

Detailed Estimate

OD/365/3488/120074/387497/00063867 : Repair and maintenance of AWC Tarana-II

Block : Bahalda, Gram Panchayat : Gidighaty

Created By: SARANGADHAR PRADHAN

1. Dismantling (AR1613) : Removing old lime or cement plaster								
Removing old lime or cement plaster from walls including raking out joints 12 mm deep 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	Dismantling a.s flooring	2.000	3.050	0.000	2.950	0.000	17.995	-
ii		2.000	3.650	0.000	2.950	0.000	21.535	-
iii	out side	6.000	1.500	0.000	2.100	0.000	18.900	-
iv		6.000	1.800	0.000	0.000	0.000	10.800	-
v		2.000	2.100	0.000	2.100	0.000	8.820	-
vi		2.000	5.550	0.000	2.100	0.000	23.310	-
vii		1.000	5.550	0.000	0.350	0.000	1.943	-
viii		1.000	1.000	0.000	1.900	0.000	-	1.900
ix		3.000	1.000	0.900	1.150	0.000	-	3.105
Total Quantity					98.2975 Sqm (Sqm)		98.2975 Sqm (Square Meter)	
Amount					98.2975 X 50.174193548387		4932.00	
2. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring								
Dismantling and removing 2.5 cm. thick artificial stone flooring 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	Dismantling 25mm thick as flooring	1.000	6.090	0.000	3.650	0.000	22.229	-
ii	store	1.000	5.480	0.000	2.280	0.000	12.494	-
iii		1.000	6.090	0.000	1.820	0.000	11.084	-
iv		3.000	0.250	0.000	1.200	0.000	0.900	-
Total Quantity					46.7067 Sqm (Sqm)		46.7067 Sqm (Square Meter)	
Amount					46.7067 X 100.34838709677		4686.94	
3. 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	Door	1.000	3.200	0.250	1.200	0.000	0.960	-
ii	Toilet	1.000	5.550	0.250	0.600	0.000	0.833	-
Total Quantity					1.7925 cum (cum)		1.7925 Cum (Cubic Meter)	
Amount					1.7925 X 1401.5088339223		2512.20	
4. Dismantling (AR1621) : Removing old grading plaster from roof								
Removing old grading plaster from roof slab, cleaning the surface, lowering 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	Kitchen	1.000	1.000	9.420	6.500	0.000	61.230	-
Total Quantity					61.23 Sqm (Sqm)		61.23 Sqm (Square Meter)	
Amount					61.23 X 77.77		4761.86	
5. miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.								

Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	office	2.000	6.090	0.000	3.000	0.000	36.540	-
ii		2.000	3.050	0.000	3.000	0.000	18.300	-
iii	office ceiling	1.000	6.090	3.650	0.000	0.000	22.229	-
iv	ver side	2.000	6.090	0.000	3.000	0.000	36.540	-
v	store	2.000	1.820	0.000	3.000	0.000	10.920	-
vi	ceiling	1.000	6.090	1.820	0.000	0.000	11.084	-
vii	store	2.000	5.480	0.000	2.280	0.000	24.989	-
viii		2.000	2.280	0.000	3.000	0.000	13.680	-
ix	out side	2.000	9.420	0.000	3.000	0.000	56.520	-
x		2.000	6.500	0.000	3.000	0.000	39.000	-
xi	ver sside	2.000	0.600	0.000	2.100	0.000	2.520	-
xii	pillar	1.000	4.000	0.400	2.100	0.000	3.360	-
xiii	D	4.000	1.000	1.050	2.100	0.000	-	8.820
xiv	w	4.000	1.000	0.900	1.150	0.000	-	4.140
xv	ver	1.000	2.000	6.090	2.100	0.000	-	25.578
xvi	pilla	1.000	4.000	0.400	2.100	0.000	-	3.360
Total Quantity					233.7831 Sqm (Sqm)		233.7831 Sqm (Square Meter)	
Amount					233.7831 X 5.12		1196.97	

6. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	door	4.000	1.000	1.050	2.100	0.000	8.820	-
ii	w	4.000	1.000	0.900	1.150	0.000	4.140	-
iii	ventilator	2.000	0.600	0.450	0.000	0.000	0.540	-
Total Quantity					13.5 Sqm (Sqm)		13.5 Sqm (Square Meter)	
Amount					13.5 X 396.30846153846		5350.16	

7. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	1.000	6.090	3.650	0.000	0.000	22.229	-
ii	ver	1.000	6.090	1.820	0.000	0.000	11.084	-
iii	store/kitchen	1.000	5.480	2.280	0.000	0.000	12.494	-
iv	door	3.000	0.250	1.200	0.000	0.000	0.900	-
Total Quantity					46.7067 Sqm (Sqm)		46.7067 Sqm (Square Meter)	
Amount					46.7067 X 1014.105462241		47365.52	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room	2.000	6.090	0.100	0.000	0.000	1.218	-
ii		3.000	3.650	0.100	0.000	0.000	1.095	-

iii	Varandah	2.000	1.800	0.100	0.000	0.000	0.360	-	
iv	Kitchen	2.000	2.100	0.100	0.000	0.000	0.420	-	
v		2.000	1.500	0.100	0.000	0.000	0.300	-	
vi	Store	2.000	1.200	0.100	0.000	0.000	0.240	-	
vii		2.000	1.800	0.100	0.000	0.000	0.360	-	
viii	Door	0.500	1.200	0.100	0.000	0.000	-	0.060	
ix	Door	0.500	3.050	0.100	0.000	0.000	-	0.153	
Total Quantity					3.7805 Sqm (Sqm)		3.7805 Sqm (Square Meter)		
Amount					3.7805 X 1536.968308101		5810.51		

9. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Class room	1.000	6.100	3.650	0.100	0.000	2.227	-	
ii	Varandah	1.000	4.800	1.800	0.100	0.000	0.864	-	
iii	Store	1.000	1.800	1.200	0.100	0.000	0.216	-	
iv	Kitchen	1.000	2.000	1.500	0.100	0.000	0.300	-	
v	Steps	1.000	1.800	0.900	0.100	0.000	0.162	-	
Total Quantity					3.7685 cum (cum)		3.7685 Cum (Cubic Meter)		
Amount					3.7685 X 5820.1858828		21933.37		

10. 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 Slab	1.000	9.500	6.500	0.000	0.000	61.750	-
Total Quantity					61.75 Sqm (Sqm)		61.75 Sqm (Square Meter)	
Amount					61.75 X 362.390611456		22377.62	
11. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)								
6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Ceiling	8.000	2.000	1.500	0.000	0.000	24.000	-
ii	Ceiling	2.000	1.500	2.000	0.000	0.000	6.000	-
Total Quantity					30 Sqm (Sqm)		30 Sqm (Square Meter)	
Amount					30 X 191.896791634		5756.90	
12. 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	Class room	2.000	3.500	2.500	0.000	0.000	17.500	-
ii	class room	6.000	0.750	0.900	0.000	0.000	4.050	-
iii	Store	2.000	0.500	0.750	0.000	0.000	0.750	-
iv	Kitchen	5.000	2.000	1.500	0.000	0.000	15.000	-
v	Varandah	2.000	2.000	1.300	0.000	0.000	5.200	-
Total Quantity					42.5 Sqm (Sqm)		42.5 Sqm (Square Meter)	
Amount					42.5 X 172.502149676		7331.34	
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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Out side	2.000	5.000	0.600	0.000	0.000	6.000	-
ii	Both side	2.000	5.100	0.900	0.000	0.000	9.180	-
Total Quantity					15.18 Sqm (Sqm)		15.18 Sqm (Square Meter)	
Amount					15.18 X 247.28736576		3753.82	

14. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Step	1.000	1.800	0.900	0.200	0.000	0.324	-
ii	Steps	1.000	1.800	0.600	0.150	0.000	0.162	-
iii	Step	1.000	1.800	0.300	0.150	0.000	0.081	-
Total Quantity					0.567 cum (cum)		0.567 Cum (Cubic Meter)	
Amount					0.567 X 5012.80259284		2842.26	

15. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Self for Kitchen	3.000	0.115	2.100	0.000	0.000	0.725	-
Total Quantity					0.7245 cum (cum)		0.7245 Cum (Cubic Meter)	

Amount					0.7245 X 5046.13259284	3655.92		
16. 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	office	2.000	6.090	0.000	3.000	0.000	36.540	-
ii		2.000	3.650	0.000	3.000	0.000	21.900	-
iii	ceiling	1.000	1.000	6.090	3.650	0.000	22.229	-
iv	ver side	1.000	2.000	6.090	3.000	0.000	36.540	-
v		1.000	2.000	1.820	3.000	0.000	10.920	-
vi	ceiling	1.000	1.000	6.090	1.820	0.000	11.084	-
vii	store	1.000	2.000	5.480	3.000	0.000	32.880	-
viii		1.000	2.000	2.280	3.000	0.000	13.680	-
ix	ceiling	1.000	1.000	2.280	5.480	0.000	12.494	-
x	toilet	1.000	2.000	1.500	3.000	0.000	9.000	-
xi		1.000	2.000	1.800	3.000	0.000	10.800	-
xii	ceiling toilet	1.000	1.000	1.500	1.800	0.000	2.700	-
xiii	deduction	0.500	2.250	0.900	2.100	0.000	-	2.126
xiv		5.000	2.750	1.150	0.900	0.000	-	14.231
Total Quantity					204.4092 Sqm (Sqm)		204.4092 Sqm (Square Meter)	
Amount					204.4092 X 78.8505283		16117.77	
17. Painting (AR0903a) : Painting two coats of enamel paint with a coat of wood primer in inner surface paint (Inside)								

Painting two coats of enamel paint with a coat of wood primer in inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	D	4.000	2.250	1.000	2.100	0.000	18.900	-
ii	W	5.000	2.750	1.150	1.200	0.000	18.975	-
Total Quantity					37.875 Sqm (Sqm)		37.875 Sqm (Square Meter)	
Amount					37.875 X 234.32517654323		8875.07	

18. 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	awc	1.000	2.000	9.420	3.200	0.000	60.288	-
ii		1.000	2.000	6.500	3.200	0.000	41.600	-
iii		2.000	1.000	0.600	2.100	0.000	2.520	-
iv	pillar	1.000	4.000	0.400	2.100	0.000	3.360	-
v		0.500	2.250	0.900	2.100	0.000	-	2.126
Total Quantity					105.64175 Sqm (Sqm)		105.64175 Sqm (Square Meter)	
Amount					105.64175 X 156.86604451751		16571.60	

19. Painting (AR0922a) : Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work (Inside)

Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty 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 ceiling	1.000	1.000	6.090	3.650	0.000	22.229	-

ii		1.000	1.000	9.420	3.000	0.000	28.260	-
iii		1.000	1.000	6.500	3.000	0.000	19.500	-
Total Quantity					69.9885 Sqm (Sqm)		69.9885 Sqm (Square Meter)	
Amount					69.9885 X 147.84337616751		10347.34	
20. Iron Work (AR1704) : Iron Doors and windows fixing								
Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	d	2.000	0.700	0.000	0.000	0.000	1.400	-
ii	w	1.000	0.600	0.000	0.000	0.000	0.600	-
Total Quantity					2 Qntl (Quintal)		2 Qntl (Quintal)	
Amount					2 X 15759.735605087		31519.47	
Total Amount							227698.65	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							14801.00	
Provision for Contingency (+) @							2500.00	
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							22301.00	
Grand Net Total Amount							249999.65	

SARANGADHAR PRADHAN
JE
Bahalda Block

MADAN MOHAN NAIK
AEE
Bahalda Block

MayurbhanjBahaldaBDO
BDO
Bahalda Block