

Detailed Estimate

**OD/363/3471/119803/428971/00068983 : Construction of community-cum-cultural centre at Jagannath Mandir Kolab
Nagar**

Block : Koraput, Gram Panchayat : Kerenga

Created By: P Santosh Kumar Patro

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		4.000	1.200	1.200	1.200	0.000	6.912	-	
ii		2.000	6.640	0.750	0.750	0.000	7.470	-	
iii		2.000	4.080	0.750	0.750	0.000	4.590	-	
iv		4.000	1.200	0.750	0.750	0.000	-	2.700	
Total Quantity					16.272 cum (cum)		16.272 Cum (Cubic Meter)		
Amount					16.272 X 240.77592		3917.91		
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		4.000	1.200	1.200	0.050	0.000	0.288	-	
ii		2.000	6.640	0.750	0.050	0.000	0.498	-	
iii		2.000	4.080	0.750	0.050	0.000	0.306	-	
iv		1.000	5.460	4.400	0.200	0.000	4.805	-	
v		4.000	1.200	0.750	0.050	0.000	-	0.180	
Total Quantity					5.7168 cum (cum)		5.7168 Cum (Cubic Meter)		

Amount				5.7168 X 1194.227232			6827.16	
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		4.000	1.200	1.200	0.100	0.000	0.576	-
ii		2.000	6.640	0.750	0.100	0.000	0.996	-
iii		2.000	4.080	0.750	0.100	0.000	0.612	-
iv		1.000	5.010	4.400	0.100	0.000	2.204	-
v		2.000	1.500	0.600	0.100	0.000	0.180	-
vi		4.000	1.200	0.750	0.150	0.000	-	0.540
Total Quantity					4.0284 cum (cum)		4.0284 Cum (Cubic Meter)	
Amount				4.0284 X 5996.98467994			24158.25	
4. Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry.								
Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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		2.000	6.490	0.600	0.450	0.000	3.505	-
ii		2.000	4.230	0.600	0.450	0.000	2.284	-
iii		2.000	5.440	0.450	0.450	0.000	2.203	-
iv		2.000	4.380	0.450	0.450	0.000	1.774	-
v		4.000	0.350	0.230	0.900	0.000	-	0.290
Total Quantity					9.4761 cum (cum)		9.4761 Cum (Cubic Meter)	

Amount		9.4761 X 4757.7206377886					45084.64	
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.)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		4.000	1.200	1.200	0.230	0.000	1.325	-
Total Quantity					1.3248 cum (cum)		1.3248 Cum (Cubic Meter)	
Amount		1.3248 X 6515.3129804171					8631.49	
6. 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		4.000	0.600	0.600	0.300	0.000	0.432	-
ii		4.000	0.350	0.230	4.750	0.000	1.530	-
iii		2.000	6.120	0.230	0.230	0.000	0.647	-
iv		2.000	4.600	0.230	0.230	0.000	0.487	-
Total Quantity					3.095676 cum (cum)		3.095676 Cum (Cubic Meter)	
Amount		3.095676 X 14582.874767143					45143.86	
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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	6.120	0.230	0.230	0.000	0.647	-
ii		2.000	4.600	0.230	0.230	0.000	0.487	-
Total Quantity					1.134176 cum (cum)		1.134176 Cum (Cubic Meter)	
Amount					1.134176 X 7273.791469118		8249.76	

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	6.120	0.230	0.150	0.000	0.422	-
ii		2.000	4.600	0.230	0.150	0.000	0.317	-
Total Quantity					0.73968 cum (cum)		0.73968 Cum (Cubic Meter)	
Amount					0.73968 X 13196.709819394		9761.34	

9. 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		1.000	13.390	0.450	0.000	0.000	6.026	-
ii		2.000	4.600	0.450	0.000	0.000	4.140	-

Total Quantity			10.1655 Sqm (Sqm)				10.1655 Sqm (Square Meter)	
Amount			10.1655 X 1117.7281178816				11362.27	
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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	6.420	5.360	0.120	0.000	4.129	-
Total Quantity			4.129344 cum (cum)				4.129344 Cum (Cubic Meter)	
Amount			4.129344 X 12834.771237889				52999.19	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	8.900	0.000	0.000	0.000	8.900	-
Total Quantity			8.9 Qntl (Quintal)				8.9 Qntl (Quintal)	
Amount			8.9 X 8683.1421747				77279.97	
12. 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		2.000	6.120	0.230	1.500	0.000	4.223	-
ii		2.000	4.570	0.230	1.500	0.000	3.153	-
iii		5.000	0.600	0.230	1.200	0.000	0.828	-
iv		1.000	1.200	0.230	1.000	0.000	-	0.276
v		4.000	0.230	0.230	1.500	0.000	-	0.317

