

Detailed Estimate

OD/354/3378/117862/412577/00064286 : REPAIR AND MAINTENANCE OF AWC-II BUILDING AT DAKHINAPUR
Block : Kukudakhadi, Gram Panchayat : Dakhinapur
Created By:ASWIN SUBUDHI

1. 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 Dismantling	1.000	1.220	0.230	2.100	0.000	0.589	-
Total Quantity					0.58926 cum (cum)		0.58926 Cum (Cubic Meter)	
Amount					0.58926 X 1401.5088339223		825.85	
2. 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	Foundation Excavation	1.000	1.250	1.000	0.250	0.000	0.313	-
Total Quantity					0.3125 cum (cum)		0.3125 Cum (Cubic Meter)	
Amount					0.3125 X 240.77592		75.24	
3. 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	Plinth	1.000	1.250	1.000	0.100	0.000	0.125	-
Total Quantity					0.125 cum (cum)		0.125 Cum (Cubic Meter)	

Amount					0.125 X 804.488432	100.56		
4. 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	Foundation	1.000	1.250	1.000	0.150	0.000	0.188	-
Total Quantity					0.1875 cum (cum)		0.1875 Cum (Cubic Meter)	
Amount					0.1875 X 5397.92094786		1012.11	
5. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum								
Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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. complete as per specification and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Steps concrete	2.000	1.250	0.450	0.025	0.000	0.028	-
ii	Holdfast fixing	4.000	0.230	0.100	0.150	0.000	0.014	-
Total Quantity					0.041925 cum (cum)		0.041925 Cum (Cubic Meter)	
Amount					0.041925 X 6982.27006882		292.73	
6. Masonry Brick Work (AR0603ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with C.B. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Steps	1.000	1.250	0.900	0.250	0.000	0.281	-
ii	Step-2	1.000	1.250	0.450	0.150	0.000	0.084	-

Total Quantity	0.365625 cum (cum)	0.365625 Cum (Cubic Meter)
Amount	0.365625 X 4983.344812448	1822.04

7. Flooring (AR0817a) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755)

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 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 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	Steps	2.000	1.200	0.000	0.250	0.000	0.600	-
Total Quantity					0.6 Sqm (Sqm)		0.6 Sqm (Square Meter)	
Amount					0.6 X 1326.733290776		796.04	

8. 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	Steps	2.000	1.250	0.450	0.000	0.000	1.125	-
ii	Kit Platform	1.000	2.400	0.650	0.000	0.000	1.560	-
Total Quantity					2.685 Sqm (Sqm)		2.685 Sqm (Square Meter)	
Amount					2.685 X 1195.1284435668		3208.92	

9. 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	Main Door	4.000	1.200	0.000	2.100	0.000	10.080	-

ii	Window	8.000	0.900	0.000	1.200	0.000	8.640	-
iii	Grill	2.000	0.900	0.000	1.200	0.000	2.160	-
Total Quantity					20.88 Sqm (Sqm)		20.88 Sqm (Square Meter)	
Amount					20.88 X 164.23523221452		3429.23	

10. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door Jambs	2.000	2.100	0.230	0.000	0.000	0.966	-
ii	Sill	2.000	1.200	0.230	0.000	0.000	0.552	-
iii	Step side	2.000	0.450	0.250	0.000	0.000	0.225	-
Total Quantity					1.743 Sqm (Sqm)		1.743 Sqm (Square Meter)	
Amount					1.743 X 244.399887062		425.99	

11. Painting (AR0918i) : Two coat waterproofing cement paint on the outer surface

Finishing wall waterproofing cement paint on the outer surface of approved shade on new work two coats to give an even shade including all costs of labour, Paint and Brushes 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 Paint	1.000	7.250	0.000	3.250	0.000	23.563	-
ii	Back side wall	1.000	9.850	0.000	3.250	0.000	32.013	-
iii	Chajja	4.000	1.500	0.000	0.600	0.000	3.600	-
Total Quantity					59.175 Sqm (Sqm)		59.175 Sqm (Square Meter)	
Amount					59.175 X 40.6851533		2407.54	

12. miscellaneous (ARM295) : Supplying, fitting and fixing of 5.5mm thick hexagoanal Aluminum jally in windows as single groove, double groove and tapered clip as horizontal and vertical members for fixing of aluminum jally and jointing angle conforming to standard Aluminium sections

Supplying, fitting and fixing of 5.5mm thick hexagoanal Aluminum jally in windows as single groove, double groove and tapered clip as horizontal and vertical members for fixing of aluminum jally and jointing angle conforming to standard Aluminium sections etc. complete. (New miscellaneous items) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Window Jalli	2.000	0.900	0.000	1.200	0.000	2.160	-
ii	Ventilator	4.000	0.600	0.000	0.600	0.000	1.440	-
Total Quantity					3.6 Sqm (Sqm)		3.6 Sqm (Square Meter)	
Amount					3.6 X 1841		6627.60	

13. miscellaneous (ARM053) : Labour only for fixing in position flush shutters fixtures of any thickness and any quality.(Doors and Window) and as directed by Engineer-in-Charge.

Labour only for fixing in position flush shutters fixtures of any thickness and any quality.(Doors and Window) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door window fixing	1.000	1.200	0.000	2.050	0.000	2.460	-
Total Quantity					2.46 Sqm (Sqm)		2.46 Sqm (Square Meter)	
Amount					2.46 X 58.82		144.70	
Total Amount							21168.56	
Addition								
Provision for PH Work (+) @							680.00	
Provision for EI Work (+) @								
Provision for Contingency (+) @							450.00	
Display Citizen Board (+) @							700.00	
Any Other Lumpsum (+) @							22000.00	

Provision for survey investigation and quality control (+) @	
Total Addition	23830.00
Grand Net Total Amount	44998.56

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Kukudakhandi Block

ANURAG RATH
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