

Detailed Estimate

**OD/345/3297/116037/420890/00063773 : CONSTRUCTION OF COMMUNITY CENTRE FOR MALISAMAJ AT
TIKRAPADA**

Block : Turekela, Gram Panchayat : Kande

Created By:MANORANJAN SAHU

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									
SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Column	6.000	4.000	4.000	4.000	0.000	384.000	-	
ii	Long wall	2.000	22.250	2.000	2.000	0.000	178.000	-	
iii	Short wall	2.000	12.500	2.000	2.000	0.000	100.000	-	
iv	deduction column portion	6.000	2.000	2.000	2.000	0.000	-	48.000	
Total Quantity					614 Cft (Cubic Foot)		17.3865152 Cum (Cubic Meter)		
Amount					17.3865152 X 240.77592		4186.25		
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	6.000	4.000	4.000	0.500	0.000	48.000	-	
ii	Long wall	2.000	22.250	2.000	0.500	0.000	44.500	-	
iii	Short wall	2.000	12.500	2.000	0.500	0.000	25.000	-	
iv	deduction column portion	6.000	2.000	2.000	0.500	0.000	-	12.000	

v	HALL	0.000	19.500	13.500	1.000	0.000	263.250	-
Total Quantity					368.75 Cft (Cubic Foot)		10.44182 Cum (Cubic Meter)	
Amount					10.44182 X 538.232232		5620.12	
3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	6.000	4.000	4.000	0.500	0.000	48.000	-
ii	Long wall	2.000	22.250	2.000	0.500	0.000	44.500	-
iii	Short wall	2.000	12.500	2.000	0.500	0.000	25.000	-
iv	deduction column portion	6.000	2.000	2.000	0.500	0.000	-	12.000
v	HALL	1.000	19.500	13.500	0.330	0.000	86.873	-
vi	LONG WALL	2.000	21.750	1.500	2.000	0.000	130.500	-
vii	SHORT WALL	2.000	12.750	1.500	2.000	0.000	76.500	-
viii	COLUMN	6.000	0.750	0.750	2.000	0.000	-	6.750
Total Quantity					392.6225 Cft (Cubic Foot)		11.117812808 Cum (Cubic Meter)	
Amount					11.117812808 X 5005.82879736		55653.87	
4. Masonry Brick Work (AR0603ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with C.B. 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	LONG WALL	2.000	21.000	0.750	9.500	0.000	299.250	-
ii	SHORT WALL	2.000	13.500	0.750	9.500	0.000	192.375	-
iii	COLUMN	6.000	0.750	0.750	9.500	0.000	-	32.063
iv	Door	1.000	3.500	0.750	7.000	0.000	-	18.375
v	Window	2.000	4.000	0.750	4.000	0.000	-	24.000

Total Quantity					417.1875 Cft (Cubic Foot)		11.813415 Cum (Cubic Meter)	
Amount					11.813415 X 4903.953237248		57932.43	

5. 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	6.000	4.000	4.000	1.000	0.000	96.000	-
ii	Column	6.000	6.406	1.000	0.660	0.000	25.369	-

Total Quantity					121.36875 Cft (Cubic Foot)		3.43677462 Cum (Cubic Meter)	
Amount					3.43677462 X 5775.7766986737		19850.04	

6. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Long wall	2.000	21.000	0.750	0.750	0.000	23.625	-

ii	Short wall	2.000	13.500	0.750	0.750	0.000	15.188	-
Total Quantity					38.8125 Cft (Cubic Foot)		1.0990458 Cum (Cubic Meter)	
Amount					1.0990458 X 6532.5988238154		7179.63	
7. 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	Long wall	2.000	21.000	0.750	0.500	0.000	15.750	-
ii	Short wall	2.000	13.500	0.750	0.500	0.000	10.125	-
Total Quantity					25.875 Cft (Cubic Foot)		0.7326972 Cum (Cubic Meter)	
Amount					0.7326972 X 12440.060927204		9114.80	
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	6.000	0.750	0.750	11.000	0.000	37.125	-
ii	Roof Beam	1.000	15.000	0.750	0.750	0.000	8.438	-
Total Quantity					45.5625 Cft (Cubic Foot)		1.2901842 Cum (Cubic Meter)	
Amount					1.2901842 X 13831.530085994		17845.22	

