

Detailed Estimate

OD/361/3452/119468/386138/00015527 : Provision of Facility center at Raghunathpur GP head QTR

Block : Kendujhar Sadar, Panchayat : Raghunathpur

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	COLUMN	8.000	1.200	1.200	1.200	0.000	13.824	-	
ii	WALLS	1.000	40.820	0.600	0.500	0.000	12.246	-	
iii	column	8.000	1.200	0.600	0.500	0.000	-	2.880	
Total Quantity					23.19 cum (cum)		23.19 Cum (Cubic Meter)		
Amount					23.19 X 235.56432		5462.74		
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	8.000	1.200	1.200	0.150	0.000	1.728	-	
ii	walls	1.000	40.820	0.600	0.100	0.000	2.449	-	
iii	floor hall	1.000	9.860	3.820	0.600	0.000	22.599	-	
iv	toilet	2.000	1.720	1.720	0.600	0.000	3.550	-	
v	column f & p	1.000	0.333	13.824	0.000	0.000	4.608	-	
vi	column	8.000	1.200	0.600	0.100	0.000	-	0.576	
Total Quantity					34.358395392 cum (cum)		34.358395392 Cum (Cubic Meter)		
Amount					34.358395392 X 1051.841472		36139.59		

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	8.000	1.200	1.200	0.150	0.000	1.728	-
ii	wall	1.000	40.820	0.600	0.100	0.000	2.449	-
iii	floor hall	1.000	9.860	3.820	0.100	0.000	3.767	-
iv	toilet	2.000	1.720	1.720	0.100	0.000	0.592	-
v	column	8.000	0.600	0.250	0.100	0.000	-	0.120
Total Quantity					8.4154 cum (cum)		8.4154 Cum (Cubic Meter)	
Amount					8.4154 X 5937.07439884		49962.86	

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	40.820	0.375	1.100	0.000	16.838	-
ii	column	8.000	0.375	0.375	1.100	0.000	-	1.238
Total Quantity					15.60075 cum (cum)		15.60075 Cum (Cubic Meter)	
Amount					15.60075 X 5224.294842712		81502.92	

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	8.000	1.200	1.200	0.250	0.000	2.880	-

ii		8.000	0.600	0.600	0.250	0.000	0.720	-
Total Quantity					3.6 cum (cum)		3.6 Cum (Cubic Meter)	
Amount					3.6 X 6519.8447268133		23471.44	
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	plinth bend	1.000	40.820	0.250	0.250	0.000	2.551	-
Total Quantity					2.55125 cum (cum)		2.55125 Cum (Cubic Meter)	
Amount					2.55125 X 7273.131851955		18555.58	
7. 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	column upto plinth	8.000	0.375	0.250	0.800	0.000	0.600	-
ii	column super	8.000	0.375	0.250	2.800	0.000	2.100	-
iii	wall beam	1.000	40.820	0.250	0.150	0.000	1.531	-
iv	cantilever	4.000	0.750	0.250	0.150	0.000	0.113	-
v	hall beam	2.000	3.820	0.250	0.300	0.000	0.573	-
Total Quantity					4.91625 cum (cum)		4.91625 Cum (Cubic Meter)	
Amount					4.91625 X 14471.290364133		71144.48	
8. 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	40.820	0.250	0.150	0.000	1.531	-
Total Quantity					1.53075 cum (cum)		1.53075 Cum (Cubic Meter)	
Amount					1.53075 X 13140.320205344		20114.55	

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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	roof slab	1.000	14.120	5.270	0.125	0.000	9.302	-
Total Quantity					9.30155 cum (cum)		9.30155 Cum (Cubic Meter)	
Amount					9.30155 X 12761.528081203		118701.99	

10. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALLS	1.000	39.300	0.250	2.800	0.000	27.510	-
ii	partion wall	1.000	3.820	0.125	2.800	0.000	1.337	-
iii		1.000	1.720	0.125	2.800	0.000	0.602	-
iv	column	8.000	0.375	0.250	2.800	0.000	-	2.100
v	door	2.000	1.200	0.250	2.100	0.000	-	1.260
vi	window	3.000	1.200	0.250	1.370	0.000	-	1.233
vii	door toilet	2.000	0.750	0.125	2.100	0.000	-	0.394

