

Detailed Estimate

**OD/361/3452/119452/386174/00013843 : CONSTRUCTION OF MARKET COMPLEX AT Haat padia of village Dimbo near R.I.
office ,Dimbo GP
Block : Kendujhar Sadar, Gram Panchayat : Dimbo
Created By:Samir Kabi**

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	COLUMNC	10.000	1.200	1.200	1.200	0.000	17.280	-
ii	WALLS	1.000	45.930	0.600	0.600	0.000	16.535	-
iii	verandha	2.000	1.250	0.600	0.600	0.000	0.900	-
iv		1.000	14.540	0.600	0.600	0.000	5.234	-
v		2.000	3.550	0.600	0.600	0.000	2.556	-
vi	column	10.000	1.200	0.600	0.600	0.000	-	4.320
Total Quantity					38.1852 cum (cum)		38.1852 Cum (Cubic Meter)	
Amount					38.1852 X 240.77592		9194.08	
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	COLUMNC	10.000	1.200	1.200	0.150	0.000	2.160	-
ii	WALLS	1.000	45.930	0.600	0.100	0.000	2.756	-
iii	verandha	2.000	1.250	0.600	0.100	0.000	0.150	-
iv		1.000	14.540	0.600	0.100	0.000	0.872	-
v		2.000	3.550	0.600	0.100	0.000	0.426	-
vi	column	10.000	1.200	0.600	0.100	0.000	-	0.720

vii	floor	4.000	3.380	3.100	0.500	0.000	20.956	-
viii	column foundation	0.500	17.279	0.000	0.000	0.000	8.640	-
Total Quantity					35.2397 cum (cum)		35.2397 Cum (Cubic Meter)	
Amount					35.2397 X 995.055232		35065.45	

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	COLUMNC	10.000	1.200	1.200	0.150	0.000	2.160	-
ii	WALLS	1.000	45.930	0.600	0.100	0.000	2.756	-
iii	verandha	2.000	1.250	0.600	0.100	0.000	0.150	-
iv		1.000	14.540	0.600	0.100	0.000	0.872	-
v		2.000	3.550	0.600	0.100	0.000	0.426	-
vi	column	10.000	1.200	0.600	0.100	0.000	-	0.720
vii	floor	4.000	3.380	3.100	0.100	0.000	4.191	-
Total Quantity					9.8354 cum (cum)		9.8354 Cum (Cubic Meter)	
Amount					9.8354 X 6025.07454946		59259.02	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALLS	1.000	45.930	0.400	0.550	0.000	10.105	-
ii	verandha	2.000	1.250	0.250	0.550	0.000	0.344	-
iii		1.000	14.540	0.250	0.550	0.000	1.999	-

iv		2.000	3.550	0.250	0.450	0.000	0.799	-
v	column	10.000	0.250	0.250	0.550	0.000	-	0.344
Total Quantity					12.9026 cum (cum)		12.9026 Cum (Cubic Meter)	
Amount					12.9026 X 5196.001976928		67041.94	
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/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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	1.000	45.930	0.250	2.750	0.000	31.577	-
ii	column	10.000	0.250	0.250	2.750	0.000	-	1.719
iii	door	4.000	2.320	0.250	2.120	0.000	-	4.918
Total Quantity					24.939725 cum (cum)		24.939725 Cum (Cubic Meter)	
Amount					24.939725 X 5229.331976928		130418.10	
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 base	10.000	1.200	1.200	0.300	0.000	4.320	-
ii	footing	10.000	0.750	0.750	0.300	0.000	1.688	-
Total Quantity					6.0075 cum (cum)		6.0075 Cum (Cubic Meter)	
Amount					6.0075 X 6572.3351234507		39483.30	
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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth beam	1.000	45.930	0.250	0.250	0.000	2.871	-
Total Quantity					2.870625 cum (cum)		2.870625 Cum (Cubic Meter)	
Amount					2.870625 X 7329.1572485924		21039.26	

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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	columnm	10.000	0.250	0.250	0.650	0.000	0.406	-
ii	column super	10.000	0.250	0.250	2.750	0.000	1.719	-
iii	wall beam	1.000	45.930	0.250	0.250	0.000	2.871	-
iv	cantilever beam	5.000	1.220	0.250	0.150	0.000	0.229	-
Total Quantity					5.224375 cum (cum)		5.224375 Cum (Cubic Meter)	
Amount					5.224375 X 14628.088510771		76422.62	

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 beam	1.000	45.930	0.250	0.150	0.000	1.722	-
Total Quantity					1.722375 cum (cum)		1.722375 Cum (Cubic Meter)	
Amount					1.722375 X 13236.619351981		22798.42	

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	lintel beam	1.000	15.050	4.950	0.100	0.000	7.450	-
Total Quantity					7.44975 cum (cum)		7.44975 Cum (Cubic Meter)	
Amount					7.44975 X 12874.219527841		95909.72	

11. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.

