

Detailed Estimate

OD/356/3401/118454/400791/00066925 : REPAIR AND RESTORATION OF SALABA PRIMARY SCHOOL

Block : Korei, Gram Panchayat : Mulapal

Created By: Bijay Kumar Nayak

1. 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	Classroom	1.000	22.000	16.000	0.000	0.000	352.000	-	
ii	Verandah	1.000	23.660	7.000	0.000	0.000	165.620	-	
iii	Ramp	1.000	8.000	5.410	0.000	0.000	43.280	-	
iv	Steps (R)	3.000	11.410	0.500	0.000	0.000	17.115	-	
v	T	2.000	11.410	1.000	0.000	0.000	22.820	-	
vi	Deduct(Col. area)	5.000	0.000	0.000	0.000	0.000	-	5.000	
Total Quantity					595.835 Sft (Square Foot)		55.354859005 Sqm (Square Meter)		
Amount					55.354859005 X 100.34838709677		5554.77		
2. Dismantling (AR1625) : Dismantling and removing R.C.C. Chajja, Shelves, fins and parapet									
Dismantling and removing R.C.C. Chajja, Shelves, fins and parapet 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	Chajja	1.000	52.320	2.000	0.000	0.000	104.640	-	
ii	Chajja(W)	2.000	6.000	2.000	0.000	0.000	24.000	-	
iii	Cornice	1.000	49.320	0.660	0.000	0.000	32.551	-	

Total Quantity	161.1912 Sft (Square Foot)	14.9751460536 Sqm (Square Meter)
Amount	14.9751460536 X 175.60967741935	2629.78

3. R.C.C. Work (AR0404B) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9).

R.C.C. work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section 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(Nominal mix as per IS-456, Table-9).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Chajja	1.000	52.320	2.000	0.330	0.000	34.531	-
ii	Cornice(side)	1.000	45.830	0.660	0.330	0.000	9.982	-
iii		1.000	28.000	0.660	0.330	0.000	6.098	-
iv	Chajja(W)	2.000	6.000	2.000	0.250	0.000	6.000	-
Total Quantity					56.611374 Cft (Cubic Foot)		1.6030529552832 Cum (Cubic Meter)	
Amount					1.6030529552832 X 6339.1839064132		10162.05	

4. 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	Classroom	1.000	22.000	16.000	0.330	0.000	116.160	-
ii	Verandah	1.000	23.660	7.000	0.330	0.000	54.655	-
iii	Deduct(Col. area)	5.000	0.000	0.000	0.330	0.000	-	1.650
Total Quantity					169.1646 Cft (Cubic Foot)		4.79020014528 Cum (Cubic Meter)	

Amount		4.79020014528 X 6108.44133316					29260.66	
5. Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1								
Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Steps	2.000	11.410	1.000	0.000	0.000	22.820	-
ii	Ramp	1.000	8.000	5.410	0.000	0.000	43.280	-
Total Quantity					66.1 Sft (Square Foot)		6.1408883 Sqm (Square Meter)	
Amount		6.1408883 X 953.3425445748					5854.37	
6. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory								
Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Classroom	1.000	22.000	16.000	0.000	0.000	352.000	-
ii	Verandah	1.000	23.660	7.000	0.000	0.000	165.620	-
iii	Deduct(Col)	5.000	5.000	0.000	0.000	0.500	-	12.500
Total Quantity					505.12 Sft (Square Foot)		46.92716336 Sqm (Square Meter)	
Amount		46.92716336 X 1011.1973027426					47452.62	
7. Flooring (AR0817aa) : 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)								
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	Classroom	1.000	76.000	0.000	0.500	0.000	38.000	-
ii	Verandah	1.000	22.000	0.000	0.500	0.000	11.000	-
iii	Deduct (D)	2.000	3.500	0.000	0.500	0.000	3.500	-
Total Quantity					52.5 Sft (Square Foot)		4.8774075 Sqm (Square Meter)	
Amount					4.8774075 X 1531.916422431		7471.78	

8. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room (inside)	1.000	76.000	0.000	10.000	0.000	760.000	-
ii	Ceiling	1.000	22.000	16.000	0.000	0.000	352.000	-
iii	Ver. ceiling	1.000	23.660	7.000	0.000	0.000	165.620	-
iv	ver. wall	1.000	37.660	0.000	3.000	0.000	112.980	-
v	D	2.000	3.500	0.000	6.500	0.500	-	22.750
vi	W	2.000	3.500	0.000	4.500	0.500	-	15.750
vii	Outside	1.000	24.000	0.000	12.000	0.000	288.000	-
viii		2.000	16.000	0.000	12.000	0.000	384.000	-
ix	Front wall	1.000	38.000	0.000	12.000	0.000	456.000	-
x	Col	5.000	3.000	0.000	6.330	0.000	94.950	-
xi	Chajja	1.000	52.320	0.000	5.000	0.000	261.600	-
xii	Chajja(W)	2.000	6.000	0.000	5.000	0.000	60.000	-
xiii	front walll	1.000	24.000	0.000	3.000	0.000	72.000	-

xiv	Deduct (D)	2.000	3.500	0.000	6.500	0.500	-	22.750
xv	W	2.000	3.500	0.000	4.500	0.500	-	15.750
Total Quantity					2930.15 Sft (Square Foot)		272.21972545 Sqm (Square Meter)	
Amount					272.21972545 X 72.552972585806		19750.35	

9. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes 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	Room (inside)	1.000	76.000	0.000	10.000	0.000	760.000	-
ii	ceiling	1.000	22.000	16.000	0.000	0.000	352.000	-
iii	ver. ceiling	1.000	23.660	7.000	0.000	0.000	165.620	-
iv	wall	1.000	37.660	0.000	3.000	0.000	112.980	-
v	Door	2.000	3.500	0.000	6.500	0.500	-	22.750
vi	Window	2.000	3.500	0.000	4.500	0.500	15.750	-
Total Quantity					1383.6 Sft (Square Foot)		128.5405908 Sqm (Square Meter)	
Amount					128.5405908 X 94.775145275		12182.45	

10. 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	Outside	1.000	24.000	0.000	12.000	0.000	288.000	-
ii		2.000	16.000	0.000	12.000	0.000	384.000	-

iii	Front wall	1.000	38.000	0.000	12.000	0.000	456.000	-	
iv	Col	5.000	3.000	0.000	6.330	0.000	94.950	-	
v	Chajja	1.000	52.320	0.000	5.000	0.000	261.600	-	
vi	Chajja(W)	2.000	6.000	0.000	5.000	0.000	60.000	-	
vii	front walll	1.000	24.000	0.000	3.000	0.000	72.000	-	
viii	Deduct (D)	2.000	3.500	0.000	6.500	0.500	-	22.750	
ix	W	2.000	3.500	0.000	4.500	0.500	-	15.750	
Total Quantity					1578.05 Sft (Square Foot)		146.60557915 Sqm (Square Meter)		
Amount					146.60557915 X 156.66515561851		22967.99		

11. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.

Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Doors	2.000	3.500	0.000	6.500	0.000	45.500	-	
ii	Windows	2.000	3.500	0.000	4.500	0.000	31.500	-	
Total Quantity					77 Sft (Square Foot)		7.153531 Sqm (Square Meter)		
Amount					7.153531 X 66.00547087751		472.17		

12. 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	Doors	2.000	3.500	0.000	6.500	0.000	45.500	-
ii	Windows	2.000	3.500	0.000	4.500	0.000	31.500	-

Total Quantity			77 Sft (Square Foot)				7.153531 Sqm (Square Meter)	
Amount			7.153531 X 229.60678921703				1642.50	
13. 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 specification and direction of Engineer-in charge. (new work)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	School	1.000	26.000	27.000	0.000	0.000	702.000	-
Total Quantity			702 Sft (Square Foot)				65.217906 Sqm (Square Meter)	
Amount			65.217906 X 363.4948926532				23706.38	
14. Flooring (AR0817ap) : Fixing Chequered Tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3)								
Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing complete including cost of precast tiles.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Steps	3.000	11.410	0.000	0.500	0.000	17.115	-
ii	Ramp	2.000	8.000	0.000	1.000	0.000	16.000	-
Total Quantity			33.115 Sft (Square Foot)				3.076482845 Sqm (Square Meter)	
Amount			3.076482845 X 1087.42524155				3345.45	
Total Amount							192453.31	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							2622.00	

Provision for Contingency (+) @	1924.53
Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	7546.53
Grand Net Total Amount	199999.84

Bijay Kumar Nayak
JE
Korei Block

SWAGAT KUMAR DASH
AEE
Korei Block

Abanikanta Sahoo
BDO
Korei Block