

Detailed Estimate

OD/346/3308/116301/394212/00066573 : repair & renovation of kalasuni m.e. school.

Block : Simulia, Gram Panchayat : Iswarpur

Created By:SHRI SUNIL KUMAR PATEL

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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	1.000	6.500	4.650	0.000	0.000	30.225	-
ii	Floor	1.000	6.500	2.400	0.000	0.000	15.600	-
Total Quantity					45.825 Sqm (Sqm)		45.825 Sqm (Square Meter)	
Amount					45.825 X 100.34838709677		4598.46	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	1.000	6.500	4.650	0.250	0.000	7.556	-
ii	Floor	1.000	6.500	2.400	0.250	0.000	3.900	-
Total Quantity					11.45625 cum (cum)		11.45625 Cum (Cubic Meter)	
Amount					11.45625 X 1493.995232		17115.58	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	1.000	6.500	4.650	0.100	0.000	3.023	-

ii	Floor	1.000	6.500	2.400	0.100	0.000	1.560	-
Total Quantity					4.5825 cum (cum)		4.5825 Cum (Cubic Meter)	
Amount					4.5825 X 6284.3299587		28797.94	
4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum								
Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	1.000	6.500	4.650	0.075	0.000	2.267	-
ii	Floor	1.000	6.500	2.400	0.075	0.000	1.170	-
Total Quantity					3.436875 cum (cum)		3.436875 Cum (Cubic Meter)	
Amount					3.436875 X 7707.5434009		26489.86	
5. 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	4.350	0.250	0.520	0.000	0.566	-
Total Quantity					0.5655 cum (cum)		0.5655 Cum (Cubic Meter)	
Amount					0.5655 X 5200.84721276		2941.08	
6. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips								
Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	Collumn	2.000	0.250	0.250	0.900	0.000	0.113	-
ii	Beam	1.000	5.650	0.650	0.100	0.000	0.367	-
iii	Beam	1.000	5.650	0.600	0.300	0.000	1.017	-
Total Quantity					1.49675 cum (cum)		1.49675 Cum (Cubic Meter)	
Amount					1.49675 X 6745.5997098855		10096.48	

7. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Ms Rod	1.675	0.000	0.000	0.000	0.900	1.507	-
Total Quantity					1.507455 Qntl (Quintal)		1.507455 Qntl (Quintal)	
Amount					1.507455 X 8421.6029474		12695.19	

8. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

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. beams, column, grider and bressmer, etc. Data for 4.2sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Collumn	2.000	0.250	0.000	0.900	4.000	1.800	-
ii	Beam	1.000	5.650	0.000	0.100	2.000	1.130	-
iii	Beam	1.000	5.650	0.000	0.300	2.000	3.390	-
Total Quantity					6.32 Sqm (Sqm)		6.32 Sqm (Square Meter)	
Amount					6.32 X 1047.3822930467		6619.46	

9. Plastering (AR1014i) : 16mm thick cement Plaster in CM (1:6) over brick work in outside (outside)

16mm thick cement Plaster in CM (1:6) over brick work in outside 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	Gate	2.000	2.600	0.000	3.500	0.000	18.200	-
ii	Top	2.000	4.350	0.000	0.520	0.000	4.524	-
Total Quantity					22.724 Sqm (Sqm)		22.724 Sqm (Square Meter)	
Amount					22.724 X 257.35818989		5848.21	

10. Other Building Items. (AR1902) : cement based wall putty (water based)

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Celling	1.000	6.500	4.650	0.000	0.000	30.225	-
ii		2.000	6.500	3.150	0.000	0.000	40.950	-
iii		2.000	4.650	3.150	0.000	0.000	29.295	-
Total Quantity					100.47 Sqm (Sqm)		100.47 Sqm (Square Meter)	
Amount					100.47 X 79.21834		7959.07	

11. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner 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		1.000	6.500	4.650	0.000	0.000	30.225	-
ii		3.000	6.500	3.150	0.000	0.000	61.425	-
iii		2.000	4.650	3.150	0.000	0.000	29.295	-
iv		1.000	6.500	1.000	0.000	0.000	6.500	-

v		2.000	2.400	1.000	0.000	0.000	4.800	-
Total Quantity					132.245 Sqm (Sqm)		132.245 Sqm (Square Meter)	
Amount					132.245 X 71.83248932951		9499.49	
12. 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		1.000	6.500	4.650	0.000	0.000	30.225	-
ii		3.000	6.500	3.150	0.000	0.000	61.425	-
iii		2.000	4.650	3.150	0.000	0.000	29.295	-
iv		1.000	6.500	1.000	0.000	0.000	6.500	-
v		2.000	2.400	1.000	0.000	0.000	4.800	-
Total Quantity					132.245 Sqm (Sqm)		132.245 Sqm (Square Meter)	
Amount					132.245 X 94.7526285875		12530.56	
13. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor								
Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 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		1.000	6.500	4.650	0.000	0.000	30.225	-
ii		1.000	7.000	2.400	0.000	0.000	16.800	-
Total Quantity					47.025 Sqm (Sqm)		47.025 Sqm (Square Meter)	
Amount					47.025 X 1192.404149882		56072.81	

14. Flooring (AR0817a) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755)

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 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		1.000	7.000	0.000	0.150	0.000	1.050	-
ii		2.000	6.500	0.000	0.150	0.000	1.950	-
iii		2.000	4.650	0.000	0.150	0.000	1.395	-
Total Quantity					4.395 Sqm (Sqm)		4.395 Sqm (Square Meter)	
Amount					4.395 X 1331.508879836		5851.98	

15. 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	Slab	1.000	7.300	8.090	0.000	0.000	59.057	-
Total Quantity					59.057 Sqm (Sqm)		59.057 Sqm (Square Meter)	
Amount					59.057 X 369.838993614		21841.58	

16. Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks

Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Gate	2.000	2.600	0.000	3.500	17.000	309.400	-
Total Quantity					309.4 Kg (Kilo Gram)		3.094 Qntl (Quintal)	
Amount					3.094 X 13225.897572252		40920.93	

Total Amount	269878.67
Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	1375.00
Display Citizen Board (+) @	1000.00
Any Other Lumpsum (+) @	2746.32
Provision for survey investigation and quality control (+) @	
Total Addition	5121.32
Grand Net Total Amount	274999.99

SHRI SUNIL KUMAR PATEL
JE
Simulia Block

SAROJ TIGGA
AEE
Simulia Block

Saswati Sadual
BDO
Simulia Block