

Detailed Estimate

OD/356/3402/118471/401507/00063435 : Provision of Facility Center at Jabara GP office
Block : Rasulpur, Gram Panchayat : Jabara
Created By: SASMITA NAYAK

1. Earth Work (AR0122Ai) : Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift								
Earth work in all kinds of soil 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 direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	9.000	1.200	1.200	1.200	0.000	15.552	-
ii	Wall Foundation	4.000	3.610	0.450	0.300	0.000	1.949	-
iii	Wall Foundation	1.000	7.980	0.450	0.300	0.000	1.077	-
iv	Column	5.000	1.200	0.450	0.300	0.000	-	0.810
Total Quantity					17.7687 cum (cum)		17.7687 Cum (Cubic Meter)	
Amount					17.7687 X 220.96043508		3926.18	
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	Column	9.000	1.200	1.200	0.150	0.000	1.944	-
ii	Wall Foundation	4.000	3.660	0.450	0.150	0.000	0.988	-
iii	Wall Foundation	1.000	7.980	0.450	0.150	0.000	0.539	-
iv	Room	1.000	3.610	3.660	0.150	0.000	1.982	-
v	Room	1.000	7.420	2.590	0.150	0.000	2.883	-

vi	Room	2.000	1.680	1.070	0.150	0.000	0.539	-	
vii	Room	2.000	1.680	2.240	0.150	0.000	1.129	-	
viii	Column	9.000	1.200	0.450	0.150	0.000	-	0.729	
Total Quantity					9.27465 cum (cum)		9.27465 Cum (Cubic Meter)		
Amount					9.27465 X 751.847232		6973.12		

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	Column	9.000	1.200	1.200	0.100	0.000	1.296	-	
ii	Wall Foundation	4.000	3.660	0.450	0.100	0.000	0.659	-	
iii	Wall Foundation	1.000	7.980	0.450	0.100	0.000	0.359	-	
iv	Room	1.000	3.610	3.660	0.100	0.000	1.321	-	
v	Room	1.000	7.420	2.590	0.100	0.000	1.922	-	
vi	Room	2.000	1.680	1.070	0.100	0.000	0.360	-	
vii	Room	2.000	1.680	2.240	0.100	0.000	0.753	-	
viii	Column	9.000	1.200	0.450	0.100	0.000	-	0.486	
Total Quantity					6.1831 cum (cum)		6.1831 Cum (Cubic Meter)		
Amount					6.1831 X 5952.73917766		36806.38		

4. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	1st Footing	4.000	3.660	0.375	0.100	0.000	0.549	-
ii	1st Footing	1.000	7.980	0.375	0.100	0.000	0.299	-
iii	Step	1.000	2.140	0.500	0.150	0.000	0.161	-
iv	Column	5.000	0.250	0.250	0.100	0.000	-	0.031
Total Quantity					0.9775 cum (cum)		0.9775 Cum (Cubic Meter)	
Amount					0.9775 X 4977.508915288		4865.51	

5. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	10" wall	2.000	7.980	0.250	2.900	0.000	11.571	-
ii	10" Wall	2.000	6.760	0.250	2.900	0.000	9.802	-
iii	10"Wall	2.000	3.660	0.250	2.900	0.000	5.307	-
iv	10"Wall	1.000	3.610	0.250	2.900	0.000	2.617	-
v	Door	1.000	1.370	0.250	2.140	0.000	-	0.733
vi	Door	2.000	0.900	0.250	2.100	0.000	-	0.945
vii	Window	2.000	1.370	0.250	1.370	0.000	-	0.938
viii	Column	9.000	0.250	0.250	2.900	0.000	-	1.631
Total Quantity					25.0496 cum (cum)		25.0496 Cum (Cubic Meter)	
Amount					25.0496 X 5010.838915288		125519.51	

6. Masonry Brick Work (AR0602bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure having crushing strength not less than 75.00 Kg/cm² immersing the with dimensional tolerance ± 8 percent immersing 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	5"Wall	2.000	1.680	0.125	2.900	0.000	1.218	-
ii	Door	2.000	0.760	0.125	2.140	0.000	0.407	-
Total Quantity					1.6246 cum (cum)		1.6246 Cum (Cubic Meter)	
Amount					1.6246 X 5296.985501		8605.48	

