

Detailed Estimate

**OD/350/3337/116956/399968/00071207 : IMPROVEMENT OF ROAD FROM PRASANTA MOHANTY MILK SHOP TO
JITENDRA BARIK HOUSE, NANPUR , BODHAPUR G.P
Block : Cuttacksadar, Gram Panchayat : Bodhapur
Created By:SAMAPEEKA NAYAK**

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	earthwork excavation	1.000	150.000	3.000	3.000	0.000	1350.000	-
ii	Cutoff	1.000	30.000	0.750	0.750	0.000	16.875	-
Total Quantity					1366.875 Cft (Cubic Foot)		38.705526 Cum (Cubic Meter)	
Amount					38.705526 X 240.77592		9319.36	
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	gaurd wall	1.000	150.000	3.000	0.500	0.000	225.000	-
ii	Cut off wall	1.000	30.000	0.750	0.160	0.000	3.600	-
iii	road	1.000	30.000	9.250	0.330	0.000	91.575	-
Total Quantity					320.175 Cft (Cubic Foot)		9.06633144 Cum (Cubic Meter)	
Amount					9.06633144 X 588.227232		5333.06	
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	gaurd wall	1.000	150.000	3.000	0.500	0.000	225.000	-
ii	cut off	1.000	30.000	0.750	0.750	0.000	16.875	-
iii	road	1.000	30.000	9.250	0.330	0.000	91.575	-
Total Quantity					333.45 Cft (Cubic Foot)		9.44223696 Cum (Cubic Meter)	
Amount					9.44223696 X 6060.21693386		57222.00	

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	road	1.000	30.000	10.000	0.290	0.000	87.000	-
Total Quantity					87 Cft (Cubic Foot)		2.4635616 Cum (Cubic Meter)	
Amount					2.4635616 X 7524.48725582		18537.04	

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
i	1	1.000	7.000	0.000	0.000	0.000	7.000	-
Total Quantity					7 Qntl (Quintal)		7 Qntl (Quintal)	
Amount					7 X 8540.9537283		59786.68	

6. 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	gaurd wall	1.000	150.000	2.500	1.000	0.000	375.000	-
ii	gaurd wall	1.000	150.000	1.750	5.000	0.000	1312.500	-
Total Quantity					1687.5 Cft (Cubic Foot)		47.7846 Cum (Cubic Meter)	
Amount					47.7846 X 6215.5805850522		297009.03	

7. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	cut off wall	2.000	30.000	0.000	0.750	0.000	45.000	-
ii	road	1.000	30.000	0.000	0.290	0.000	8.700	-
iii	gaurd wall	2.000	150.000	0.000	1.000	0.000	300.000	-
iv	gaurd wall	2.000	150.000	0.000	5.000	0.000	1500.000	-
Total Quantity					1853.7 Sft (Square Foot)		172.2142911 Sqm (Square Meter)	
Amount					172.2142911 X 216.23489289764		37238.74	

8. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	guard wall	1.000	130.000	0.000	4.000	0.000	520.000	-
Total Quantity					520 Sft (Square Foot)		48.30956 Sqm (Square Meter)	
Amount					48.30956 X 187.6357219048		9064.60	
Total Amount							493510.51	
Addition								
Provision for Contingency (+) @							5000.00	
Display Citizen Board (+) @							1417.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							6417.00	
Grand Net Total Amount							499927.51	

SAMAPEEKA NAYAK
JE
Cuttacksadar Block

SUBHASMITA NATH
AEE
Cuttacksadar Block

PRATIK SAHOO
BDO
Cuttacksadar Block