

Detailed Estimate

**OD/369/3545/121073/409850/00070158 : Construction of Panchamuhan Community Centre, Panchamuhan,
Biraharekrushnapur GP**

Block : Sadar, Gram Panchayat : Harekrushnapur

Created By:Malaya Kumar Mondal

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	column	2.000	1.370	1.370	1.220	0.000	4.580	-
ii	Wall	2.000	3.100	0.600	0.600	0.000	2.232	-
iii		1.000	3.660	0.600	0.600	0.000	1.318	-
iv		2.000	0.450	0.450	0.450	0.000	0.182	-
v		1.000	13.710	0.450	0.450	0.000	2.776	-
Total Quantity					11.087761 cum (cum)		11.087761 Cum (Cubic Meter)	
Amount					11.087761 X 240.77592		2669.67	
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	Column	2.000	1.370	1.370	0.150	0.000	0.563	-
ii	Wall	2.000	3.100	0.600	0.150	0.000	0.558	-
iii		1.000	3.660	0.600	0.150	0.000	0.329	-
iv		1.000	3.100	3.660	0.500	0.000	5.673	-

v		1.000	13.710	0.450	0.150	0.000	0.925	-
vi		2.000	0.450	0.450	0.150	0.000	0.061	-
Total Quantity					8.109645 cum (cum)		8.109645 Cum (Cubic Meter)	
Amount					8.109645 X 605.053832		4906.77	

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	Column	2.000	1.370	1.370	0.150	0.000	0.563	-
ii	Wall	2.000	3.100	0.600	0.150	0.000	0.558	-
iii		1.000	3.660	0.600	0.150	0.000	0.329	-
iv	Ver Wall	1.000	13.710	0.450	0.150	0.000	0.925	-
v		1.000	6.550	3.660	0.100	0.000	2.397	-
vi		1.000	3.050	3.660	0.100	0.000	1.116	-
vii		1.000	3.100	3.660	0.100	0.000	1.135	-
viii		1.000	13.710	0.450	0.100	0.000	0.617	-
ix		2.000	0.450	0.450	0.100	0.000	0.041	-
Total Quantity					7.681545 cum (cum)		7.681545 Cum (Cubic Meter)	
Amount					7.681545 X 6055.25385244		46513.70	

4. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	2.000	1.370	1.370	0.300	0.000	1.126	-
ii		2.000	0.600	0.600	0.200	0.000	0.144	-
iii		2.000	0.380	0.380	0.400	0.000	0.116	-
iv		2.000	0.250	0.250	0.350	0.000	0.044	-
v	Grade Beam	1.000	4.220	0.250	0.250	0.000	0.264	-
vi		2.000	3.100	0.250	0.250	0.000	0.388	-
vii	Column in SS	2.000	0.250	0.250	2.900	0.000	0.363	-
viii	Lintel	1.000	4.220	0.250	0.150	0.000	0.158	-
ix		2.000	3.100	0.250	0.150	0.000	0.233	-
x	Chajja	1.000	1.210	0.600	0.080	0.000	0.058	-
xi	Beam	1.000	4.220	0.250	0.150	0.000	0.158	-
xii		2.000	3.100	0.250	0.150	0.000	0.233	-
xiii		1.000	0.750	0.250	0.150	0.000	0.028	-
xiv	Rof slab	1.000	5.280	3.500	0.130	0.000	2.402	-
Total Quantity					5.713265 cum (cum)		5.713265 Cum (Cubic Meter)	
Amount					5.713265 X 6276.6016728988		35859.89	
5. 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	M20	1.000	5.710	1.000	1.000	0.000	5.710	-

Total Quantity	5.71 Qntl (Quintal)	5.71 Qntl (Quintal)
Amount	5.71 X 7957.328127	45436.34

6. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	2.000	5.480	1.000	0.300	0.000	3.288	-
ii		2.000	2.400	1.000	0.200	0.000	0.960	-
iii		2.000	1.000	1.000	0.750	0.000	1.500	-
iv	Gtadebeam	2.000	3.350	1.000	0.250	0.000	1.675	-
v		1.000	4.220	1.000	0.250	0.000	1.055	-
vi		2.000	3.100	1.000	0.250	0.000	1.550	-
vii		1.000	3.660	1.000	0.250	0.000	0.915	-
Total Quantity					10.943 Sqm (Sqm)		10.943 Sqm (Square Meter)	
Amount					10.943 X 216.23489289764		2366.26	

7. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	2.000	1.000	1.000	2.900	0.000	5.800	-
ii	Beam	2.000	3.350	1.000	0.150	0.000	1.005	-
iii		1.000	4.220	1.000	0.150	0.000	0.633	-
iv		2.000	3.100	1.000	0.150	0.000	0.930	-

v		1.000	3.660	1.000	0.150	0.000	0.549	-
vi		0.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					9.917 Sqm (Sqm)		9.917 Sqm (Square Meter)	
Amount					9.917 X 1047.3822930467		10386.89	
8. R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting								
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	2.000	3.350	1.000	0.150	0.000	1.005	-
ii		1.000	4.220	1.000	0.150	0.000	0.633	-
iii		2.000	3.100	1.000	0.150	0.000	0.930	-
iv		1.000	3.660	1.000	0.150	0.000	0.549	-
v	Chajja	1.000	1.210	1.000	0.500	0.000	0.605	-
Total Quantity					3.722 Sqm (Sqm)		3.722 Sqm (Square Meter)	
Amount					3.722 X 499.15267251462		1857.85	
9. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas								
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	3.660	1.000	3.100	0.000	11.346	-
ii		1.000	3.350	1.000	0.600	0.000	2.010	-
iii		1.000	3.350	1.000	0.150	0.000	0.503	-
Total Quantity					13.8585 Sqm (Sqm)		13.8585 Sqm (Square Meter)	

