

Detailed Estimate

OD/362/3462/119642/408143/00070716 : Renovation of Kartikeswar Pooja Mandap at Hatabaradiha, Hatabaradiha GP.
Block : Chilika, Gram Panchayat : Hatabaradi
Created By: SANTOSH KUMAR BISWAL

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	4.000	1.200	1.200	1.200	0.000	6.912	-	
ii	LW	2.000	7.050	0.600	0.600	0.000	5.076	-	
iii	SW	2.000	2.850	0.600	0.600	0.000	2.052	-	
iv	VER WALL	1.000	7.500	0.600	0.600	0.000	2.700	-	
v	COL	4.000	1.200	0.600	0.600	0.000	-	1.728	
Total Quantity					15.012 cum (cum)		15.012 Cum (Cubic Meter)		
Amount					15.012 X 240.77592		3614.53		
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	0.100	0.000	0.576	-	
ii	LW	2.000	7.050	0.600	0.100	0.000	0.846	-	
iii	SW	2.000	2.850	0.600	0.100	0.000	0.342	-	
iv	VER WALL	1.000	7.500	0.600	0.100	0.000	0.450	-	
v	COLUMN	4.000	1.200	0.600	0.100	0.000	-	0.288	

Total Quantity	1.926 cum (cum)	1.926 Cum (Cubic Meter)
Amount	1.926 X 1214.477732	2339.08

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	0.100	0.000	0.576	-
ii	I/S HALL	1.000	5.600	3.750	0.100	0.000	2.100	-
iii	VER WALL	1.000	7.500	0.600	0.100	0.000	0.450	-
iv	I/S VER	1.000	5.600	0.750	0.100	0.000	0.420	-
v	LW	2.000	6.450	0.600	0.100	0.000	0.774	-
vi	SW	2.000	3.450	0.600	0.100	0.000	0.414	-
vii	COLUMN	4.000	1.200	0.250	0.100	0.000	-	0.120
Total Quantity					4.614 cum (cum)		4.614 Cum (Cubic Meter)	
Amount					4.614 X 6026.4049558		27805.83	

4. Masonry Stone Work (AR0717) : Laterite stone masonry

Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	6.400	0.550	0.225	0.000	1.584	-
ii	LW	2.000	6.100	0.250	0.500	0.000	1.525	-
iii	SW	2.000	3.500	0.550	0.225	0.000	0.866	-
iv	SW	2.000	3.800	0.250	0.500	0.000	0.950	-
v	VER WALL	1.000	7.500	0.550	0.225	0.000	0.928	-

vi	VER WALL	1.000	7.500	0.250	0.500	0.000	0.938	-	
vii	COLUMN	4.000	0.250	0.250	0.730	0.000	-	0.183	
Total Quantity					6.608375 cum (cum)		6.608375 Cum (Cubic Meter)		
Amount					6.608375 X 5556.90819704		36722.13		

5. Masonry Stone Work (AR0717i) : Laterite stone masonry in cement mortar (1:6) in superstructure

Laterite stone masonry in cement mortar (1:6) in superstructure cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	LW	2.000	6.100	0.250	2.500	0.000	7.625	-	
ii	SW	2.000	3.800	0.250	2.500	0.000	4.750	-	
iii	COLUMN	4.000	0.250	0.250	2.500	0.000	-	0.625	
iv	DOOR	1.000	1.150	0.250	2.100	0.000	-	0.604	
v	WINDOW	1.000	1.000	0.250	1.100	0.000	-	0.275	
Total Quantity					10.87125 cum (cum)		10.87125 Cum (Cubic Meter)		
Amount					10.87125 X 5599.22719704		60870.60		

