

Detailed Estimate

OD/362/3460/119612/408523/00017943 : Repair & Maintenance of Govt. Primary School, Ranasinghpur
Block : Bhubaneswar, Gram Panchayat : Ranasinghpur
Created By:Smt Rasmita Karan

1. 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/cm ² 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	2.000	8.160	0.830	3.160	0.000	42.804	-
ii	W	2.000	10.500	0.830	3.160	0.000	55.079	-
iii	Wash Basin	2.000	1.500	0.410	2.500	0.000	3.075	-
iv	Wash Ba	1.000	8.500	0.410	2.500	0.000	8.713	-
v	W	1.000	8.500	1.500	1.000	0.000	12.750	-
vi	w	1.000	4.000	1.000	1.000	0.000	4.000	-
Total Quantity					126.420396 Cft (Cubic Foot)		3.5798210694528 Cum (Cubic Meter)	
Amount					3.5798210694528 X 5033.7072658		18019.77	
2. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.								
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	Wall	2.000	8.160	0.000	3.160	0.000	51.571	-
ii	wall	2.000	10.500	0.000	3.160	0.000	66.360	-
iii	W	1.000	8.160	0.000	0.830	0.000	6.773	-

iv	W	2.000	10.500	0.000	0.830	0.000	17.430	-
v	W	2.000	1.500	0.000	2.500	0.000	7.500	-
vi	W	1.000	8.500	0.000	2.500	0.000	21.250	-
vii		1.000	8.500	0.000	1.000	0.000	8.500	-
viii		1.000	4.000	0.000	1.000	0.000	4.000	-
ix		2.000	1.500	0.000	1.000	0.000	3.000	-
x		1.000	8.500	0.000	1.000	0.000	8.500	-
xi		1.000	8.500	0.000	1.500	0.000	12.750	-
xii		1.000	4.000	0.000	1.000	0.000	4.000	-
Total Quantity					211.634 Sft (Square Foot)		19.661433502 Sqm (Square Meter)	
Amount					19.661433502 X 239.91920265		4717.16	
3. 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	8.500	0.000	2.500	0.000	21.250	-
ii		1.000	4.000	0.000	1.000	0.000	4.000	-
Total Quantity					25.25 Sft (Square Foot)		2.34580075 Sqm (Square Meter)	
Amount					2.34580075 X 1181.094521766		2770.61	
4. Flooring (AR0817b) : 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)								

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	Wash Basin	2.000	1.500	0.000	2.500	0.000	7.500	-
ii		2.000	8.500	0.000	2.500	0.000	42.500	-
iii		2.000	1.500	0.000	1.000	0.000	3.000	-
iv		3.000	8.500	0.000	1.000	0.000	25.500	-
v		1.000	8.500	0.000	1.500	0.000	12.750	-
Total Quantity					91.25 Sft (Square Foot)		8.47739875 Sqm (Square Meter)	
Amount					8.47739875 X 869.961756336		7375.01	

5. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)

Finishing wall two coats with distemper 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	76.000	0.000	10.000	0.000	760.000	-
ii		1.000	16.000	0.000	22.000	0.000	352.000	-
iii		1.000	22.000	0.000	8.000	0.000	176.000	-
iv		1.000	60.000	0.000	10.000	0.000	600.000	-
v	door	0.500	2.000	3.750	6.830	0.000	-	25.613
vi		0.500	2.000	3.500	4.000	0.000	-	14.000
vii		0.500	2.000	8.160	3.330	0.000	-	27.173
viii		0.500	2.000	10.500	3.330	0.000	-	34.965
ix		0.500	1.000	3.500	6.000	0.000	-	10.500

Total Quantity	1775.7497 Sft (Square Foot)	164.9724743791 Sqm (Square Meter)
Amount	164.9724743791 X 78.835517175	13005.69

6. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer

Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, 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	out side	2.000	12.660	0.000	7.000	0.000	177.240	-
ii		2.000	6.250	0.000	7.000	0.000	87.500	-
iii		1.000	12.660	0.000	2.000	0.000	25.320	-
iv		2.000	7.320	0.000	7.160	0.000	104.822	-
v		2.000	12.660	0.000	3.000	0.000	75.960	-
vi		1.000	12.660	0.000	1.000	0.000	12.660	-
vii		0.500	2.000	3.000	6.000	0.000	-	18.000

Total Quantity	465.5024 Sft (Square Foot)	43.2465694672 Sqm (Square Meter)
Amount	43.2465694672 X 160.03361322815	6920.90

7. 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	D	3.000	3.250	0.000	6.000	2.250	131.625	-
ii		2.000	3.750	0.000	6.830	2.250	115.256	-
iii		4.000	3.000	0.000	7.000	2.250	189.000	-
iv		6.000	3.330	0.000	3.330	2.750	182.967	-

v		2.000	3.500	0.000	4.000	2.750	77.000	-
vi		2.000	9.000	0.000	3.330	0.500	29.970	-
vii		1.000	5.410	0.000	3.330	0.500	9.008	-
viii		1.000	7.830	0.000	3.330	0.500	13.037	-
ix		1.000	3.580	0.000	6.000	0.500	10.740	-
x		2.000	8.160	0.000	3.330	0.500	27.173	-
xi		2.000	10.500	0.000	3.330	0.500	34.965	-
xii		1.000	3.500	0.000	6.000	0.500	10.500	-
Total Quantity					831.2405 Sft (Square Foot)		77.2247361715 Sqm (Square Meter)	
Amount					77.2247361715 X 66.11573166851		5105.77	

8. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours 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	ver grill	2.000	8.160	0.000	3.330	2.000	108.691	-
ii		2.000	10.500	0.000	3.330	2.000	139.860	-
iii		1.000	3.500	0.000	6.000	2.000	42.000	-
Total Quantity					290.5512 Kg (Kilo Gram)		2.905512 Qntl (Quintal)	
Amount					2.905512 X 16323.912111087		47429.32	

9. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)

Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes 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
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i	D	3.000	3.250	0.000	6.000	2.250	131.625	-
ii		2.000	2.750	0.000	6.830	2.250	84.521	-
iii		4.000	3.000	0.000	7.000	2.250	189.000	-
iv		6.000	3.330	0.000	3.330	2.750	182.967	-
v		2.000	3.500	0.000	4.000	0.500	14.000	-
vi		2.000	9.000	0.000	3.330	0.500	29.970	-
vii		1.000	5.410	0.000	3.330	0.500	9.008	-
viii		1.000	7.830	0.000	3.330	0.500	13.037	-
ix		1.000	3.580	0.000	6.000	0.500	10.740	-
x		2.000	8.160	0.000	3.330	0.500	27.173	-
xi		2.000	10.500	0.000	3.330	0.500	34.965	-
xii		1.000	3.500	0.000	6.000	0.500	10.500	-
Total Quantity					737.5055 Sft (Square Foot)		68.5164734665 Sqm (Square Meter)	
Amount					68.5164734665 X 164.22772665202		11252.30	
Total Amount							116596.54	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							16412.00	
Provision for Contingency (+) @							1490.00	
Display Citizen Board (+) @							1000.00	
Any Other Lumpsum (+) @							13501.00	
Provision for survey investigation and quality control (+) @								

Total Addition	32403.00
Grand Net Total Amount	148999.54

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