9. 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	Chajja	2.000	5.000	1.500	0.250	0.000	3.750	-
ii	Chajjam	1.000	15.000	1.500	0.250	0.000	5.625	-
iii	window chajja	2.000	5.000	1.500	0.250	0.000	3.750	-
iv	Roof slab	0.000	22.000	16.000	0.330	0.000	116.160	-
Total Quantity					129.285 Cft (Cubic Foot)		3.660937488 Cum (Cubic Meter)	
Amount					3.660937488 X 12077.661103064		44215.56	

10. 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	Rod	1.000	10.215	0.900	1.000	0.000	9.194	-
Total Quantity					9.1935 Qntl (Quintal)		9.1935 Qntl (Quintal)	
Amount					9.1935 X 8930.4690254		82102.27	

11. 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	2.000	33.000	0.000	10.000	0.000	660.000	-

ii	door	1.000	3.500	0.500	7.000	0.000	12.250	-
iii	window	2.000	4.000	0.500	4.000	0.000	16.000	-
Total Quantity					688.25 Sft (Square Foot)		63.94048975 Sqm (Square Meter)	
Amount					63.94048975 X 241.664751512		15452.16	

12. Plastering (AR1014i) : 16mm thick cement Plaster in CM (1:6) over brick work in outside (outside)

16mm thick cement Plaster in CM (1:6) over brick work in outside 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	36.000	0.000	10.000	0.000	720.000	-
ii	door	1.000	3.500	0.500	7.000	0.000	12.250	-
iii	window	2.000	4.000	0.500	4.000	0.000	16.000	-
Total Quantity					748.25 Sft (Square Foot)		69.51466975 Sqm (Square Meter)	
Amount					69.51466975 X 241.664751512		16799.25	

13. 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	Inside	2.000	33.000	0.000	10.000	0.000	660.000	-
ii	door	1.000	3.500	0.500	7.000	0.000	12.250	-
iii	window	2.000	4.000	0.500	4.000	0.000	16.000	-
Total Quantity					688.25 Sft (Square Foot)		63.94048975 Sqm (Square Meter)	

Amount		63.94048975 X 79.21834					5065.26	
14. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)								
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	Inside	2.000	33.000	0.000	10.000	0.000	660.000	-
ii	door	1.000	3.500	0.500	7.000	0.000	12.250	-
iii	window	2.000	4.000	0.500	4.000	0.000	16.000	-
Total Quantity					688.25 Sft (Square Foot)		63.94048975 Sqm (Square Meter)	
Amount		63.94048975 X 94.7901564					6060.93	
15. 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	2.000	33.000	0.000	10.000	0.000	660.000	-
ii	door	1.000	3.500	0.500	7.000	0.000	12.250	-
iii	window	2.000	4.000	0.500	4.000	0.000	16.000	-
Total Quantity					688.25 Sft (Square Foot)		63.94048975 Sqm (Square Meter)	
Amount		63.94048975 X 71.85770801951					4594.62	
16. 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	out side	2.000	36.000	0.000	10.000	0.000	720.000	-
ii	door	1.000	3.500	0.500	7.000	0.000	12.250	-
iii	window	2.000	4.000	0.500	4.000	0.000	16.000	-
Total Quantity					748.25 Sft (Square Foot)		69.51466975 Sqm (Square Meter)	
Amount					69.51466975 X 57.11361534		3970.23	

17. Painting (AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside)

Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, 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		1.000	100.000	0.000	0.000	0.000	100.000	-
Total Quantity					100 Sft (Square Foot)		9.2903 Sqm (Square Meter)	
Amount					9.2903 X 156.91624171951		1457.80	

18. 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	1.000	3.500	3.000	7.000	0.000	73.500	-
ii	WINDOW	2.000	4.000	4.000	4.000	0.000	128.000	-
Total Quantity					201.5 Kg (Kilo Gram)		2.015 Qntl (Quintal)	
Amount					2.015 X 16249.449255087		32742.64	

19. 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	Room	1.000	19.500	1.000	13.500	0.000	263.250	-
Total Quantity					263.25 Sft (Square Foot)		24.45671475 Sqm (Square Meter)	
Amount					24.45671475 X 351.0507608272		8585.55	
Total Amount							398428.63	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							0.00	
Display Citizen Board (+) @							1769.70	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							1769.70	
Grand Net Total Amount							400198.33	

MANORANJAN SAHU
JE
Turekela Block

NABA MALLICK
AEE
Turekela Block

Purnananda Patel
BDO
Turekela Block