

Detailed Estimate

OD/362/3458/119568/408485/00105402 : Construction of Balunkeswar Community Centre at Pandiripadar
Block : Banapur, Gram Panchayat : Galua
Created By: PRASANTA KUMAR SAHOO

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	4.000	1.200	1.200	1.200	0.000	6.912	-
ii	C/C Foun	1.000	15.800	0.900	0.750	0.000	10.665	-
iii	Column	4.000	1.200	0.600	0.750	0.000	-	2.160
Total Quantity						15.417 cum (cum)	15.417 Cum (Cubic Meter)	
Amount						15.417 X 240.77592	3712.04	
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	4.000	1.200	0.200	0.150	0.000	0.144	-
ii	Found	1.000	15.800	0.900	0.100	0.000	1.422	-
iii	Plinth	1.000	3.600	3.700	0.300	0.000	3.996	-
iv	Column	2.000	1.200	0.900	0.100	0.000	-	0.216
Total Quantity						5.346 cum (cum)	5.346 Cum (Cubic Meter)	
Amount						5.346 X 1560.907732	8344.61	
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.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	Found	1.000	15.800	0.900	0.100	0.000	1.422	-
iii	Plinth	1.000	3.600	3.700	0.100	0.000	1.332	-
iv	Column	4.000	1.200	0.900	0.100	0.000	-	0.432
Total Quantity					3.186 cum (cum)		3.186 Cum (Cubic Meter)	
Amount					3.186 X 6432.6588415		20494.45	

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	Col Base	4.000	1.200	1.200	0.300	0.000	1.728	-
ii	Pedestal	4.000	0.600	0.600	0.300	0.000	0.432	-
iii	Col S/S	4.000	0.300	0.250	3.500	0.000	1.050	-
iv	Plinth	1.000	15.800	0.250	0.250	0.000	0.988	-
v	Beam	1.000	15.800	0.250	0.250	0.000	0.988	-
vi	Roof slab	1.000	5.000	5.000	0.125	0.000	3.125	-
Total Quantity					8.31 cum (cum)		8.31 Cum (Cubic Meter)	
Amount					8.31 X 6564.368264695		54549.90	

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	HYSD Bar	1.000	0.000	0.000	0.000	8.500	8.500	-

Total Quantity							8.5 Qntl (Quintal)	8.5 Qntl (Quintal)
Amount							8.5 X 8656.9325535	73583.93
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pedestral	4.000	2.000	0.300	3.500	0.000	8.400	-
ii	Plinth	1.000	2.000	15.800	0.250	0.000	7.900	-
Total Quantity							16.3 Sqm (Sqm)	16.3 Sqm (Square Meter)
Amount							16.3 X 216.23489289764	3524.63
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col S/S	4.000	2.000	0.300	3.500	0.000	8.400	-
ii	S/S	4.000	2.000	0.250	3.500	0.000	7.000	-
iii	Beam	1.000	1.000	15.800	0.750	0.000	11.850	-
Total Quantity							27.25 Sqm (Sqm)	27.25 Sqm (Square Meter)
Amount							27.25 X 1047.3822930467	28541.17
8. 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	Slab	1.000	5.000	5.000	0.000	0.000	25.000	-

Total Quantity		25 Sqm (Sqm)	25 Sqm (Square Meter)
Amount		25 X 662.689943368	16567.25

9. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Over slab	1.000	5.000	5.000	0.000	0.000	25.000	-
Total Quantity		25 Sqm (Sqm)		25 Sqm (Square Meter)				
Amount		25 X 284.66366816		7116.59				

10. 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	Over old slab	1.000	6.000	4.500	0.000	0.000	27.000	-
Total Quantity		27 Sqm (Sqm)		27 Sqm (Square Meter)				
Amount		27 X 371.63253101		10034.08				

11. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Celling	1.000	3.600	3.700	0.000	0.000	13.320	-
ii	Beam	1.000	15.800	0.750	0.000	0.000	11.850	-
iii	Column	4.000	2.000	0.300	2.900	0.000	6.960	-
iv	Column	4.000	2.000	0.250	2.900	0.000	5.800	-
Total Quantity		37.93 Sqm (Sqm)		37.93 Sqm (Square Meter)				

Amount						37.93 X 195.19097188	7403.59	
12. Flooring (AR0816g) : Fixing Granite Tiles Above 0.10 Sqm Above 0.40 sqm. (20mm thick) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1								
Fixing Granite Tiles Above 0.10 Sqm Above 0.40 sqm. (20mm thick) 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 Granite 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	Floor	1.000	4.200	3.800	0.000	0.000	15.960	-
Total Quantity						15.96 Sqm (Sqm)		15.96 Sqm (Square Meter)
Amount						15.96 X 3144.532198766		50186.73
13. Painting (AR0918hk) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance).								
Finishing wall with two coats weather coat paint of approved shade including one coat of water 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)(For repair and maintenance).								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Qty as 6mm Plaster	0.000	0.000	0.000	0.000	37.930	37.930	-
Total Quantity						37.93 Sqm (Sqm)		37.93 Sqm (Square Meter)
Amount						37.93 X 162.46484352492		6162.29
Total Amount (A) : 290221.27								
Additional Components								
#	Item Name					Remark	Amount (in Rs.)	
1	Provision for EI Work @ Rs.3778					-	3778	
2	Provision for Contingency @ Rs.3000					-	3000	
3	Display Citizen Board @ Rs.3000					-	3000	
Additional Components Amount (F) : 9778								

Grand Total Amount (A + F) : 299999.26698313

PRASANTA KUMAR SAHOO
JE
Banapur Block

SURESH MALIK
AEE
Banapur Block

Sri Bikash Kumar Mohanty
BDO
Banapur Block