Amount							13.8585 X 662.689943368	9183.89
10. 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/cm ² 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		1.000	14.160	0.380	0.180	0.000	0.969	-
ii		2.000	0.450	0.380	0.180	0.000	0.062	-
iii		1.000	14.160	0.250	0.600	0.000	2.124	-
iv		2.000	0.450	0.250	0.600	0.000	0.135	-
v		3.000	1.500	0.750	0.300	0.000	1.013	-
vi		3.000	1.500	0.500	0.150	0.000	0.338	-
vii		3.000	1.500	0.250	0.150	0.000	0.169	-
Total Quantity					4.807854 cum (cum)		4.807854 Cum (Cubic Meter)	
Amount					4.807854 X 5090.022198592		24472.08	
11. 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/cm ² 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		1.000	3.660	0.250	2.900	0.000	2.654	-
ii		2.000	3.660	0.250	3.000	0.000	5.490	-
iii		2.000	3.100	0.250	2.900	0.000	4.495	-

iv	Door	2.000	1.500	0.250	2.130	0.000	-	1.598
v	Door	1.000	0.900	0.250	1.200	0.000	-	0.270
Total Quantity					10.771 cum (cum)		10.771 Cum (Cubic Meter)	
Amount					10.771 X 5123.352198592		55183.63	

12. Masonry Stone Work (AR0717) : Laterite stone masonry

Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	3.660	0.560	0.200	0.000	0.410	-
ii		2.000	3.100	0.560	0.200	0.000	0.694	-
iii		1.000	3.660	0.280	0.600	0.000	0.615	-
iv		2.000	3.100	0.280	0.600	0.000	1.042	-
Total Quantity					2.7608 cum (cum)		2.7608 Cum (Cubic Meter)	
Amount					2.7608 X 5796.627530992		16003.33	

13. 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		2.000	1.000	2.900	1.000	0.000	5.800	-
ii		2.000	3.100	0.150	1.000	0.000	0.930	-
iii		2.000	3.050	0.150	1.000	0.000	0.915	-
iv		2.000	6.550	0.150	1.000	0.000	1.965	-
v		2.000	4.220	0.150	1.000	0.000	1.266	-
vi		6.000	3.660	0.150	1.000	0.000	3.294	-

vii		2.000	3.660	0.250	1.000	0.000	1.830	-
viii		1.000	13.710	0.850	1.000	0.000	11.654	-
ix		5.000	0.750	0.550	1.000	0.000	2.063	-
Total Quantity					29.716 Sqm (Sqm)		29.716 Sqm (Square Meter)	
Amount					29.716 X 191.7288715792		5697.42	

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		1.000	13.710	1.000	3.200	0.000	43.872	-
ii		2.000	4.220	1.000	3.200	0.000	27.008	-
iii		2.000	3.660	1.000	3.000	0.000	21.960	-
iv		1.000	13.710	1.000	0.700	0.000	9.597	-
v		2.000	0.450	1.000	0.600	0.000	0.540	-
vi	Door	2.000	1.500	1.000	2.130	0.000	-	6.390
vii	Window	1.000	0.900	1.000	1.200	0.000	-	1.080
Total Quantity					95.507 Sqm (Sqm)		95.507 Sqm (Square Meter)	
Amount					95.507 X 173.8859196488		16607.32	

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	Wall	2.000	6.550	1.000	3.000	0.000	39.300	-
ii		2.000	3.050	1.000	3.000	0.000	18.300	-

iii		5.000	3.660	1.000	3.000	0.000	54.900	-	
iv	Door	2.000	1.500	1.000	2.130	0.000	-	6.390	
v	window	1.000	0.900	1.000	1.070	0.000	-	0.963	
Total Quantity					105.147 Sqm (Sqm)		105.147 Sqm (Square Meter)		
Amount					105.147 X 248.946107748		26175.94		

16. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Flooring	1.000	6.550	1.000	3.660	0.000	23.973	-	
ii		1.000	3.100	1.000	3.660	0.000	11.346	-	
iii		1.000	3.050	1.000	3.660	0.000	11.163	-	
iv	Ver Floor	1.000	13.710	1.000	0.700	0.000	9.597	-	
Total Quantity					56.079 Sqm (Sqm)		56.079 Sqm (Square Meter)		
Amount					56.079 X 372.1228818488		20868.28		

17. 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	12mm plaster	1.000	1.000	1.000	95.507	0.000	95.507	-	
ii	16mm plaster	1.000	1.000	1.000	105.147	0.000	105.147	-	
iii	6mm plaster	1.000	1.000	1.000	29.716	0.000	29.716	-	
Total Quantity					230.37 Sqm (Sqm)		230.37 Sqm (Square Meter)		
Amount					230.37 X 71.83753306751		16549.21		

18. 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	12mm plaster	1.000	1.000	1.000	95.507	0.000	95.507	-
ii	16mm plaster	1.000	1.000	1.000	105.147	0.000	105.147	-
iii	6mm plaster	1.000	1.000	1.000	29.716	0.000	29.716	-
Total Quantity					230.37 Sqm (Sqm)		230.37 Sqm (Square Meter)	
Amount					230.37 X 57.09560199		13153.11	
Total Amount							353891.58	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							4025.00	
Display Citizen Board (+) @							4967.00	
Any Other Lumpsum (+) @							39631.00	
Provision for survey investigation and quality control (+) @								
Total Addition							48623.00	
Grand Net Total Amount							402514.58	

Malaya Kumar Mondal
JE
Sadar Block

Buddhadev Rath
AEE
Sadar Block

SAMBEET SATAPATHY
BDO
Sadar Block