

Detailed Estimate

OD/371/3563/121373/382253/00066860 : DEVELOPMENT OF KHINDA PRIMARY SCHOOL

Block : Maneswar, Gram Panchayat : Dhama

Created By:Ranjit Maharana

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	Boundary Wall	1.000	36.000	0.600	0.750	0.000	16.200	-
Total Quantity					16.2 cum (cum)		16.2 Cum (Cubic Meter)	
Amount					16.2 X 240.77592		3900.57	
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	Boundary Wall	1.000	36.000	0.600	0.100	0.000	2.160	-
Total Quantity					2.16 cum (cum)		2.16 Cum (Cubic Meter)	
Amount					2.16 X 747.160832		1613.87	
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	Boundary Wall	1.000	36.000	0.600	0.100	0.000	2.160	-

Total Quantity				2.16 cum (cum)			2.16 Cum (Cubic Meter)	
Amount				2.16 X 5748.9688133			12417.77	
4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (23cm x 11cm 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall Footing	1.000	36.000	0.500	0.225	0.000	4.050	-
ii	Wall Footing	1.000	36.000	0.375	0.300	0.000	4.050	-
iii	Wall Footing	1.000	36.000	0.225	0.225	0.000	1.823	-
iv	Column Projection	32.000	0.600	0.075	0.750	0.000	1.080	-
Total Quantity				11.0025 cum (cum)			11.0025 Cum (Cubic Meter)	
Amount				11.0025 X 5227.83116864			57519.21	
5. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (23cm x 11cm 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	36.000	0.225	2.250	0.000	18.225	-
ii	Column Projection	32.000	0.600	0.075	2.250	0.000	3.240	-
iii	Coping	1.000	36.000	0.375	0.125	0.000	1.688	-
iv	Coping	1.000	36.000	0.125	0.125	0.000	0.563	-
Total Quantity				23.715 cum (cum)			23.715 Cum (Cubic Meter)	

Amount				23.715 X 5261.16116864			124768.44	
6. 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	Wall	1.000	36.000	0.000	2.250	0.000	81.000	-
ii	Column Projection	32.000	0.600	0.000	2.250	0.000	43.200	-
iii	Coping	1.000	36.000	0.000	0.250	0.000	9.000	-
Total Quantity					133.2 Sqm (Sqm)		133.2 Sqm (Square Meter)	
Amount				133.2 X 176.684233446			23534.34	
7. 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	1.000	36.000	0.000	2.250	0.000	81.000	-
Total Quantity					81 Sqm (Sqm)		81 Sqm (Square Meter)	
Amount				81 X 252.30296011			20436.54	
8. Dismantling (AR1603) : Dismantling brick or stone masonry under 3m.								
Dismantling brick or stone masonry in lime or cement mortar under 3m. height 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	wall	3.000	4.900	0.225	2.850	0.000	9.426	-
ii	Door	4.000	1.100	0.225	2.100	0.000	-	2.079

iii	Wall	3.000	12.500	0.225	2.850	0.000	24.047	-	
iv	Window	6.000	1.200	0.225	1.200	0.000	-	1.944	
v	Verandha Openning	1.000	11.000	0.225	2.100	0.000	-	5.198	
vi	Column	4.000	0.375	0.375	2.100	0.000	1.181	-	
vii	Wall	2.000	3.650	0.225	2.850	0.000	4.681	-	
viii	Wall	2.000	4.200	0.225	2.850	0.000	5.387	-	
ix	Door	1.000	1.200	0.225	2.100	0.000	-	0.567	
x	Winndow	1.000	1.200	0.225	1.200	0.000	-	0.324	
Total Quantity					34.610625 cum (cum)		34.610625 Cum (Cubic Meter)		
Amount					34.610625 X 1401.5088339223		48507.10		
9. Dismantling (AR1624) : Dismantling and removing R.C.C. columns beams slab staircase landing lintels									
Dismantling and removing R.C.C. columns beams slab staircase landing lintels 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	Slab	1.000	13.500	8.500	0.125	0.000	14.344	-	
ii	Slab	1.000	5.000	4.500	0.125	0.000	2.813	-	
iii	Beam	2.000	4.850	0.225	0.300	0.000	0.655	-	
iv	Lintel	1.000	31.500	0.225	0.150	0.000	1.063	-	
v	Chajja	1.000	18.000	0.450	0.075	0.000	0.608	-	
Total Quantity					19.481625 cum (cum)		19.481625 Cum (Cubic Meter)		
Amount					19.481625 X 1475.61		28747.28		
10. 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	Wall painting	2.000	24.500	0.000	1.650	0.000	80.850	-
ii	Wall painting	2.000	36.000	0.000	1.850	0.000	133.200	-
Total Quantity					214.05 Sqm (Sqm)		214.05 Sqm (Square Meter)	
Amount					214.05 X 160.76701381363		34412.18	

11. Earth Work (AR0122Bii) : Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift

Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Front Area Dev	1.000	35.000	13.500	0.185	0.000	87.413	-
Total Quantity					87.4125 cum (cum)		87.4125 Cum (Cubic Meter)	
Amount					87.4125 X 361.33930892		31585.57	
Total Amount							387442.87	

Addition

Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3957.00	
Display Citizen Board (+) @							4600.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							8557.00	

Grand Net Total Amount	395999.87
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Ranjit Maharana
JE
Maneswar Block

TUSHAR KUMAR SAMAL
AEE
Maneswar Block

CHITTA RANJAN MALLIK
BDO
Maneswar Block