3526.20	
14. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)								
6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	CLASS ROOM	1.000	11.750	9.000	0.000	0.000	105.750	-
ii		1.000	11.750	15.160	0.000	0.000	178.130	-
iii		1.000	25.000	6.170	0.000	0.000	154.250	-
Total Quantity					438.13 Sft (Square Foot)		40.70359139 Sqm (Square Meter)	
Amount				40.70359139 X 191.5572790432			7797.07	
15. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface								
Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	WIN	3.000	2.750	3.500	3.920	0.000	113.190	-
ii	DOOR	2.000	2.250	3.500	6.500	0.000	102.375	-
Total Quantity					215.565 Sft (Square Foot)		20.026635195 Sqm (Square Meter)	
Amount				20.026635195 X 230.35420628603			4613.22	
16. Painting (AR0920a) : First Floor								
Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i		1.000	2.000	11.750	10.000	0.000	235.000	-
ii		1.000	2.000	9.000	10.000	0.000	180.000	-
iii		1.000	1.000	11.750	9.000	0.000	105.750	-
iv		1.000	2.000	11.750	10.000	0.000	235.000	-
v		1.000	2.000	15.160	10.000	0.000	303.200	-
vi		1.000	1.000	11.750	15.160	0.000	178.130	-
vii		1.000	1.000	26.660	10.000	0.000	266.600	-
viii		1.000	2.000	6.160	3.500	0.000	43.120	-
ix		1.000	1.000	26.660	3.500	0.000	93.310	-
x		0.000	1.000	25.000	6.160	0.000	154.000	-
xi		0.500	2.000	3.500	6.500	0.000	-	22.750
xii		0.500	3.000	3.500	3.920	0.000	-	20.580
Total Quantity					1750.78 Sft (Square Foot)		162.65271434 Sqm (Square Meter)	
Amount					162.65271434 X 170.21843963387		27686.49	
17. Painting (AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside)								
Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	B WALL	0.000	2.000	15.000	6.250	0.000	187.500	-
ii		1.000	1.000	26.660	11.500	0.000	306.590	-
iii		1.000	2.000	13.410	11.500	0.000	308.430	-
iv		1.000	2.000	7.000	3.500	0.000	49.000	-

v		1.000	1.000	26.660	3.500	0.000	93.310	-
vi		1.000	1.000	40.660	3.000	0.000	121.980	-
vii		6.000	4.000	0.830	6.500	0.000	129.480	-
viii		0.000	1.000	100.070	0.330	0.000	33.023	-
ix		0.500	2.000	3.500	6.500	0.000	-	22.750
x		0.500	3.000	3.500	3.920	0.000	-	20.580
Total Quantity					1185.9831 Sft (Square Foot)		110.1813879393 Sqm (Square Meter)	
Amount					110.1813879393 X 156.86604451751		17283.72	
Total Amount							186413.02	
Addition								
Provision for PH Work (+) @							8200.00	
Provision for EI Work (+) @								
Provision for Contingency (+) @							2000.00	
Display Citizen Board (+) @							1000.00	
Any Other Lumpsum (+) @							2386.00	
Provision for survey investigation and quality control (+) @								
Total Addition							13586.00	
Grand Net Total Amount							199999.02	

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