7. 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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column Base	9.000	1.100	1.100	0.250	0.000	2.723	-
Total Quantity					2.7225 cum (cum)		2.7225 Cum (Cubic Meter)	
Amount					2.7225 X 6493.6721172047		17679.02	

8. 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	36.180	0.250	0.150	0.000	1.357	-
ii	INNER Plinth	2.000	3.660	0.250	0.150	0.000	0.275	-
Total Quantity					1.63125 cum (cum)		1.63125 Cum (Cubic Meter)	

Amount	1.63125 X 7250.4942423464	11827.37
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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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LINTEL	1.000	36.180	0.250	0.150	0.000	1.357	-
ii	INNER Lintel	2.000	3.660	0.250	0.150	0.000	0.275	-
iii	INNER Lintel	1.000	3.610	0.250	0.150	0.000	0.135	-
Total Quantity					1.766625 cum (cum)		1.766625 Cum (Cubic Meter)	
Amount					1.766625 X 13157.956345735		23245.17	

10. 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 upto plinth	9.000	0.250	0.250	0.700	0.000	0.394	-
ii	Column above plinth	9.000	0.250	0.250	2.900	0.000	1.631	-
iii	Main Beam	1.000	3.610	0.250	0.200	0.000	0.181	-
iv	Wall Beam	1.000	36.180	0.250	0.150	0.000	1.357	-
v	INNER Wall Beam	1.000	3.660	0.250	0.150	0.000	0.137	-

vi	INNER Wall Beam	1.000	3.610	0.250	0.150	0.000	0.135	-
Total Quantity					3.834875 cum (cum)		3.834875 Cum (Cubic Meter)	
Amount					3.834875 X 14549.425504525		55795.23	
11. R.C.C. Work (AR0404Af) : 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 Sun sheds & Chajja)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Window	1.000	1.670	0.000	0.600	0.000	1.002	-
ii	Front Door	1.000	6.630	0.000	0.600	0.000	3.978	-
Total Quantity					4.98 Sqm (Sqm)		4.98 Sqm (Square Meter)	
Amount					4.98 X 1114.4088858323		5549.76	
12. 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	Roof Slab	1.000	8.280	7.060	0.130	0.000	7.599	-
Total Quantity					7.599384 cum (cum)		7.599384 Cum (Cubic Meter)	
Amount					7.599384 X 12795.556521595		97238.35	
13. 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	MS Rod	1.000	20.610	0.000	0.000	0.000	20.610	-
Total Quantity					20.61 Qntl (Quintal)		20.61 Qntl (Quintal)	
Amount					20.61 X 8429.867838		173739.58	

14. 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	Outside Wall	2.000	7.980	0.000	3.450	0.000	55.062	-
ii	Outside Wall	2.000	6.760	0.000	3.450	0.000	46.644	-
iii	Door	1.000	1.370	0.000	2.140	0.500	-	1.466
iv	Window	2.000	1.370	0.000	1.370	0.500	-	1.877
Total Quantity					98.3632 Sqm (Sqm)		98.3632 Sqm (Square Meter)	
Amount					98.3632 X 170.0503077332		16726.69	

15. 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	Inside Wall	2.000	7.480	0.000	3.200	0.000	47.872	-
ii	Inside Wall	2.000	6.260	0.000	3.200	0.000	40.064	-
iii	Inside Wall	4.000	3.660	0.000	3.200	0.000	46.848	-

iv	Inside Wall	2.000	3.610	0.000	3.200	0.000	23.104	-	
v	Door	1.000	1.370	0.000	2.140	0.500	-	1.466	
vi	Door	4.000	0.900	0.000	2.140	0.500	-	3.852	
vii	Window	2.000	1.370	0.000	1.370	0.500	-	1.877	
Total Quantity					150.6932 Sqm (Sqm)		150.6932 Sqm (Square Meter)		
Amount					150.6932 X 244.341858522		36820.66		

16. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer 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	Same qty item 12 mm & 16 mm	1.000	0.000	0.000	0.000	249.050	249.050	-	
ii	Roof Ceiling	1.000	7.420	6.250	0.000	0.000	46.375	-	
iii	Wall Tiles	1.000	0.000	0.000	0.000	46.730	-	46.730	
Total Quantity					248.695 Sqm (Sqm)		248.695 Sqm (Square Meter)		
Amount					248.695 X 72.536702463226		18039.52		

17. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer

Finishing wall two coats with weather coat with one coat waterbound 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	Same quantity item 12 mm & 16 mm	1.000	0.000	0.000	0.000	249.050	249.050	-
ii	Wall tile	1.000	0.000	0.000	0.000	46.730	46.730	-

Total Quantity	295.78 Sqm (Sqm)	295.78 Sqm (Square Meter)
Amount	295.78 X 160.17640605073	47376.98

18. Flooring (AR0816a) : Fixing Marble Tiles in floor, treads or steps and landing of minimum 16 mm thick, dunguri Variety Up to 0.10 Sqm Above 0.10 Sqm. to 0.40 Sqm on a 25mm thick bed of cement mortar 1:1

Fixing Marble Tiles in floor, treads or steps and landing of minimum 16 mm thick, dunguri Variety Up to 0.10 Sqm Above 0.10 Sqm. to 0.40 Sqm 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 marble 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	1.000	3.610	3.660	0.000	0.000	13.213	-
ii	Floor	1.000	7.420	2.590	0.000	0.000	19.218	-
Total Quantity					32.4304 Sqm (Sqm)		32.4304 Sqm (Square Meter)	
Amount					32.4304 X 1437.6978128908		46625.12	

19. Flooring (AR0817af) : Fixing Marble Tiles of minimum 16 mm thick, dunguri Variety Up to 0.10 Sqm in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

Fixing Marble Tiles of minimum 16 mm thick, dunguri Variety Up to 0.10 Sqm 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 Marble tiles including rubbing and polishing complete including cost of precast tiles.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	6.250	0.000	0.150	0.000	0.938	-
ii	Wall	2.000	3.610	0.000	0.150	0.000	1.083	-
iii	Wall	1.000	3.660	0.000	0.150	0.000	0.549	-
iv	Wall	1.000	2.590	0.000	0.150	0.000	0.389	-
v	Wall	2.000	7.420	0.000	0.150	0.000	2.226	-
vi	Door	1.000	1.370	0.000	0.150	0.000	-	0.206
Total Quantity					4.9785 Sqm (Sqm)		4.9785 Sqm (Square Meter)	

Amount						4.9785 X 1452.730928136	7232.42	
20. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet 1&2 Wall	4.000	1.070	0.000	2.140	0.000	9.159	-
ii	Toilet 1 &2 wall	4.000	2.240	0.000	2.140	0.000	19.174	-
iii	Toilet 1 &2 Wall	8.000	1.680	0.000	2.140	0.000	28.762	-
iv	Door	4.000	0.760	0.000	2.140	0.000	-	6.506
v	Door	2.000	0.900	0.000	2.140	0.000	-	3.852
Total Quantity					46.7376 Sqm (Sqm)		46.7376 Sqm (Square Meter)	
Amount					46.7376 X 874.546328136		40874.20	
21. Flooring (AR0817aq) : 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)								
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(For repair and maintenance) .								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	2.000	1.680	1.070	0.000	0.000	3.595	-
ii	Floor	2.000	1.680	2.240	0.000	0.000	7.526	-
Total Quantity					11.1216 Sqm (Sqm)		11.1216 Sqm (Square Meter)	

Amount						11.1216 X 2070.861028136	23031.29	
22. 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	1.000	1.370	0.000	2.140	2.500	7.330	-
ii	Window	2.000	1.370	0.000	1.370	2.750	10.323	-
Total Quantity					17.65245 Sqm (Sqm)		17.65245 Sqm (Square Meter)	
Amount						17.65245 X 229.57454532053	4052.55	
Total Amount							812550.08	
Addition								
Provision for PH Work (+) @							50000.00	
Provision for EI Work (+) @							50000.00	
Provision for Contingency (+) @							8125.50	
Display Citizen Board (+) @							500.00	
Any Other Lumpsum (+) @							78824.40	
Provision for survey investigation and quality control (+) @								
Total Addition							187449.90	
Grand Net Total Amount							999999.98	

SASMITA NAYAK
JE
Rasulpur Block

SATYANARAYAN SAHOO
AEE
Rasulpur Block

Satyananda Dash
BDO
Rasulpur Block