

Detailed Estimate

OD/362/3458/119564/408441/00102758 : Construction of Protection wall and CC Road from Village Thakurani Mandir to RD Road at Borigaon
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	Road	1.000	48.000	10.000	1.000	0.000	480.000	-
ii	protection Wall	1.000	130.000	2.500	3.000	0.000	975.000	-
iii	Column	10.000	4.000	4.000	4.000	0.000	640.000	-
iv	Deduction	10.000	4.000	2.500	3.000	0.000	-	300.000
Total Quantity						1795 Cft (Cubic Foot)	50.828656 Cum (Cubic Meter)	
Amount						50.828656 X 240.77592	12238.32	
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	Road	1.000	48.000	10.000	0.330	0.000	158.400	-
ii	protection Wall	1.000	130.000	2.500	0.330	0.000	107.250	-
iii	Column	10.000	4.000	4.000	0.500	0.000	80.000	-
iv	Deduction	10.000	4.000	2.500	0.330	0.000	-	33.000
Total Quantity						312.65 Cft (Cubic Foot)	8.85324752 Cum (Cubic Meter)	

Amount						8.85324752 X 1560.907732	13819.10	
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	Road	1.000	48.000	10.000	0.330	0.000	158.400	-
ii	Protection Wall	1.000	130.000	2.500	0.330	0.000	107.250	-
iii		1.000	130.000	0.830	3.500	0.000	377.650	-
iv		1.000	130.000	0.830	3.500	0.000	377.650	-
v	Column	10.000	4.000	4.000	0.500	0.000	80.000	-
vi	Deduction	10.000	4.000	2.500	0.330	0.000	-	33.000
Total Quantity					1067.95 Cft (Cubic Foot)		30.24092656 Cum (Cubic Meter)	
Amount						30.24092656 X 6633.3660415		200599.14
4. 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 specificaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	CC Road	1.000	48.000	10.000	0.160	0.000	76.800	-
Total Quantity					76.8 Cft (Cubic Foot)		2.17473024 Cum (Cubic Meter)	
Amount						2.17473024 X 8022.5829645		17446.95
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	Bottom Beam	1.000	130.000	0.830	2.000	0.000	215.800	-
ii	Middle beam	1.000	130.000	0.830	1.000	0.000	107.900	-
iii	Base	10.000	3.500	3.500	0.830	0.000	101.675	-
Total Quantity						425.375 Cft (Cubic Foot)	12.0452588 Cum (Cubic Meter)	
Amount						12.0452588 X 7076.8836040415	85242.89	

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	Top Beam	1.000	130.000	0.830	1.000	0.000	107.900	-
Total Quantity						107.9 Cft (Cubic Foot)	3.05538272 Cum (Cubic Meter)	
Amount						3.05538272 X 7833.7057291832	23934.97	

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	10.000	0.830	0.830	7.160	0.000	49.325	-
Total Quantity						49.32524 Cft (Cubic Foot)	1.396732956032 Cum (Cubic Meter)	

		Amount		1.396732956032 X 15132.636991361		21136.25		
8. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	1.000	160.000	4.500	0.305	0.620	136.063	-
ii	Bottom Beam	1.000	6.000	130.000	0.305	0.890	211.592	-
iii	Middle Beam	1.000	4.000	130.000	0.305	0.890	141.061	-
iv	Top Beam	1.000	4.000	130.000	0.305	0.890	141.061	-
v	Ring 8 mm	1.000	261.000	5.330	0.305	0.395	167.486	-
vi		1.000	261.000	3.330	0.305	0.395	104.640	-
vii		1.000	261.000	3.330	0.305	0.395	104.640	-
viii	Column 12 mm	10.000	6.000	12.000	0.305	0.890	195.316	-
ix	Ring 8mm	10.000	23.000	3.000	0.305	0.395	83.073	-
Total Quantity					1284.93287844 Kg (Kilo Gram)		12.8493287844 Qntl (Quintal)	
Amount					12.8493287844 X 8656.9325535		111235.77	

Total Amount (A) : 485653.40

Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Provision for Contingency @ Rs.4470	-	4470
2	Display Citizen Board @ Rs.5000	-	5000
3	Any Other Lumpsum @ 1%	Cess	4856.5339706892

Additional Components Amount (F) : 14326.533970689

Grand Total Amount (A + F) : 499979.9310396

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**SURESH MALIK
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