

Detailed Estimate

OD/347/3312/116375/380630/00075520 : Construction of CC building near mahadev temple
Block : Bargarh, Gram Panchayat : Chakarkend
Created By:P T SUKANTI RAJ

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	2.000	1.200	1.200	1.200	0.000	3.456	-
ii	L/W	2.000	4.500	0.600	0.600	0.000	3.240	-
iii	S/W	2.000	4.500	0.600	0.600	0.000	3.240	-
iv	column	4.000	1.200	0.600	0.600	0.000	-	1.728
Total Quantity					8.208 cum (cum)		8.208 Cum (Cubic Meter)	
Amount					8.208 X 240.77592		1976.29	
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	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	L/W	2.000	4.500	0.600	0.150	0.000	0.810	-
iii	S/W	2.000	4.500	0.600	0.150	0.000	0.810	-
iv	column	4.000	1.200	0.600	0.150	0.000	-	0.432
v	r filling	1.000	4.500	4.000	0.300	0.000	5.400	-
Total Quantity					7.452 cum (cum)		7.452 Cum (Cubic Meter)	

Amount					7.452 X 603.700432	4498.78		
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	L/W	2.000	4.500	0.600	0.150	0.000	0.810	-
iii	S/W	2.000	4.500	0.600	0.150	0.000	0.810	-
iv	column	4.000	1.200	0.600	0.150	0.000	-	0.432
v	r flooring	1.000	4.500	4.000	0.100	0.000	1.800	-
Total Quantity					3.852 cum (cum)		3.852 Cum (Cubic Meter)	
Amount					3.852 X 5468.66570096		21065.30	
4. 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	column	4.000	1.200	1.200	0.300	0.000	1.728	-
ii	column	4.000	0.600	0.600	0.300	0.000	0.432	-
iii	column	4.000	0.250	0.250	0.600	0.000	0.150	-
Total Quantity					2.31 cum (cum)		2.31 Cum (Cubic Meter)	
Amount					2.31 X 6115.9477062517		14127.84	
5. 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	L/W	2.000	4.500	0.250	0.250	0.000	0.563	-
ii	S/W	2.000	4.500	0.250	0.250	0.000	0.563	-
Total Quantity					1.125 cum (cum)		1.125 Cum (Cubic Meter)	
Amount					1.125 X 6872.9756639394		7732.10	

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	w beam	2.000	4.500	0.250	0.200	0.000	0.450	-
ii	w beam	2.000	4.500	0.250	0.200	0.000	0.450	-
iii	column	4.000	0.250	0.250	3.000	0.000	0.750	-
Total Quantity					1.65 cum (cum)		1.65 Cum (Cubic Meter)	
Amount					1.65 X 14175.290938066		23389.23	

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	L/W	2.000	4.500	0.250	0.150	0.000	0.338	-

ii	S/W	2.000	4.500	0.250	0.150	0.000	0.338	-
Total Quantity					0.675 cum (cum)		0.675 Cum (Cubic Meter)	
Amount					0.675 X 12785.589849624		8630.27	
8. 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	slab	1.000	4.800	4.800	0.125	0.000	2.880	-
ii	f chajja	1.000	4.500	0.450	0.075	0.000	0.152	-
iii	win	2.000	1.500	0.450	0.075	0.000	0.101	-
Total Quantity					3.133125 cum (cum)		3.133125 Cum (Cubic Meter)	
Amount					3.133125 X 12423.343773029		38923.89	
9. 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	5.800	0.000	0.000	0.000	0.000	5.800	-
Total Quantity					5.8 Qntl (Quintal)		5.8 Qntl (Quintal)	
Amount					5.8 X 8652.7130361		50185.74	
10. 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/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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	2.000	4.500	0.400	0.600	0.000	2.160	-
ii	S/W	2.000	4.500	0.400	0.600	0.000	2.160	-
Total Quantity					4.32 cum (cum)		4.32 Cum (Cubic Meter)	
Amount					4.32 X 5069.652269728		21900.90	

11. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	2.000	4.500	0.250	3.000	0.000	6.750	-
ii	S/W	2.000	4.500	0.250	3.000	0.000	6.750	-
iii	door	1.000	1.200	0.250	2.100	0.000	-	0.630
iv	win	2.000	1.200	0.250	1.100	0.000	-	0.660
Total Quantity					12.21 cum (cum)		12.21 Cum (Cubic Meter)	
Amount					12.21 X 5102.982269728		62307.41	

12. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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	L/W	2.000	4.500	0.000	3.350	0.000	30.150	-

ii	S/W	2.000	4.500	0.000	3.350	0.000	30.150	-	
iii	door	1.000	1.200	0.000	2.100	0.000	-	2.520	
iv	win	2.000	1.200	0.000	1.100	0.000	-	2.640	
Total Quantity					55.14 Sqm (Sqm)		55.14 Sqm (Square Meter)		
Amount					55.14 X 170.7462043992		9414.95		

13. 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	L/W	2.000	4.000	0.000	3.250	0.000	26.000	-	
ii	S/W	2.000	4.500	0.000	3.250	0.000	29.250	-	
iii	door	1.000	1.200	0.000	2.100	0.000	-	2.520	
iv	win	2.000	1.200	0.000	1.100	0.000	-	2.640	
Total Quantity					50.09 Sqm (Sqm)		50.09 Sqm (Square Meter)		
Amount					50.09 X 245.180149432		12281.07		

14. 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	1.000	0.000	0.000	0.000	0.000	1.000	-	
Total Quantity					1 Qntl (Quintal)		1 Qntl (Quintal)		
Amount					1 X 15984.842789087		15984.84		
Total Amount							292418.60		
Addition									

Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	2581.39
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	7581.39
Grand Net Total Amount	299999.99

P T SUKANTI RAJ
JE
Bargarh Block

SANTOSH KUMAR BEHERA
AEE
Bargarh Block

BERCIUS DUNGUNG
BDO
Bargarh Block