

Detailed Estimate

OD/373/3580/121638/384279/00069922 : Construction Of Community Centre at Near AWC Building Pograposh
Block : Kuarmunda, Gram Panchayat : Pratappur
Created By:itishreepatihari

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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	18.750	2.000	2.500	0.028	5.306	-
ii	short wall	4.000	11.750	2.000	2.500	0.028	6.651	-
iii	column	8.000	4.000	4.000	4.000	0.028	14.490	-
Total Quantity					26.44635 cum (cum)		26.44635 Cum (Cubic Meter)	
Amount					26.44635 X 240.77592		6367.64	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	18.750	2.000	0.500	0.028	1.061	-
ii	short wall	4.000	11.750	2.000	0.500	0.028	1.330	-
iii	colimn	8.000	4.000	4.000	0.500	0.028	1.811	-
iv	p.p	2.000	31.500	3.000	0.330	0.028	1.765	-
v	front step	1.000	16.500	3.000	0.500	0.028	0.700	-
vi	room inside	1.000	15.000	30.000	1.500	0.028	19.103	-

Total Quantity	25.770546 cum (cum)	25.770546 Cum (Cubic Meter)
Amount	25.770546 X 663.169232	17090.23

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	18.750	2.000	0.500	0.028	1.061	-
ii	short wall	4.000	11.750	2.000	0.500	0.028	1.330	-
iii	room	1.000	15.000	30.000	0.330	0.028	4.203	-
iv	p.p	2.000	31.500	3.000	0.330	0.028	1.765	-
v	front step	1.000	16.500	3.000	0.330	0.028	0.462	-
vi	column	8.000	4.000	4.000	0.500	0.028	1.811	-
Total Quantity					10.6324515 cum (cum)		10.6324515 Cum (Cubic Meter)	
Amount					10.6324515 X 5249.42773402		55814.29	

4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	24.750	1.660	1.000	0.028	2.325	-
ii	short wall	4.000	13.750	1.660	1.000	0.028	2.584	-
iii	long wall	2.000	28.500	1.250	1.500	0.028	3.025	-

iv	short wall	4.000	15.000	1.250	1.500	0.028	3.184	-	
Total Quantity					11.1175135 cum (cum)		11.1175135 Cum (Cubic Meter)		
Amount					11.1175135 X 5120.057956736		56922.31		

5. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm 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	long wall	2.000	28.500	0.750	9.500	0.028	11.493	-	
ii	short wall	2.000	15.000	0.750	9.500	0.028	6.049	-	
iii	plnth band sides	2.000	93.000	0.250	1.000	0.028	1.316	-	
iv	p.p	2.000	31.500	0.250	0.750	0.028	0.334	-	
v	front step	3.000	16.500	1.000	0.500	0.028	0.700	-	
Total Quantity					19.89313125 cum (cum)		19.89313125 Cum (Cubic Meter)		
Amount					19.89313125 X 5153.387956736		102517.02		

6. R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	8.000	4.000	4.000	1.000	0.028	3.622	-
ii	column	8.000	2.000	2.000	1.000	0.028	0.906	-

iii	column	8.000	0.750	1.000	12.500	0.028	2.123	-
Total Quantity					6.6505 cum (cum)		6.6505 Cum (Cubic Meter)	
Amount					6.6505 X 5821.7556633275		38717.59	
7. 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	plinh band l.w	2.000	28.500	0.750	1.000	0.028	1.210	-
ii	P.B s.W	4.000	15.000	0.750	1.000	0.028	1.274	-
Total Quantity					2.483325 cum (cum)		2.483325 Cum (Cubic Meter)	
Amount					2.483325 X 6579.1299096556		16338.12	
8. R.C.C. Work (AR0404Ac) : 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 Beams, Column, Girder & Bressmer etc)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	8.000	1.000	0.750	12.500	0.028	2.123	-
ii	wall beam l.w	2.000	28.500	0.750	0.750	0.028	0.907	-
iii	wall beam s.w	2.000	15.000	0.750	0.750	0.028	0.478	-
iv	mid beam	2.000	15.000	0.750	1.000	0.028	0.637	-
Total Quantity					4.14418125 cum (cum)		4.14418125 Cum (Cubic Meter)	

Amount				4.14418125 X 13881.445183783			57527.22	
9. R.C.C. Work (AR0404Ad) : 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 Lintels)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel L.W	2.000	28.500	0.750	0.500	0.028	0.605	-
ii	Lintal s.w	2.000	15.000	0.750	0.750	0.028	0.478	-
Total Quantity					1.082475 cum (cum)		1.082475 Cum (Cubic Meter)	
Amount				1.082475 X 12491.74409534			13522.00	
10. 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	slab	1.000	17.500	32.500	0.330	0.028	5.312	-
ii	chaaja front	1.000	16.500	1.500	0.200	0.028	0.140	-
iii	window chhaja	3.000	4.000	1.500	0.160	0.028	0.082	-
Total Quantity					5.53314525 cum (cum)		5.53314525 Cum (Cubic Meter)	
Amount				5.53314525 X 12129.498018745			67114.27	
11. 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 specificaion and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	17.500	32.500	0.000	0.093	52.837	-
Total Quantity					52.836875 Sqm (Sqm)		52.836875 Sqm (Square Meter)	
Amount					52.836875 X 345.5526615204		18257.92	

