

Detailed Estimate

OD/362/3458/119564/408417/00102757 : Construction of Boundary wall of Alekh Math at Sanasireipur
Block : Banapur, Gram Panchayat : Bheteswar
Created By:snigdharani jena

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	13.000	4.000	4.000	4.000	0.000	832.000	-
ii	Long Wall	1.000	127.700	2.500	2.000	0.000	638.500	-
iii	Column Portion	13.000	4.000	2.500	2.000	0.000	-	260.000
Total Quantity					1210.5 Cft (Cubic Foot)		34.2774864 Cum (Cubic Meter)	
Amount					34.2774864 X 240.77592		8253.19	
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	13.000	4.000	4.000	0.500	0.000	104.000	-
ii	Wall	1.000	127.700	2.500	0.330	0.000	105.353	-
iii	Column Portion	13.000	4.000	2.500	0.330	0.000	-	42.900
Total Quantity					166.4525 Cft (Cubic Foot)		4.713402152 Cum (Cubic Meter)	
Amount					4.713402152 X 1533.890232		7229.84	
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	13.000	4.000	4.000	0.330	0.000	68.640	-
ii	Long Wall	1.000	127.700	2.500	0.330	0.000	105.353	-
iii	Column Portion	13.000	4.000	2.500	0.330	0.000	42.900	-
Total Quantity					216.8925 Cft (Cubic Foot)		6.141701544 Cum (Cubic Meter)	
Amount					6.141701544 X 6357.1512415		39043.73	

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	Laterite	1.000	127.700	1.830	0.660	0.000	154.236	-
ii		1.000	127.700	1.000	0.660	0.000	84.282	-
Total Quantity					238.51806 Cft (Cubic Foot)		6.754068201408 Cum (Cubic Meter)	
Amount					6.754068201408 X 5820.3764698		39311.22	

5. 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	13.000	3.500	3.500	0.830	0.000	132.178	-
ii	Pedestral	13.000	1.500	1.500	1.500	0.000	43.875	-

Total Quantity	176.0525 Cft (Cubic Foot)	4.985243432 Cum (Cubic Meter)
Amount	4.985243432 X 6817.9322290415	33989.05

6. 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	Plinth Band	1.000	136.000	0.830	1.000	0.000	112.880	-
Total Quantity					112.88 Cft (Cubic Foot)		3.196400384 Cum (Cubic Meter)	
Amount					3.196400384 X 7574.7543541832		24211.95	

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	Up To Plinth	13.000	0.830	0.830	0.660	0.000	5.911	-
ii	Above Plinth	13.000	0.830	0.830	6.000	0.000	53.734	-
Total Quantity					59.644962 Cft (Cubic Foot)		1.6889544599616 Cum (Cubic Meter)	
Amount					1.6889544599616 X 14873.685616361		25120.98	

8. 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
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i		1.000	136.000	0.830	0.330	0.000	37.250	-
Total Quantity					37.2504 Cft (Cubic Foot)		1.05481212672 Cum (Cubic Meter)	
Amount					1.05481212672 X 13482.216457572		14221.21	

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	Base	13.000	8.000	4.500	0.305	0.620	88.441	-
ii		13.000	8.000	4.500	0.305	0.620	88.441	-
iii	Plinth 12 mm	1.000	5.000	136.000	0.305	0.890	184.465	-
iv	Ring 8 mm	1.000	273.000	3.330	0.305	0.395	109.451	-
v	Column 10 mm	13.000	6.000	11.500	0.305	0.620	169.511	-
vi	Ring 8 mm`	1.000	182.000	3.000	0.305	0.395	65.736	-
vii	Lintel 10mm	1.000	4.000	136.000	0.305	0.620	102.803	-
viii	Ring 8 mm	1.000	273.000	2.000	0.305	0.395	65.736	-
Total Quantity					874.58414364 Kg (Kilo Gram)		8.7458414364 Qntl (Quintal)	
Amount					8.7458414364 X 8656.9325535		75712.16	

10. 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/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		1.000	127.700	0.830	6.000	0.000	635.946	-

Total Quantity	635.946 Cft (Cubic Foot)	18.0079556928 Cum (Cubic Meter)
Amount	18.0079556928 X 5185.0244558	93371.69

11. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	136.000	6.830	0.000	0.000	928.880	-
ii	Plinth Wall	1.000	136.000	2.500	0.000	0.000	340.000	-
Total Quantity						1268.88 Sft (Square Foot)	117.88275864 Sqm (Square Meter)	
Amount						117.88275864 X 181.83364007	21435.05	

12. Painting (AR0918Ai) : Finishing wall one coat with weather coat

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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		0.000	0.000	0.000	0.000	1200.880	1200.880	-
Total Quantity						1200.88 Sft (Square Foot)	111.56535464 Sqm (Square Meter)	
Amount						111.56535464 X 56.9426286525	6352.82	

Total Amount (A) : 388252.89

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Display Citizen Board @ Rs.5000	-	5000
2	Any Other Lumpsum @ 1%	Cess	3882.5288850675

3	Provision for Contingency @ Rs.2800	-	2800
Additional Components Amount (F) : 11682.528885068			
Grand Total Amount (A + F) : 399935.41739182			

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Banapur Block

SURESH MALIK
AEE
Banapur Block

Sri Bikash Kumar Mohanty
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