

Detailed Estimate

OD/348/3323/116633/394830/00017890 : 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 (base)	31.000	0.940	0.940	1.050	0.000	28.761	-
Total Quantity					28.76118 cum (cum)		28.76118 Cum (Cubic Meter)	
Amount					28.76118 X 240.77592		6925.00	
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	Filling (F&P) sand	31.000	0.940	0.940	0.150	0.000	4.109	-
Total Quantity					4.10874 cum (cum)		4.10874 Cum (Cubic Meter)	
Amount					4.10874 X 1277.855232		5250.37	
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	C.C. (1:3:6)	31.000	0.940	0.940	0.100	0.000	2.739	-

Total Quantity		2.73916 cum (cum)		2.73916 Cum (Cubic Meter)				
Amount		2.73916 X 6491.22777998		17780.51				
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	12 mm thick C.P. (1:6) cm over brick work	2.000	68.000	0.000	1.850	0.000	251.600	-
Total Quantity		251.6 Sqm (Sqm)		251.6 Sqm (Square Meter)				
Amount		251.6 X 178.5305552196		44918.29				
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	124.000	2.500	0.000	0.000	0.000	310.000	-
iii	gr beam	6.000	68.000	0.000	0.000	0.000	408.000	-
Total Quantity		928.8 Kg (Kilo Gram)		9.288 Qntl (Quintal)				
Amount		9.288 X 9202.1631765		85469.69				
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	Base	31.000	0.940	0.940	0.225	0.000	6.163	-
ii	Base	31.000	0.755	0.755	0.225	0.000	3.976	-
Total Quantity					10.139034375 cum (cum)		10.139034375 Cum (Cubic Meter)	
Amount					10.139034375 X 7020.3699821911		71179.77	

7. 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 Gr beam	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 7777.1921073328		33053.07	

8. R.C.C. Work (AR0404Ac) : 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 Beams, Column, Girder & Bressmer etc)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	31.000	0.250	0.250	1.950	0.000	3.778	-
Total Quantity					3.778125 cum (cum)		3.778125 Cum (Cubic Meter)	

Amount		3.778125 X 15076.123369511					56959.48	
9. 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/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	Brick work	1.000	68.000	0.375	0.100	0.000	2.550	-
ii		31.000	0.250	0.250	0.100	0.000	-	0.194
Total Quantity					2.35625 cum (cum)		2.35625 Cum (Cubic Meter)	
Amount		2.35625 X 5345.865083664					12596.19	
10. 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	S/S	1.000	68.000	0.250	1.550	0.000	26.350	-
ii	column	31.000	0.250	0.250	1.550	0.000	-	3.003
Total Quantity					23.346875 cum (cum)		23.346875 Cum (Cubic Meter)	
Amount		23.346875 X 5379.195083664					125587.40	
11. Painting (AR0917h) : Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside)								
Finishing wall with one coat weather coat paint of approved shade including one coat of water 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	weather coat to bomdary wall	2.000	68.000	0.000	1.850	0.000	251.600	-
Total Quantity					251.6 Sqm (Sqm)		251.6 Sqm (Square Meter)	
Amount					251.6 X 129.94070563185		32693.08	
Total Amount							492412.85	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4924.13	
Display Citizen Board (+) @							2663.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							7587.13	
Grand Net Total Amount							499999.98	

MANOJ KUMAR BEHERA
JE
Bhadrak Block

SUKANTA MISHRA
AEE
Bhadrak Block

RASMI RANJAN MALLICK
BDO
Bhadrak Block