6. 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	0.200	0.000	1.152	-
ii	COLUMN	4.000	0.750	0.750	0.300	0.000	0.675	-

iii	COLUMN	4.000	0.250	0.250	0.850	0.000	0.213	-
Total Quantity					2.0395 cum (cum)		2.0395 Cum (Cubic Meter)	
Amount					2.0395 X 6512.7782317718		13282.81	
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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN	4.000	0.250	0.250	3.000	0.000	0.750	-
ii	ROOM BEAM	1.000	4.800	0.250	0.250	0.000	0.300	-
iii	W BEAM LW	2.000	6.100	0.250	0.150	0.000	0.458	-
iv	W BEAM SW	2.000	3.800	0.250	0.150	0.000	0.285	-
v	COLUMN	4.000	0.250	0.250	0.150	0.000	-	0.038
Total Quantity					1.755 cum (cum)		1.755 Cum (Cubic Meter)	
Amount					1.755 X 14570.893298973		25571.92	
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	PB LW	2.000	6.100	0.250	0.300	0.000	0.915	-
ii	PB SW	2.000	3.800	0.250	0.300	0.000	0.570	-
iii	COLUMN	4.000	0.250	0.250	0.300	0.000	-	0.075
Total Quantity					1.41 cum (cum)		1.41 Cum (Cubic Meter)	

Amount				1.41 X 7269.9316296254			10250.60	
9. 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	LW	2.000	6.100	0.250	0.150	0.000	0.458	-
ii	SW	2.000	3.800	0.250	0.150	0.000	0.285	-
iii	COLUMN	4.000	0.250	0.250	0.150	0.000	-	0.038
Total Quantity					0.705 cum (cum)		0.705 Cum (Cubic Meter)	
Amount				0.705 X 13180.484982392			9292.24	
10. 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	1.000	1.000	1.000	11.490	0.000	11.490	-
Total Quantity					11.49 Qntl (Quintal)		11.49 Qntl (Quintal)	
Amount				11.49 X 8432.962377			96894.74	
11. 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	OS LW	2.000	6.100	3.000	0.000	0.000	36.600	-
ii	OS SW	2.000	4.300	3.000	0.000	0.000	25.800	-

iii	DOOR	1.000	1.100	2.100	0.000	0.000	-	2.310	
iv	WINDOW	1.000	1.000	1.100	0.000	0.000	-	1.100	
Total Quantity					58.99 Sqm (Sqm)		58.99 Sqm (Square Meter)		
Amount					58.99 X 177.171428156		10451.34		

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	IS HALL	2.000	9.400	3.000	0.000	0.000	56.400	-	
ii	DOOR	1.000	1.100	2.100	0.000	0.000	-	2.310	
iii	WINDOW	1.000	1.000	1.100	0.000	0.000	-	1.100	
Total Quantity					52.99 Sqm (Sqm)		52.99 Sqm (Square Meter)		
Amount					52.99 X 252.88738146		13400.50		

13. 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	DOOR	1.000	1.100	2.100	28.000	0.000	64.680	-	
ii	WINDOW	1.000	1.000	1.100	28.000	0.000	30.800	-	
Total Quantity					95.48 Kg (Kilo Gram)		0.9548 Qntl (Quintal)		
Amount					0.9548 X 15775.556447087		15062.50		

14. 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	DOOR	1.000	1.100	2.100	2.250	0.000	5.198	-
ii	WINDOW	1.000	1.000	1.100	2.250	0.000	2.475	-
Total Quantity					7.6725 Sqm (Sqm)		7.6725 Sqm (Square Meter)	
Amount					7.6725 X 164.23222998952		1260.07	
15. 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	HALL	1.000	5.800	4.000	0.000	0.000	23.200	-
ii	VERANDAH	1.000	6.100	1.000	0.000	0.000	6.100	-
Total Quantity					29.3 Sqm (Sqm)		29.3 Sqm (Square Meter)	
Amount					29.3 X 1015.497439797		29754.07	
16. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer								
Finishing wall two coats with weather coat with one coat waterbound 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	OS & IS	1.000	1.000	1.000	146.860	0.000	146.860	-
Total Quantity					146.86 Sqm (Sqm)		146.86 Sqm (Square Meter)	
Amount					146.86 X 160.04137059016		23503.68	
Total Amount							380076.66	
Addition								
Provision for survey investigation and quality control (+) @								

Display Citizen Board (+) @	2000.00
Provision for Contingency (+) @	5818.00
Provision for EI Work (+) @	12105.34
Provision for PH Work (+) @	
Any Other Lumpsum (+) @	
Total Addition	19923.34
Grand Net Total Amount	400000.00

SANTOSH KUMAR BISWAL
JE
Chilika Block

MADHUSMITA TRPATHY
AEE
Chilika Block

Poonam Mahapatra
BDO
Chilika Block