

Detailed Estimate

OD/348/3323/116633/394830/00063737 : MAINTENANCE AND IMPROVEMENT OF OLTUNGA PRIMARY SCHOOL BUILDING.

Block : Bhadrak, Gram Panchayat : Kalei

Created By:MANOJ KUMAR BEHERA

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	Earth work in excavation of foundation etc complete.	31.000	0.900	0.900	1.050	0.000	26.366	-
Total Quantity					26.3655 cum (cum)		26.3655 Cum (Cubic Meter)	
Amount					26.3655 X 240.77592		6348.18	
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	Filling (F&P) with sand well watred rammed etc complete	31.000	0.900	0.900	0.150	0.000	3.767	-
Total Quantity					3.7665 cum (cum)		3.7665 Cum (Cubic Meter)	
Amount					3.7665 X 1277.855232		4813.04	
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	PCC (1:3:6) using 40mm size h.g. metal	31.000	0.900	0.900	0.100	0.000	2.511	-
Total Quantity					2.511 cum (cum)		2.511 Cum (Cubic Meter)	
Amount					2.511 X 6372.31233938		16000.88	

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

12mm thick cement plaster (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	Bondar wall	2.000	68.000	0.000	1.550	0.000	210.800	-
ii	Top	1.000	68.000	0.000	0.250	0.000	17.000	-
iii	School	2.000	3.500	0.000	0.900	0.000	6.300	-
iv	school	3.000	1.350	0.000	0.750	0.000	3.038	-
Total Quantity					237.1375 Sqm (Sqm)		237.1375 Sqm (Square Meter)	
Amount					237.1375 X 176.6715278076		41895.44	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	248.000	0.850	0.000	0.000	0.000	210.800	-
ii	Column	31.000	4.000	0.000	2.150	0.000	266.600	-
iii	gr beam	5.000	68.000	0.000	0.000	0.000	340.000	-
iv	Styrup column	434.000	0.500	0.000	0.000	0.000	217.000	-

v	Styrup gr beam	605.000	0.500	0.000	0.000	0.000	302.500	-
Total Quantity					1336.9 Kg (Kilo Gram)		13.369 Qntl (Quintal)	
Amount					13.369 X 9202.1631765		123023.72	
6. 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	Providing vitrified tile to floor	1.000	7.200	2.150	0.000	0.000	15.480	-
ii	Ramp	1.000	3.000	2.200	0.000	0.000	6.600	-
iii	Skirting	1.000	7.200	0.150	0.000	0.000	1.080	-
Total Quantity					23.16 Sqm (Sqm)		23.16 Sqm (Square Meter)	
Amount					23.16 X 1527.497879986		35376.85	
7. 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	RCC M-20 for base	31.000	0.900	0.900	0.225	0.000	5.650	-
ii	2nd footing	31.000	0.795	0.795	0.225	0.000	4.408	-
Total Quantity					10.058124375 cum (cum)		10.058124375 Cum (Cubic Meter)	

Amount						10.058124375 X 6679.1149735291	67179.37	
8. R.C.C. Work (AR0404Ab) : 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 Plinth band)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	RCC M-20	1.000	68.000	0.250	0.250	0.000	4.250	-
Total Quantity					4.25 cum (cum)		4.25 Cum (Cubic Meter)	
Amount						4.25 X 7435.9370986708	31602.73	
9. R.C.C. Work (AR0404Bb) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Plinth band)(Nominal mix as per IS-456, Table-9).								
Reinforced cement concrete 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)(Nominal mix as per IS-456, Table-9)..								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	RCC M-20 gor column	31.000	0.250	0.250	1.820	0.000	3.526	-
Total Quantity					3.52625 cum (cum)		3.52625 Cum (Cubic Meter)	
Amount						3.52625 X 7435.9370986708	26220.97	
10. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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	Fly ash brick in (F&P)	1.000	68.000	0.375	0.100	0.000	2.550	-

ii	Column	31.000	0.250	0.375	0.100	0.000	0.291	-
Total Quantity					2.840625 cum (cum)		2.840625 Cum (Cubic Meter)	
Amount					2.840625 X 5296.740998584		15046.05	
11. 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	Fly-ash brick in S/S	1.000	68.000	0.250	1.300	0.000	22.100	-
ii	column	31.000	0.250	0.250	1.300	0.000	-	2.519
Total Quantity					19.58125 cum (cum)		19.58125 Cum (Cubic Meter)	
Amount					19.58125 X 5330.070998584		104369.45	
12. 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
i	Door	2.000	1.050	2.250	1.800	0.000	8.505	-
ii	Window	2.000	1.050	2.750	1.150	0.000	6.641	-
Total Quantity					15.14625 Sqm (Sqm)		15.14625 Sqm (Square Meter)	
Amount					15.14625 X 164.22772665202		2487.43	
13. Painting (AR0918Ai) : Finishing wall one coat with weather coat								

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	Boundary wall	2.000	68.000	0.000	1.550	0.000	210.800	-
ii	Top	1.000	68.000	0.000	0.250	0.000	17.000	-
iii	School out side	2.000	7.200	0.000	3.000	0.000	43.200	-
iv	School	2.000	5.100	0.000	3.000	0.000	30.600	-
v	verandah	1.000	11.500	0.000	0.900	0.000	10.350	-
vi	chajja	2.000	7.500	0.000	0.450	0.000	6.750	-
vii	w/s chajja	2.000	1.350	0.000	0.450	0.000	1.215	-
viii	door	2.000	1.050	0.000	1.800	0.000	-	3.780
ix	window	2.000	1.050	0.000	1.250	0.000	-	2.625
Total Quantity					313.51 Sqm (Sqm)		313.51 Sqm (Square Meter)	
Amount					313.51 X 57.0910986525		17898.63	
Total Amount							492262.76	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4922.63	
Display Citizen Board (+) @							2814.61	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							7737.24	

Grand Net Total Amount

500000.00

MANOJ KUMAR BEHERA
JE
Bhadrak Block

SUKANTA MISHRA
AEE
Bhadrak Block

RASMI RANJAN MALLICK
BDO
Bhadrak Block