

Detailed Estimate

OD/363/3473/119838/429208/00064408 : REPAIR AND MAINTENANCE OF AWC AT DARLIGUDA

Block : Kundura, Gram Panchayat : Mosigam

Created By: NAYANA PATNAIK

1. 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		4.000	0.520	0.230	0.800	0.000	0.383	-
ii	Ramp	1.000	3.280	0.230	1.060	0.000	0.800	-
iii		1.000	3.280	0.230	0.400	0.000	0.302	-
iv		1.000	1.000	0.230	1.200	0.000	0.276	-
v		1.000	1.000	0.230	0.150	0.000	0.035	-
vi	Sock pit	2.000	0.900	0.110	0.800	0.000	0.158	-
vii		2.000	0.680	0.110	0.800	0.000	0.120	-
Total Quantity					2.072724 cum (cum)		2.072724 Cum (Cubic Meter)	
Amount					2.072724 X 5114.536905664		10601.02	
2. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		6.000	0.800	0.520	0.000	0.000	2.496	-
ii	ramp	1.000	3.280	0.400	0.000	0.000	1.312	-

iii		1.000	1.060	0.550	0.000	0.000	0.583	-
iv		1.000	1.000	0.200	0.000	0.000	0.200	-
Total Quantity					4.591 Sqm (Sqm)		4.591 Sqm (Square Meter)	
Amount					4.591 X 173.1657079196		795.00	

3. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	2.570	0.520	0.075	0.000	0.100	-
ii	Sock pit slab	1.000	1.100	1.100	0.100	0.000	0.121	-
Total Quantity					0.22123 cum (cum)		0.22123 Cum (Cubic Meter)	
Amount					0.22123 X 12771.333891437		2825.40	

4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		0.000	0.000	0.000	0.000	0.063	0.063	-
ii		0.000	0.000	0.000	0.000	0.057	0.057	-
iii		0.000	0.000	0.000	0.000	0.054	0.054	-
Total Quantity					0.174 Qntl (Quintal)		0.174 Qntl (Quintal)	
Amount					0.174 X 9021.3451692		1569.71	

5. 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		1.000	2.570	0.520	0.000	0.000	1.336	-
ii		1.000	2.570	0.075	0.000	0.000	0.193	-
iii		1.000	2.570	1.200	0.000	0.000	3.084	-
iv		1.000	0.520	1.200	0.000	0.000	0.624	-
Total Quantity					5.23715 Sqm (Sqm)		5.23715 Sqm (Square Meter)	
Amount					5.23715 X 1531.464178266		8020.51	

6. 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		3.000	3.250	0.300	0.900	0.000	2.633	-
Total Quantity					2.6325 cum (cum)		2.6325 Cum (Cubic Meter)	
Amount					2.6325 X 1401.5088339223		3689.47	

7. 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	Ramp	1.000	3.280	1.060	0.000	0.000	3.477	-

ii		1.000	1.000	1.200	0.000	0.000	1.200	-
Total Quantity					4.6768 Sqm (Sqm)		4.6768 Sqm (Square Meter)	
Amount					4.6768 X 1192.2816256104		5576.06	
8. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)								
Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces 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		1.000	3.280	0.400	0.000	0.000	1.312	-
ii		1.000	2.060	0.200	0.000	0.000	0.412	-
iii		6.000	0.520	0.800	0.000	0.000	2.496	-
Total Quantity					4.22 Sqm (Sqm)		4.22 Sqm (Square Meter)	
Amount					4.22 X 72.860453727742		307.47	
9. 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	sock pit	1.000	0.900	0.900	0.900	0.000	0.729	-
Total Quantity					0.729 cum (cum)		0.729 Cum (Cubic Meter)	
Amount					0.729 X 240.77592		175.53	
10. 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	sock pit	1.000	0.900	0.900	0.150	0.000	0.122	-
Total Quantity					0.1215 cum (cum)		0.1215 Cum (Cubic Meter)	
Amount					0.1215 X 947.383232		115.11	
11. 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	Sock pit	1.000	0.900	0.900	0.150	0.000	0.122	-
Total Quantity					0.1215 cum (cum)		0.1215 Cum (Cubic Meter)	
Amount					0.1215 X 6000.32727898		729.04	
12. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer								
Finishing wall surface two coats with weather coat with one coat oilbound 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		1.000	3.280	0.400	0.000	0.000	1.312	-
ii		1.000	2.060	0.200	0.000	0.000	0.412	-
Total Quantity					1.724 Sqm (Sqm)		1.724 Sqm (Square Meter)	
Amount					1.724 X 156.87265501801		270.45	
13. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc								
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	2.570	0.520	0.000	0.000	1.336	-

Total Quantity					1.3364 Sqm (Sqm)		1.3364 Sqm (Square Meter)	
Amount					1.3364 X 216.55039071844		289.40	
14. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pipe	2.000	3.280	0.075	0.000	0.000	0.492	-
ii		2.000	1.060	0.075	0.000	0.000	0.159	-
iii	window	3.000	0.900	1.200	0.000	0.000	3.240	-
iv	door	2.000	1.200	2.000	0.000	0.000	4.800	-
Total Quantity					8.691 Sqm (Sqm)		8.691 Sqm (Square Meter)	
Amount					8.691 X 164.22001277702		1427.24	
Total Amount							36391.41	
Addition								
Provision for PH Work (+) @							1200.00	
Provision for EI Work (+) @								
Provision for Contingency (+) @							363.91	
Display Citizen Board (+) @							2000.00	
Any Other Lumpsum (+) @							2000.00	
Provision for survey investigation and quality control (+) @								
Total Addition							5563.91	
Grand Net Total Amount							41955.33	

NAYANA PATNAIK
JE
Kundura Block

RAMA KANTA NAYAK
AEE
Kundura Block

P Manasmita
BDO
Kundura Block