

Detailed Estimate

OD/354/3378/117862/412577/00064287 : COMPLETION OF INCOMPLETE AWC-I BUILDING AT DAKHINAPUR
Block : Kukudakhandi, Gram Panchayat : Dakhinapur
Created By:ASWIN SUBUDHI

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	Foundation	1.000	1.800	0.600	0.600	0.000	0.648	-
ii	Foun	2.000	0.900	0.600	0.600	0.000	0.648	-
Total Quantity					1.296 cum (cum)		1.296 Cum (Cubic Meter)	
Amount					1.296 X 240.77592		312.05	
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	Plinth	1.000	1.200	1.200	0.150	0.000	0.216	-
ii	Foundation	2.000	1.850	0.600	0.600	0.000	1.332	-
iii	Foundation	1.000	0.600	0.600	0.600	0.000	0.216	-
Total Quantity					1.764 cum (cum)		1.764 Cum (Cubic Meter)	
Amount					1.764 X 804.488432		1419.12	
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	Foundation	1.000	1.650	0.450	0.150	0.000	0.111	-
ii	Foun	2.000	0.975	0.450	0.150	0.000	0.132	-
iii	Floor	1.000	1.200	1.200	0.150	0.000	0.216	-
Total Quantity					0.459 cum (cum)		0.459 Cum (Cubic Meter)	
Amount					0.459 X 5461.04190786		2506.62	

4. Earth Work (AR0114) : Filling of foundation with escalated earth

Filling in foundation and plinth with excavated materials in ordinary soil including watering and ramming as directed by the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Refilling	1.000	1.050	1.050	0.450	0.000	0.496	-
Total Quantity					0.496125 cum (cum)		0.496125 Cum (Cubic Meter)	
Amount					0.496125 X 99.54497784		49.39	

5. Dismantling (AR1618) : Dismantling and removing doors, windows and ventilators

Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m and as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Dismantling of Window	1.000	0.920	0.000	1.200	0.000	1.104	-
Total Quantity					1.104 Sqm (Sqm)		1.104 Sqm (Square Meter)	
Amount					1.104 X 396.30846153846		437.52	

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
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i	Dismantling	1.000	0.920	0.230	2.100	0.000	0.444	-
Total Quantity					0.44436 cum (cum)		0.44436 Cum (Cubic Meter)	
Amount					0.44436 X 1401.5088339223		622.77	
7. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)								
Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding 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	Toilet Room	4.000	1.200	0.000	1.500	0.000	7.200	-
ii	Door Opening	1.000	0.750	0.000	1.500	0.000	-	1.125
Total Quantity					6.075 Sqm (Sqm)		6.075 Sqm (Square Meter)	
Amount					6.075 X 881.780820776		5356.82	
8. 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	Hall	2.000	10.670	0.000	0.100	0.000	2.134	-
ii	Store	2.000	4.260	0.000	0.100	0.000	0.852	-
iii	Kit	2.000	3.960	0.000	0.100	0.000	0.792	-
iv	Door Opening	2.000	1.050	0.000	0.100	0.000	-	0.210
v	Ver	1.000	10.500	0.000	0.100	0.000	1.050	-
vi	step	1.000	9.440	0.000	0.100	0.000	0.944	-
Total Quantity					5.562 Sqm (Sqm)		5.562 Sqm (Square Meter)	

Amount						5.562 X 1531.715820776	8519.40	
9. 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	Bath Room	1.000	1.200	1.200	0.000	0.000	1.440	-
Total Quantity					1.44 Sqm (Sqm)		1.44 Sqm (Square Meter)	
Amount						1.44 X 1196.8379695668	1723.45	
10. 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	Plinth Band	1.000	4.060	0.230	0.230	0.000	0.215	-
Total Quantity					0.214774 cum (cum)		0.214774 Cum (Cubic Meter)	
Amount						0.214774 X 6825.3375022724	1465.91	
11. 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	2.000	1.620	0.125	0.000	0.405	-

ii	Kit platform	1.000	1.820	0.650	0.075	0.000	0.089	-
Total Quantity					0.493725 cum (cum)		0.493725 Cum (Cubic Meter)	
Amount					0.493725 X 12375.705611362		6110.20	
12. 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	Inside wall	4.000	1.200	0.000	2.120	0.000	10.176	-
ii	Door Opening	0.500	0.750	0.000	2.100	0.000	-	0.788
Total Quantity					9.3885 Sqm (Sqm)		9.3885 Sqm (Square Meter)	
Amount					9.3885 X 172.0700273572		1615.48	
13. 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	External wall	1.000	1.660	0.000	2.700	0.000	4.482	-
ii	Side wall	2.000	1.530	0.000	2.700	0.000	8.262	-
iii	Tank wall	1.000	0.920	0.000	3.000	0.000	2.760	-
Total Quantity					15.504 Sqm (Sqm)		15.504 Sqm (Square Meter)	
Amount					15.504 X 246.766923062		3825.87	
14. 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/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	Wall Foundation	4.000	1.130	0.300	0.450	0.000	0.610	-
ii	Wall	1.000	1.200	0.230	2.120	0.000	0.585	-
iii	Wall	2.000	1.530	0.230	2.120	0.000	1.492	-
iv	Overhead Tank wall	1.000	0.920	0.115	3.050	0.000	0.323	-
Total Quantity					3.010066 cum (cum)		3.010066 Cum (Cubic Meter)	
Amount					3.010066 X 5046.595052448		15190.58	

15. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

Finishing wall two coats with plastic emulsion paint 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	Hall	2.000	4.570	0.000	3.000	0.000	27.420	-
ii	Hall	2.000	6.100	0.000	3.000	0.000	36.600	-
iii	Kitchen	2.000	2.400	0.000	3.000	0.000	14.400	-
iv	S/wall	2.000	1.820	0.000	3.000	0.000	10.920	-
v	Store	2.000	3.920	0.000	3.000	0.000	23.520	-
vi	Ceiling	1.000	6.100	4.570	0.000	0.000	27.877	-
vii	Kit/Ceiling	1.000	2.400	1.820	0.000	0.000	4.368	-
viii	Store1	1.000	2.120	1.820	0.000	0.000	3.858	-
ix	Hall Beam	1.000	4.570	0.900	0.000	0.000	4.113	-

x	Door Opening	3.000	1.050	2.100	0.000	0.000	-	6.615
xi	Window	2.000	0.920	1.200	0.000	0.000	-	2.208
Total Quantity					144.2534 Sqm (Sqm)		144.2534 Sqm (Square Meter)	
Amount					144.2534 X 94.76013415		13669.47	

16. 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	Entrance Doors	6.000	0.920	0.000	2.000	0.000	11.040	-
ii	Window grill	4.000	0.920	0.000	1.200	0.000	4.416	-
iii	W/Shutter	8.000	0.920	0.000	1.200	0.000	8.832	-
Total Quantity					24.288 Sqm (Sqm)		24.288 Sqm (Square Meter)	
Amount					24.288 X 164.23523221452		3988.95	

17. Other Building Items. (AR1909) : Al. door with OEL anodized Al. door section of 9202 as vertical member

Providing fitting, fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No.1855 including all cost of labour,T&P , hire charges of drilling machine, labour charges etc. complete. and as per direction of Engineer in Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Bath Door	1.000	0.600	0.000	1.980	0.000	1.188	-
Total Quantity					1.188 Sqm (Sqm)		1.188 Sqm (Square Meter)	
Amount					1.188 X 6754.6533798472		8024.53	

18. 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 specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Flooring	1.000	1.200	1.200	0.100	0.000	0.144	-
ii	Cutoff wall	2.000	11.000	0.230	0.230	0.000	1.164	-
Total Quantity					1.3078 cum (cum)		1.3078 Cum (Cubic Meter)	
Amount					1.3078 X 6982.27006882		9131.41	

19. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Hall	1.000	6.100	4.570	0.000	0.000	27.877	-
ii	Kit	1.000	2.430	1.820	0.000	0.000	4.423	-
iii	Store	1.000	2.120	1.820	0.000	0.000	3.858	-
iv	Ver	1.000	6.100	2.210	0.000	0.000	13.481	-
v	Door sILL	3.000	0.920	0.230	0.000	0.000	0.635	-
vi	Step	1.000	4.720	0.300	0.000	0.000	1.416	-
vii	Kit Platform	1.000	1.820	0.600	0.000	0.000	1.092	-
Total Quantity					52.7818 Sqm (Sqm)		52.7818 Sqm (Square Meter)	
Amount					52.7818 X 1010.7855400846		53351.08	

20. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC

Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Approach	1.000	9.500	2.400	0.000	0.000	22.800	-
Total Quantity					22.8 Sqm (Sqm)		22.8 Sqm (Square Meter)	
Amount					22.8 X 630.5826		14377.28	

21. 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	0.920	0.000	1.220	0.000	2.245	-
Total Quantity					2.2448 Sqm (Sqm)		2.2448 Sqm (Square Meter)	
Amount					2.2448 X 1841		4132.68	

22. Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside)

Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new 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 paint	3.000	1.600	0.000	2.100	0.000	10.080	-
ii	wall	2.000	3.050	0.000	1.570	0.000	9.577	-
iii	ver wall	1.000	6.100	0.000	3.000	0.000	18.300	-
iv	store	1.000	2.260	0.000	3.000	0.000	6.780	-
v	tank side wall	1.000	7.010	0.000	3.000	0.000	21.030	-

vi	toi/wall	1.000	1.500	0.000	2.300	0.000	3.450	-	
vii	chsajja	1.000	6.550	1.420	0.000	0.000	9.301	-	
viii	Back side wall	1.000	6.920	0.000	3.250	0.000	22.490	-	
ix	Window	2.000	0.920	0.000	1.200	0.000	-	2.208	
x	door	0.500	1.050	0.000	2.000	0.000	-	1.050	
xi	Chajja Top wall	1.000	8.200	0.000	0.850	0.000	6.970	-	
Total Quantity					104.72 Sqm (Sqm)		104.72 Sqm (Square Meter)		
Amount					104.72 X 57.903423083161		6063.65		
Total Amount							161894.22		
Addition									
Provision for PH Work (+) @							15500.00		
Provision for EI Work (+) @							5800.00		
Provision for Contingency (+) @							2000.00		
Display Citizen Board (+) @							805.00		
Any Other Lumpsum (+) @							14000.00		
Provision for survey investigation and quality control (+) @									
Total Addition							38105.00		
Grand Net Total Amount							199999.22		

ASWIN SUBUDHI
JE
Kukudakhandi Block

ANURAG RATH
AEE
Kukudakhandi Block

PALLAVI SWAIN
BDO
Kukudakhandi Block