

Detailed Estimate

OD/369/3539/120934/409426/00066878 : Renovation of Vivekananda Kotha Ghar boundary wall and its electrification
Block : Gop, Gram Panchayat : Bodapur
Created By: LOJISMITA MOHAPATRO

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	col	18.000	0.900	0.900	0.900	0.000	13.122	-
ii	Wall	9.000	2.600	0.600	0.600	0.000	8.424	-
iii	wall	7.000	26.000	0.600	0.600	0.000	65.520	-
Total Quantity						87.066 cum (cum)	87.066 Cum (Cubic Meter)	
Amount						87.066 X 240.77592	20963.40	
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	col	18.000	0.900	0.900	0.100	0.000	1.458	-
ii	Wall	9.000	2.600	0.600	0.100	0.000	1.404	-
iii	Wall	7.000	2.600	0.600	0.100	0.000	1.092	-
Total Quantity						3.954 cum (cum)	3.954 Cum (Cubic Meter)	
Amount						3.954 X 907.508432	3588.29	
3. Concrete (AR0304a) : Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal								

Cement concrete (1:4:8) with 4 cm. hard granite(Hand 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	col	18.000	0.900	0.900	0.100	0.000	1.458	-
Total Quantity					1.458 cum (cum)		1.458 Cum (Cubic Meter)	
Amount					1.458 X 5771.47349392		8414.81	

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	18.000	0.900	0.900	0.200	0.000	2.916	-
ii	Col footing	18.000	0.250	0.250	0.300	0.000	0.338	-
iii	Col(Upto GL)	18.000	0.250	0.250	0.200	0.000	0.225	-
iv	Col(upto Top	18.000	0.250	0.250	1.500	0.000	1.688	-
v	Plinth Beam	9.000	3.250	0.250	0.250	0.000	1.828	-
vi	Plinth	7.000	3.250	0.250	0.250	0.000	1.422	-
Total Quantity					8.416 cum (cum)		8.416 Cum (Cubic Meter)	
Amount					8.416 X 6562.5730728988		55230.61	

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
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i	steel	7.460	0.000	0.000	0.000	0.000	7.460	-
Total Quantity					7.46 Qntl (Quintal)		7.46 Qntl (Quintal)	
Amount					7.46 X 7957.328127		59361.67	
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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	18.000	4.000	0.250	0.300	0.000	5.400	-
ii	Col	18.000	4.000	0.250	0.200	0.000	3.600	-
iii	Plinth	9.000	2.000	3.250	0.250	0.000	14.625	-
iv	Plinth	7.000	2.000	3.250	0.250	0.000	11.375	-
Total Quantity					35 Sqm (Sqm)		35 Sqm (Square Meter)	
Amount					35 X 216.39264180804		7573.74	
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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	18.000	4.000	0.250	1.500	0.000	27.000	-
Total Quantity					27 Sqm (Sqm)		27 Sqm (Square Meter)	
Amount					27 X 1047.9038224181		28293.40	
8. 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	Walls	9.000	2.600	0.380	0.200	0.000	1.778	-
ii	wall	7.000	2.600	0.380	0.200	0.000	1.383	-
iii	Walls	9.000	2.600	0.225	0.300	0.000	1.580	-
iv	Walls	7.000	2.600	0.225	0.300	0.000	1.229	-
Total Quantity					5.9696 cum (cum)		5.9696 Cum (Cubic Meter)	
Amount					5.9696 X 5308.978886592		31692.48	

9. 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	Wall	9.000	3.250	0.225	1.500	0.000	9.872	-
ii	Wall	7.000	3.250	0.225	1.500	0.000	7.678	-
Total Quantity					17.55 cum (cum)		17.55 Cum (Cubic Meter)	
Amount					17.55 X 5342.308886592		93757.52	

10. 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	Wall	2.000	52.000	0.000	1.600	0.000	166.400	-
ii	Wall	1.000	52.000	0.250	0.000	0.000	13.000	-
Total Quantity					179.4 Sqm (Sqm)		179.4 Sqm (Square Meter)	

Amount		179.4 X 173.8859196488		31195.13				
11. Painting (AR0901ci) : Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface)								
Priming one coat with outer 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	2.000	56.000	0.000	1.750	0.000	196.000	-
ii	Wall	1.000	56.000	0.250	0.000	0.000	14.000	-
Total Quantity					210 Sqm (Sqm)		210 Sqm (Square Meter)	
Amount		210 X 68.99284786751		14488.50				
12. Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside)								
Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new 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	2.000	56.000	0.000	1.750	0.000	196.000	-
ii	Wall	1.000	56.000	0.250	0.000	0.000	14.000	-
Total Quantity					210 Sqm (Sqm)		210 Sqm (Square Meter)	
Amount		210 X 57.934081689634		12166.16				
Total Amount							366725.71	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3755.00	

Display Citizen Board (+) @	4982.68
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	8737.68
Grand Net Total Amount	375463.39

LOJISMITA MOHAPATRO
JE
Gop Block

ASHOK KUMAR PRUSTI
AEE
Gop Block

PuriGopBDO
BDO
Gop Block