

Detailed Estimate

OD/350/3337/116962/400078/00071227 : DEVELOPMENT OF UPPERTAİKANA PRIMARY SCHOOL, KALAPADA

Block : Cuttacksadar, Gram Panchayat : Kalapada

Created By:Prasanna Kumar Biswal

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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	b/wall	1.000	50.000	1.500	1.000	0.000	75.000	-
ii	column	3.000	3.000	3.000	2.000	0.000	54.000	-
Total Quantity					129 Cft (Cubic Foot)		3.6528672 Cum (Cubic Meter)	
Amount					3.6528672 X 240.77592		879.52	
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	b/wall	1.000	50.000	1.500	0.500	0.000	37.500	-
ii	inside	1.000	70.000	25.000	5.000	0.000	8750.000	-
iii	column	3.000	3.000	3.000	0.500	0.000	13.500	-
Total Quantity					8801 Cft (Cubic Foot)		249.2161568 Cum (Cubic Meter)	
Amount					249.2161568 X 588.227232		146595.73	
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	b//w	1.000	50.000	1.500	0.500	0.000	37.500	-
ii	column	3.000	3.000	3.000	0.330	0.000	8.910	-
Total Quantity					46.41 Cft (Cubic Foot)		1.314182688 Cum (Cubic Meter)	
Amount					1.314182688 X 6060.21693386		7964.23	

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

12mm thick cement plster (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	b/w	2.000	50.000	0.000	7.000	0.000	700.000	-
Total Quantity					700 Sft (Square Foot)		65.0321 Sqm (Square Meter)	
Amount					65.0321 X 167.3869421772		10885.52	

5. 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 specifaion and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	roof top	1.000	44.000	24.000	0.000	0.000	1056.000	-
ii	chaja	1.000	32.000	2.000	0.000	0.000	64.000	-
Total Quantity					1120 Sft (Square Foot)		104.05136 Sqm (Square Meter)	
Amount					104.05136 X 358.4729771172		37299.60	

6. 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	m.s.rod	1.000	1.000	0.000	0.000	0.000	1.000	-
Total Quantity					1 Qntl (Quintal)		1 Qntl (Quintal)	
Amount					1 X 8540.9537283		8540.95	

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	foun.	3.000	3.000	3.000	3.000	0.000	81.000	-
ii	upto g.beam	6.000	0.830	0.830	2.000	0.000	8.267	-
iii	g.beam	1.000	50.000	0.830	0.830	0.000	34.445	-
iv	column	3.000	0.830	0.830	7.000	0.000	14.467	-
Total Quantity					138.1787 Cft (Cubic Foot)		3.91277861216 Cum (Cubic Meter)	
Amount					3.91277861216 X 6539.9329243987		25589.31	

8. Painting (AR0918hk) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance).

Finishing wall with two coats 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)(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	outer side of bld.	2.000	68.000	0.000	14.000	0.000	1904.000	-	
ii	side bld.	2.000	65.000	0.000	14.000	0.000	1820.000	-	
iii	doors	4.000	4.000	0.000	7.000	0.000	-	112.000	
iv	windows	6.000	4.000	0.000	4.000	0.000	-	96.000	
Total Quantity					3516 Sft (Square Foot)		326.646948 Sqm (Square Meter)		
Amount					326.646948 X 163.146528363		53291.32		

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/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	foun.	1.000	50.000	1.250	1.000	0.000	62.500	-	
Total Quantity					62.5 Cft (Cubic Foot)		1.7698 Cum (Cubic Meter)		
Amount					1.7698 X 4978.692631248		8811.29		

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/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	b/wall	1.000	50.000	0.830	7.000	0.000	290.500	-	
ii	column	3.000	0.830	0.830	7.000	0.000	-	14.467	
Total Quantity					276.0331 Cft (Cubic Foot)		7.81637408608 Cum (Cubic Meter)		

Amount					7.81637408608 X 5012.022631248		39175.84	
11. 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	inside	2.000	60.000	0.000	10.000	0.000	1200.000	-
ii	inside	2.000	40.000	0.000	10.000	0.000	800.000	-
iii	ceiling	1.000	40.000	20.000	0.000	0.000	800.000	-
iv	ceiling	1.000	28.000	12.000	0.000	0.000	336.000	-
v	doors	4.000	4.000	0.000	7.000	0.000	-	112.000
vi	windows	6.000	4.000	0.000	4.000	0.000	-	96.000
Total Quantity					2928 Sft (Square Foot)		272.019984 Sqm (Square Meter)	
Amount					272.019984 X 78.810267175		21437.97	
12. miscellaneous (ARM124) : Washing and cleaning plastic paint/cement paint/distempered walls including cost of painting sponge (Painting) and as directed by Engineer-in-Charge.								
Washing and cleaning plastic paint/cement paint/distempered walls including cost of painting sponge (Painting) and as directed by Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	inside	1.000	2928.000	0.000	0.000	0.000	2928.000	-
ii	outside	1.000	3528.000	0.000	0.000	0.000	3528.000	-
Total Quantity					6456 Sft (Square Foot)		599.781768 Sqm (Square Meter)	
Amount					599.781768 X 0.002726		1.64	
Total Amount							360472.93	

Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	3630.00
Display Citizen Board (+) @	850.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	4480.00
Grand Net Total Amount	364952.93

Prasanna Kumar Biswal
JE
Cuttacksadar Block

SUBHASMITA NATH
AEE
Cuttacksadar Block

PRATIK SAHOO
BDO
Cuttacksadar Block