

Detailed Estimate

OD/347/3312/116377/380634/00016498 : Improvement/Completion Of Shiba Kalyan Mandap At Ruhunia
Block : Bargarh, Gram Panchayat : Dhanger
Created By: SAHEB PRADHAN

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	3.000	0.900	0.900	0.900	1.000	2.187	-
ii	Wall	2.000	9.000	0.600	0.600	1.000	6.480	-
iii	wall	2.000	4.700	0.600	0.600	1.000	3.384	-
Total Quantity					12.051 cum (cum)		12.051 Cum (Cubic Meter)	
Amount					12.051 X 240.77592		2901.59	
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 base	3.000	0.900	0.900	0.150	1.000	0.365	-
ii	Wall base	2.000	9.000	0.600	0.150	1.000	1.620	-
iii	Wall base	2.000	4.700	0.600	0.150	1.000	0.846	-
iv	Room inside	1.000	8.750	4.450	0.450	1.000	17.522	-
v	Approach front	1.000	4.200	4.000	0.150	1.000	2.520	-
Total Quantity					22.872375 cum (cum)		22.872375 Cum (Cubic Meter)	

Amount				22.872375 X 630.000832			14409.62	
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 base	3.000	0.900	0.900	0.150	1.000	0.365	-
ii	Wall	2.000	9.000	0.600	0.150	1.000	1.620	-
iii	Wall	2.000	4.700	0.600	0.150	1.000	0.846	-
iv	Approach	1.000	4.200	4.000	0.150	1.000	2.520	-
v	Inside room	1.000	8.750	4.450	0.100	1.000	3.894	-
Total Quantity					9.24425 cum (cum)		9.24425 Cum (Cubic Meter)	
Amount				9.24425 X 5351.98853752			49475.12	
4. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	2.000	9.000	0.000	1.500	1.000	27.000	-
Total Quantity					27 Sqm (Sqm)		27 Sqm (Square Meter)	
Amount				27 X 170.1060998504			4592.86	
5. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	Wall	2.000	9.000	0.000	1.800	1.000	32.400	-
Total Quantity					32.4 Sqm (Sqm)		32.4 Sqm (Square Meter)	
Amount					32.4 X 244.410867984		7918.91	
6. 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/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	Wall	2.000	9.000	0.375	0.750	1.000	5.063	-
ii	Wall	2.000	4.700	0.375	0.750	1.000	2.644	-
Total Quantity					7.70625 cum (cum)		7.70625 Cum (Cubic Meter)	
Amount					7.70625 X 5032.580584136		38782.32	
7. 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 base	3.000	0.600	0.600	0.300	1.000	0.324	-
ii	Column	3.000	0.450	0.450	0.450	1.000	0.273	-
iii	Column above GL	3.000	0.250	0.250	1.500	1.000	0.281	-
Total Quantity					0.878625 cum (cum)		0.878625 Cum (Cubic Meter)	
Amount					0.878625 X 5967.8832445625		5243.53	

8. 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	Long wall	2.000	9.000	0.250	0.250	1.000	1.125	-
ii	short wall	2.000	4.700	0.250	0.250	1.000	0.588	-
Total Quantity					1.7125 cum (cum)		1.7125 Cum (Cubic Meter)	
Amount					1.7125 X 6725.2574908906		11517.00	

9. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Approach	1.000	4.200	4.000	0.100	1.000	1.680	-
Total Quantity					1.68 cum (cum)		1.68 Cum (Cubic Meter)	
Amount					1.68 X 6940.63467924		11660.27	

10. Iron Work (AR1701) : Labour for hoisting joints, trusses and placing in position

Labour for hoisting joints, trusses and placing in position with all cost of labour and machinery 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	Roof truss	1.000	8.000	0.000	0.000	0.000	8.000	-
Total Quantity					8 Qntl (Quintal)		8 Qntl (Quintal)	
Amount					8 X 1174.1051181102		9392.84	

11. Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks

Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery 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	Roof truss	1.000	8.000	0.000	0.000	1.000	8.000	-
Total Quantity					8 Qntl (Quintal)		8 Qntl (Quintal)	
Amount					8 X 13719.967958252		109759.74	

12. Roofing (AR1132i) : Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties

Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Shed	1.000	9.600	5.300	0.000	1.150	58.512	-
Total Quantity					58.512 Sqm (Sqm)		58.512 Sqm (Square Meter)	
Amount					58.512 X 537.51755491832		31451.23	

13. Painting (AR0901bi) : Priming one coat in outer surface with primer of approved quality over iron work

Priming one coat in outer surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Iron work	1.000	10.000	1.000	0.000	1.000	10.000	-
Total Quantity					10 Sqm (Sqm)		10 Sqm (Square Meter)	
Amount					10 X 66.11897407151		661.19	

14. Painting (AR0901c) : Priming one coat with inner surface primer of approved quality oil-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner surface primer of approved quality oil-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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall outer	1.000	9.000	0.000	1.800	1.000	16.200	-

ii	wall inner	1.000	9.000	0.000	1.500	1.000	13.500	-
iii	existing wall	1.000	9.000	0.000	3.300	1.000	29.700	-
Total Quantity					59.4 Sqm (Sqm)		59.4 Sqm (Square Meter)	
Amount					59.4 X 68.99284786751		4098.18	
15. Painting (AR0918f) : First Floor								
Finishing wall with two coat weather coat paint of approved shade 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	9.000	0.000	1.500	1.000	13.500	-
ii	Wall	1.000	9.000	0.000	1.800	1.000	16.200	-
iii	wall existing	1.000	9.000	0.000	3.300	1.000	29.700	-
Total Quantity					59.4 Sqm (Sqm)		59.4 Sqm (Square Meter)	
Amount					59.4 X 91.03530465		5407.50	
16. Flooring (AR0816d) : Fixing Kota Tiles of minimum 16 mm thick Above 0.10 Sqm in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1								
Fixing Kota Tiles of minimum 16 mm thick Above 0.10 Sqm 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 kota 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	9.500	4.500	0.000	1.000	42.750	-
Total Quantity					42.75 Sqm (Sqm)		42.75 Sqm (Square Meter)	
Amount					42.75 X 1253.0917516866		53569.67	
17. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	9.000	0.230	1.500	0.000	6.210	-
Total Quantity					6.21 cum (cum)		6.21 Cum (Cubic Meter)	
Amount					6.21 X 5065.910584136		31459.30	

18. 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		2.400	0.000	0.000	0.000	0.000	2.400	-
Total Quantity					2.4 Qntl (Quintal)		2.4 Qntl (Quintal)	
Amount					2.4 X 8940.4576527		21457.10	

Total Amount **413757.98**

Addition

Provision for PH Work (+) @	
Provision for EI Work (+) @	17242.00
Provision for Contingency (+) @	3000.00
Display Citizen Board (+) @	1000.00
Any Other Lumpsum (+) @	65000.00
Provision for survey investigation and quality control (+) @	
Total Addition	86242.00
Grand Net Total Amount	499999.98

JE
Bargarh Block

SUNIL KUMAR PRUSTY
AEE
Bargarh Block

BERCIUS DUNGUNG
BDO
Bargarh Block