

## Detailed Estimate

**OD/365/3491/120129/390500/00074431 : Construction of CC road from RD road to Ramkud bindhani house at Benagadia**

**Block : Betnoti, Gram Panchayat : Sathilo**

**Created By: BHAGYA LAXSHMI DAS**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	cut off	2.000	50.000	0.225	0.200	1.000	4.500	-
ii	drain	1.000	15.000	1.200	0.900	1.000	16.200	-
iii	Cut off	2.000	10.000	0.225	0.200	0.000	0.900	-
Total Quantity					21.6 cum (cum)		21.6 Cum (Cubic Meter)	
Amount					21.6 X 240.77592		5200.76	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	Cut off	2.000	50.000	0.225	0.100	1.000	2.250	-
ii	base	1.000	10.000	2.600	0.100	1.000	2.600	-
iii	drain base	1.000	15.000	1.200	0.150	1.000	2.700	-
iv	Cut off	2.000	10.000	0.225	0.100	1.000	0.450	-
v	base	1.000	10.000	2.200	0.100	1.000	2.200	-
Total Quantity					10.2 cum (cum)		10.2 Cum (Cubic Meter)	
Amount					10.2 X 1428.234132		14567.99	

**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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	cut off	2.000	50.000	0.225	0.200	1.000	4.500	-
ii	Cut off	2.000	10.000	0.225	0.200	1.000	0.900	-
iii	base	1.000	50.000	3.050	0.100	1.000	15.250	-
iv	base	1.000	10.000	2.700	0.100	1.000	2.700	-
v	drain base	1.000	15.000	1.200	0.100	1.000	1.800	-
vi	wall	2.000	15.000	0.250	0.600	1.000	4.500	-
Total Quantity					29.65 cum (cum)		29.65 Cum (Cubic Meter)	
Amount					29.65 X 6571.9833723		194859.31	

**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 specifaion and direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	base	1.000	50.000	3.050	0.075	1.000	11.438	-
ii	base	1.000	10.000	2.700	0.075	1.000	2.025	-
iii	drain wall	1.000	15.000	1.200	0.075	1.000	1.350	-
iv	Wall top	2.000	15.000	0.250	0.050	1.000	0.375	-
Total Quantity					15.1875 cum (cum)		15.1875 Cum (Cubic Meter)	
Amount					15.1875 X 8068.6119571		122542.04	

**5. 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	drain wall	2.000	15.000	0.000	0.600	1.000	18.000	-
Total Quantity					18 Sqm (Sqm)		18 Sqm (Square Meter)	
Amount					18 X 197.006983594		3546.13	

**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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	base	1.000	60.000	0.000	0.175	1.000	10.500	-
ii	wall	2.000	15.000	0.000	0.600	0.000	18.000	-
Total Quantity					28.5 Sqm (Sqm)		28.5 Sqm (Square Meter)	
Amount					28.5 X 216.23489289764		6162.69	

**7. 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	slab	0.500	0.000	0.000	0.000	1.000	0.500	-
Total Quantity					0.5 Qntl (Quintal)		0.5 Qntl (Quintal)	
Amount					0.5 X 8409.9650204		4204.98	

**8. 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	slab	1.000	3.600	1.200	0.150	1.000	0.648	-
Total Quantity					0.648 cum (cum)		0.648 Cum (Cubic Meter)	
<b>Amount</b>					<b>0.648 X 6788.785032491</b>		<b>4399.13</b>	
<b>9. R.C.C. Work (AR0410b) : Fourth Floor</b>								
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. stairs excluding landing but including railing details for 5 Sqm								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	3.600	1.200	0.000	1.000	4.320	-
ii	wall	2.000	3.600	0.250	0.000	1.000	-	1.800
Total Quantity					2.52 Sqm (Sqm)		2.52 Sqm (Square Meter)	
<b>Amount</b>					<b>2.52 X 1904.2640139926</b>		<b>4798.75</b>	
<b>Total Amount</b>							<b>360281.78</b>	
<b>Addition</b>								
Provision for Contingency (+) @							3602.82	
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @							1115.00	
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>9717.82</b>	
<b>Grand Net Total Amount</b>							<b>369999.60</b>	

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