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	2.000	30.000	0.000	10.000	0.093	55.740	-
ii	inside wall	2.000	15.000	0.000	10.000	0.093	27.870	-
Total Quantity					83.61 Sqm (Sqm)		83.61 Sqm (Square Meter)	
Amount					83.61 X 168.3646467404		14076.97	

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	outside L.W	2.000	31.500	0.000	10.000	0.093	58.527	-
ii	outside s.w	2.000	16.500	0.000	10.000	0.093	30.657	-
iii	deduct door	1.000	4.000	0.000	7.000	0.093	-	2.601
iv	deduct window	4.000	3.000	0.000	4.000	0.093	-	4.459

Total Quantity	82.1236 Sqm (Sqm)	82.1236 Sqm (Square Meter)
Amount	82.1236 X 242.318668134	19900.08

14. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	ceiling	1.000	15.000	30.000	0.000	0.093	41.805	-
ii	chhaja front	2.000	16.500	1.500	0.000	0.093	4.599	-
iii	window chhaja	6.000	4.000	1.500	0.000	0.093	3.344	-
iv	carnice	1.000	63.000	1.000	0.000	0.093	5.853	-
Total Quantity					55.60065 Sqm (Sqm)		55.60065 Sqm (Square Meter)	
Amount					55.60065 X 188.0456353336		10455.46	

15. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	total plaste area	221.330	0.000	0.000	0.000	0.000	221.330	-
Total Quantity					221.33 Sqm (Sqm)		221.33 Sqm (Square Meter)	
Amount					221.33 X 79.21834		17533.40	

16. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

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	inside plaster area	139.210	0.000	0.000	0.000	0.000	139.210	-
Total Quantity					139.21 Sqm (Sqm)		139.21 Sqm (Square Meter)	
Amount					139.21 X 71.83753306751		10000.50	
17. Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork								
Priming one coat in outer surface with primer of approved quality over woodwork 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	outer plaster area	82.120	0.000	0.000	0.000	0.000	82.120	-
Total Quantity					82.12 Sqm (Sqm)		82.12 Sqm (Square Meter)	
Amount					82.12 X 70.08994432871		5755.79	
18. 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	inside	139.210	0.000	0.000	0.000	0.000	139.210	-
Total Quantity					139.21 Sqm (Sqm)		139.21 Sqm (Square Meter)	
Amount					139.21 X 78.8505283		10976.78	
19. 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	outside	82.120	0.000	0.000	0.000	0.000	82.120	-

Total Quantity			82.12 Sqm (Sqm)				82.12 Sqm (Square Meter)	
Amount			82.12 X 57.09560199				4688.69	
20. miscellaneous (ARM106) : Labour for fitting and fixing of M.S. Gates as per approved design including cost of all materials complete (Iron works) and as directed by Engineer-in-Charge.								
Labour for fitting and fixing of M.S. Gates as per approved design including cost of all materials complete (Iron works) and as directed by Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	door wondow	7.060	0.000	0.000	0.000	0.000	7.060	-
Total Quantity			7.06 Sqm (Sqm)				7.06 Sqm (Square Meter)	
Amount			7.06 X 93.32				658.84	
21. 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	floor	1.000	15.000	30.000	0.000	0.093	41.805	-
ii	front step	3.000	16.500	1.000	0.000	0.093	4.599	-
Total Quantity			46.40355 Sqm (Sqm)				46.40355 Sqm (Square Meter)	
Amount			46.40355 X 1001.8003285542				46487.09	
22. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hysd bars	18.000	0.000	0.000	0.000	0.000	18.000	-

Total Quantity				18 Qntl (Quintal)			18 Qntl (Quintal)	
Amount				18 X 8438.0746233			151885.34	
23. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	door,window	206.000	0.000	0.000	0.000	0.000	206.000	-
Total Quantity				206 Kg (Kilo Gram)			2.06 Qntl (Quintal)	
Amount				2.06 X 15780.425253087			32507.68	
24. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface								
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 both side	2.000	4.000	0.000	6.500	0.093	4.831	-
ii	window both side	8.000	3.000	0.000	4.000	0.093	8.918	-
Total Quantity				13.7492 Sqm (Sqm)			13.7492 Sqm (Square Meter)	
Amount				13.7492 X 230.31602828603			3166.66	
25. 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	dado	1.000	86.000	0.000	0.330	0.093	2.637	-

Total Quantity	2.636502 Sqm (Sqm)	2.636502 Sqm (Square Meter)
Amount	2.636502 X 1522.347747576	4013.67
Total Amount		782295.58
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		10000.00
Provision for Contingency (+) @		3911.48
Display Citizen Board (+) @		3000.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		792.00
Total Addition		17703.48
Grand Net Total Amount		799999.05

JE
Kuarmunda Block

ChaitanyaHemram
AEE
Kuarmunda Block

BDO Kuarmunda
BDO
Kuarmunda Block