Total Quantity					7.6107 cum (cum)		7.6107 Cum (Cubic Meter)	
Amount					7.6107 X 5241.638550592		39892.54	

13. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	6.120	1.500	0.000	0.000	18.360	-
ii		2.000	5.060	1.500	0.000	0.000	15.180	-
iii		5.000	1.060	1.200	0.000	0.000	6.360	-
iv		1.000	1.200	1.000	0.000	0.000	-	1.200

Total Quantity					38.7 Sqm (Sqm)		38.7 Sqm (Square Meter)	
Amount					38.7 X 177.4216720988		6866.22	

14. 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		2.000	5.660	1.500	0.000	0.000	16.980	-
ii		2.000	4.600	1.500	0.000	0.000	13.800	-

Total Quantity		30.78 Sqm (Sqm)		30.78 Sqm (Square Meter)				
Amount		30.78 X 253.188334998		7793.14				
15. Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside.								
20mm thick cement Plaster in CM (1:6) for 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	6.340	0.500	0.000	0.000	6.340	-
ii		2.000	5.280	0.500	0.000	0.000	5.280	-
Total Quantity		11.62 Sqm (Sqm)		11.62 Sqm (Square Meter)				
Amount		11.62 X 266.328839402		3094.74				
16. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips								
2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (new work)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	6.420	5.360	0.000	0.000	34.411	-
Total Quantity		34.4112 Sqm (Sqm)		34.4112 Sqm (Square Meter)				
Amount		34.4112 X 364.5682262788		12545.23				
17. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory								
Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm 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 materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	20.520	1.000	0.000	0.000	20.520	-
Total Quantity		20.52 Sqm (Sqm)		20.52 Sqm (Square Meter)				

Amount					20.52 X 1020.8701845294	20948.26		
18. Flooring (AR0816) : 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 floor								
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 floor , 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 ceramic 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		1.000	5.660	4.600	0.000	0.000	26.036	-
Total Quantity					26.036 Sqm (Sqm)		26.036 Sqm (Square Meter)	
Amount					26.036 X 1201.3735000492	31278.96		
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		8.000	2.000	1.200	25.000	0.000	480.000	-
ii		1.000	1.200	2.100	25.000	0.000	63.000	-
Total Quantity					543 Kg (Kilo Gram)		5.43 Qntl (Quintal)	
Amount					5.43 X 16013.822921087	86955.06		
20. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)								
Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes 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		0.500	8.000	2.000	1.200	0.000	9.600	-
ii		0.500	1.000	1.200	2.100	0.000	1.260	-
Total Quantity					10.86 Sqm (Sqm)		10.86 Sqm (Square Meter)	

Amount						10.86 X 164.22751833952	1783.51	
21. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer								
Finishing wall surface two coats with weather coat with one coat oilbound 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		1.000	50.320	0.000	0.000	0.000	50.320	-
Total Quantity					50.32 Sqm (Sqm)		50.32 Sqm (Square Meter)	
Amount						50.32 X 156.88520431851	7894.46	
22. 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		1.000	36.300	0.000	0.000	0.000	36.300	-
Total Quantity					36.3 Sqm (Sqm)		36.3 Sqm (Square Meter)	
Amount						36.3 X 94.775145275	3440.34	
Total Amount							515908.27	
Addition								
Provision for survey investigation and quality control (+) @								
Display Citizen Board (+) @							5000.00	
Provision for Contingency (+) @							5500.00	
Provision for EI Work (+) @							14000.00	
Provision for PH Work (+) @								
Any Other Lumpsum (+) @							9591.00	

Total Addition	34091.00
Grand Net Total Amount	549999.27

P Santosh Kumar Patro
JE
Koraput Block

PHAKIR MOHAN PRADHAN
AEE
Koraput Block

Dr. DEBASIS GOUDA
BDO
Koraput Block