20mm thick cement Plaster in CM (1:4) over stone 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel beam	1.000	15.050	0.000	4.950	0.000	74.498	-
Total Quantity					74.4975 Sqm (Sqm)		74.4975 Sqm (Square Meter)	
Amount					74.4975 X 277.5622799456		20677.70	

12. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	roomm	8.000	3.380	0.000	3.050	0.000	82.472	-
ii		8.000	3.100	0.000	3.050	0.000	75.640	-
iii	door	4.000	2.320	0.000	2.120	0.000	-	19.674
Total Quantity					138.4384 Sqm (Sqm)		138.4384 Sqm (Square Meter)	
Amount					138.4384 X 251.567747982		34826.64	

13. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plaster (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 wall and plinth	2.000	14.790	0.000	3.700	0.000	109.446	-
ii		2.000	3.620	0.000	3.700	0.000	26.788	-
iii	door	4.000	2.320	0.000	2.120	0.000	-	19.674
Total Quantity					116.5604 Sqm (Sqm)		116.5604 Sqm (Square Meter)	
Amount					116.5604 X 176.0697457292		20522.76	

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	4.000	3.380	0.000	3.100	0.000	41.912	-
ii	cantilever	1.000	14.790	0.000	1.250	0.000	18.488	-
iii	cornice	4.000	22.030	0.000	0.250	0.000	-	22.030
Total Quantity					38.3695 Sqm (Sqm)		38.3695 Sqm (Square Meter)	
Amount					38.3695 X 193.3268969728		7417.86	

15. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	4.000	3.380	3.100	0.000	0.000	41.912	-
ii	verandha	1.000	14.790	1.250	0.000	0.000	18.488	-
Total Quantity					60.3995 Sqm (Sqm)		60.3995 Sqm (Square Meter)	
Amount					60.3995 X 372.0144624292		22469.49	

16. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	taking 0.90 of rcc volume	1.000	22.800	0.850	0.000	0.000	19.380	-
Total Quantity					19.38 Qntl (Quintal)		19.38 Qntl (Quintal)	
Amount					19.38 X 8960.6527542		173657.45	

17. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	steel shutter	4.000	2.320	2.120	30.000	0.000	590.208	-
Total Quantity					590.208 Kg (Kilo Gram)		5.90208 Qntl (Quintal)	
Amount					5.90208 X 16278.118711087		96074.76	

18. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	inside room	1.000	138.438	0.000	0.000	0.000	138.438	-
ii	ceiling	1.000	41.912	0.000	0.000	0.000	41.912	-
Total Quantity					180.35 Sqm (Sqm)		180.35 Sqm (Square Meter)	
Amount					180.35 X 71.84257680551		12956.81	

19. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	outside room	1.000	116.560	0.000	0.000	0.000	116.560	-
ii	cornice	1.000	18.480	0.000	0.000	0.000	18.480	-
iii	cantilever slab	1.000	22.030	0.000	0.000	0.000	22.030	-
Total Quantity					157.07 Sqm (Sqm)		157.07 Sqm (Square Meter)	
Amount					157.07 X 160.71529806685		25243.55	
20. Painting (AR0903ak) : Painting two coats of enamel paint with a coat of wood primer new wood work in inner surface paint (Inside)(For repair and maintenance) .								
Painting two coats of enamel paint with a coat of wood primer in new wood work inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	door	4.000	2.320	2.120	1.250	0.000	24.592	-
Total Quantity					24.592 Sqm (Sqm)		24.592 Sqm (Square Meter)	
Amount					24.592 X 238.24499990129		5858.92	
Total Amount							976337.83	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							10662.00	
Provision for Contingency (+) @							10000.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @								
Total Addition							23662.00	
Grand Net Total Amount							999999.83	