

## Detailed Estimate

**OD/368/3533/120822/421856/00068507 : REPAIRING OF AWC BUILDING GATIBEDA OF SUNABEDA GP 5THSFC**  
**Block : Komna, Gram Panchayat : Sunabeda**  
**Created By:Pradeep Kumar Sahoo**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	E/w	2.000	3.500	0.300	0.300	1.000	0.630	-
Total Quantity					0.63 cum (cum)		0.63 Cum (Cubic Meter)	
<b>Amount</b>					<b>0.63 X 240.77592</b>		<b>151.69</b>	
<b>2. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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	Brick wall	2.000	3.500	0.300	0.100	0.000	0.210	-
ii	Road	1.000	4.000	1.500	0.100	0.000	0.600	-
Total Quantity					0.81 cum (cum)		0.81 Cum (Cubic Meter)	
<b>Amount</b>					<b>0.81 X 5604.10539604</b>		<b>4539.33</b>	
<b>3. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)</b>								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plastering	20.000	0.300	0.500	0.000	0.000	3.000	-

Total Quantity				3 Sqm (Sqm)			3 Sqm (Square Meter)	
Amount				3 X 190.0481475472			570.14	
<b>4. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>								
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	Outer plaster	2.000	4.000	3.600	0.000	0.000	28.800	-
Total Quantity				28.8 Sqm (Sqm)			28.8 Sqm (Square Meter)	
Amount				28.8 X 171.6767418008			4944.29	
<b>5. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b>								
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	Inner	15.000	0.600	0.450	0.000	0.000	4.050	-
Total Quantity				4.05 Sqm (Sqm)			4.05 Sqm (Square Meter)	
Amount				4.05 X 246.293900268			997.49	
<b>6. 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</b>								
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	Floor	2.000	5.000	0.300	0.000	0.000	3.000	-
Total Quantity				3 Sqm (Sqm)			3 Sqm (Square Meter)	
Amount				3 X 1196.5551872822			3589.67	

**7. 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	Outer front portion	2.000	4.000	0.300	0.100	0.000	0.240	-
ii	Road	1.000	4.000	1.500	0.100	0.000	0.600	-
Total Quantity					0.84 cum (cum)		0.84 Cum (Cubic Meter)	
Amount					0.84 X 7087.14429348		5953.20	

**8. Other Building Items. (AR1902) : cement based wall putty (water based)**

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	2.000	8.000	3.050	0.000	0.000	48.800	-
ii	Wall	2.000	4.000	3.050	0.000	0.000	24.400	-
iii		4.000	5.000	3.050	0.000	0.000	61.000	-
iv	Slab	1.000	8.000	4.000	0.000	0.000	32.000	-
v		2.000	4.000	5.000	0.000	0.000	40.000	-
vi	Windows	2.000	1.200	1.200	0.000	0.000	-	2.880
vii	Door	1.000	1.200	2.000	0.000	0.000	-	2.400
Total Quantity					200.92 Sqm (Sqm)		200.92 Sqm (Square Meter)	
Amount					200.92 X 79.21834		15916.55	

**9. Painting (AR0918Ai) : Finishing wall one coat with weather coat**

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	2.000	12.000	0.000	3.100	0.000	74.400	-
ii		2.000	6.000	0.000	3.100	0.000	37.200	-
iii		2.000	8.000	0.000	3.100	0.000	49.600	-
iv		2.000	3.500	0.000	3.100	0.000	21.700	-
v	Boundary wall	2.000	50.000	0.000	4.500	0.000	450.000	-
vi	Windows	2.000	1.200	0.000	1.200	0.000	-	2.880
vii	Door	2.000	1.200	0.000	2.000	0.000	-	4.800
Total Quantity					625.22 Sqm (Sqm)		625.22 Sqm (Square Meter)	
Amount					625.22 X 57.11361534		35708.57	
<b>10. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)</b>								
Priming one coat with inner 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	Qty same as items of weather coat, distemper & plastic emulsion paint	1.000	744.340	0.000	0.000	0.000	744.340	-
Total Quantity					744.34 Sqm (Sqm)		744.34 Sqm (Square Meter)	
Amount					744.34 X 71.85770801951		53486.57	
<b>11. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips</b>								
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 specification and direction of Engineer-in charge. (new work)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	Roof	1.000	14.000	6.000	0.000	0.000	84.000	-
Total Quantity					84 Sqm (Sqm)		84 Sqm (Square Meter)	
Amount					84 X 353.6339089108		29705.25	
<b>12. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)</b>								
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	Room	2.000	8.000	0.000	3.050	0.000	48.800	-
ii		2.000	4.000	0.000	3.050	0.000	24.400	-
iii	Windows	2.000	1.200	0.000	1.200	0.000	-	2.880
Total Quantity					70.32 Sqm (Sqm)		70.32 Sqm (Square Meter)	
Amount					70.32 X 94.7901564		6665.64	
<b>13. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)</b>								
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	Room	4.000	4.000	0.000	3.050	0.000	48.800	-
Total Quantity					48.8 Sqm (Sqm)		48.8 Sqm (Square Meter)	
Amount					48.8 X 78.9105728		3850.84	
<b>14. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface</b>								
Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty 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	Door	2.000	1.200	0.000	2.000	2.250	10.800	-
ii	Windows	2.000	1.200	0.000	1.200	2.250	6.480	-

Total Quantity			17.28 Sqm (Sqm)				17.28 Sqm (Square Meter)	
Amount			17.28 X 230.39719814803				3981.26	
<b>15. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory</b>								
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	Floor	1.000	8.000	4.000	0.000	0.000	32.000	-
ii	Floor	2.000	4.000	6.000	0.000	0.000	48.000	-
Total Quantity			80 Sqm (Sqm)				80 Sqm (Square Meter)	
Amount			80 X 1015.4817462554				81238.54	
<b>16. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	sand	2.000	4.000	1.000	0.100	0.000	0.800	-
Total Quantity			0.8 cum (cum)				0.8 Cum (Cubic Meter)	
Amount			0.8 X 841.131232				672.90	
<b>Total Amount</b>							<b>251971.93</b>	
<b>Addition</b>								
Provision for PH Work (+) @							5000.00	
Provision for EI Work (+) @							8000.00	
Provision for Contingency (+) @							2519.72	
Display Citizen Board (+) @							3000.00	

Any Other Lumpsum (+) @	29508.00
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>48027.72</b>
<b>Grand Net Total Amount</b>	<b>299999.65</b>

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