viii	ventilator	4.000	0.450	0.250	0.300	0.000	-	0.135
Total Quantity					24.32725 cum (cum)		24.32725 Cum (Cubic Meter)	
Amount					24.32725 X 5257.624842712		127903.55	
11. 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	reinforcement	1.000	21.840	1.000	0.000	0.000	21.840	-
Total Quantity					21.84 Qntl (Quintal)		21.84 Qntl (Quintal)	
Amount					21.84 X 9246.0884098		201934.57	
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	floor hall	2.000	9.860	3.200	0.000	0.000	63.104	-
ii	toilet	2.000	3.820	3.200	0.000	0.000	24.448	-
iii	toilet	8.000	1.720	3.200	0.000	0.000	44.032	-
iv	door	2.000	1.200	2.100	0.000	0.000	-	5.040
v		4.000	0.900	2.100	0.000	0.000	-	7.560
vi	window	3.000	1.220	1.370	0.000	0.000	-	5.014
Total Quantity					113.9698 Sqm (Sqm)		113.9698 Sqm (Square Meter)	
Amount					113.9698 X 248.830006228		28359.11	
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	2.000	13.870	4.350	0.000	0.000	120.669	-
ii		2.000	4.270	4.350	0.000	0.000	37.149	-
iii	door	2.000	1.200	2.100	0.000	0.000	-	5.040
iv	window	3.000	1.220	1.370	0.000	0.000	-	5.014
Total Quantity					147.7638 Sqm (Sqm)		147.7638 Sqm (Square Meter)	
Amount					147.7638 X 174.5287612168		25789.03	

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 toilet	2.000	1.720	1.720	0.000	0.000	5.917	-
ii	hall	1.000	9.860	3.820	0.000	0.000	37.665	-
iii	chjja	1.000	13.870	0.880	0.000	0.000	12.206	-
iv	window	3.000	1.500	0.750	0.000	0.000	3.375	-
v	cornice	1.000	19.540	0.250	0.000	0.000	4.885	-
Total Quantity					64.0476 Sqm (Sqm)		64.0476 Sqm (Square Meter)	
Amount					64.0476 X 190.8540410912		12223.74	

15. Flooring (AR0816k) : Fixing tiles in floors(30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755)(For repair and maintenance)

Fixing Marble Tiles in floor (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755), treads, or steps and landing 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 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	toilet floor	2.000	1.720	1.720	0.000	0.000	5.917	-
Total Quantity					5.9168 Sqm (Sqm)		5.9168 Sqm (Square Meter)	

Amount					5.9168 X 1284.9655316262	7602.88		
16. Flooring (AR0817bk) : Fixing 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)(For repair and maintenance)								
Fixing Marble Tiles in floor (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 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	toilet	8.000	1.720	1.500	0.000	0.000	20.640	-
ii	door	2.000	0.900	1.500	0.000	0.000	-	2.700
Total Quantity					17.94 Sqm (Sqm)		17.94 Sqm (Square Meter)	
Amount					17.94 X 960.837364331		17237.42	
17. Flooring (AR0817ba) : Fixing Vitrified floor tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Plain (Ivory) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3)								
Fixing Vitrified floor tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Plain (Ivory) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including rubbing and polishing complete including cost of precast tiles.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	dado	2.000	9.860	0.150	0.000	0.000	2.958	-
ii		2.000	3.820	0.150	0.000	0.000	1.146	-
iii		1.000	13.870	0.150	0.000	0.000	2.081	-
Total Quantity					6.1845 Sqm (Sqm)		6.1845 Sqm (Square Meter)	
Amount					6.1845 X 1253.877148331		7754.60	
18. Other Building Items. (AR1901Bd) : Vitrified Tile 600mmx600mm Vitrified floor tile 1200mmx1800mm								
Supplying, fitting & fixing Vitrified floor tile of size 1200mmx1800mm of approved shade & make(Single charge) of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	floor	1.000	9.860	3.820	0.000	0.000	37.665	-

Total Quantity		37.6652 Sqm (Sqm)		37.6652 Sqm (Square Meter)				
Amount		37.6652 X 1336.9671740328		50357.14				
19. 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	door	2.000	1.220	2.100	30.000	0.000	153.720	-
ii		2.000	0.900	2.100	30.000	0.000	113.400	-
iii	window	3.000	1.220	1.370	35.000	0.000	175.497	-
Total Quantity		442.617 Kg (Kilo Gram)		4.42617 Qntl (Quintal)				
Amount		4.42617 X 16401.911264976		72597.65				
Total Amount				976815.83				
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @								
Display Citizen Board (+) @								
Any Other Lumpsum (+) @								
Total Addition				23184.16				
Grand Net Total Amount				999999.99				