

## Detailed Estimate

OD/366/3517/120497/427967/00016376 : Const. of Culvert From Majhiguda to Masanipaada Road  
Block : Nabarangpur, Gram Panchayat : Sindhigam  
Created By: S K MURSHID

<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	bed	0.000	4.500	2.500	1.500	0.000	16.875	-
ii	wall	4.000	1.000	0.500	1.500	0.000	3.000	-
Total Quantity					19.875 cum (cum)		19.875 Cum (Cubic Meter)	
<b>Amount</b>					<b>19.875 X 240.77592</b>		<b>4785.42</b>	
<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	bed	0.000	4.500	2.500	0.150	0.000	1.688	-
ii	wall	4.000	1.000	0.500	0.150	0.000	0.300	-
iii	road	1.000	21.000	3.200	0.100	0.000	6.720	-
Total Quantity					8.7075 cum (cum)		8.7075 Cum (Cubic Meter)	
<b>Amount</b>					<b>8.7075 X 515.507232</b>		<b>4488.78</b>	
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, rramming, 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	bed	0.000	4.500	2.500	0.150	0.000	1.688	-

ii	wall	4.000	1.000	0.500	0.150	0.000	0.300	-
iii	road	1.000	21.000	3.200	0.100	0.000	6.720	-
Total Quantity					8.7075 cum (cum)		8.7075 Cum (Cubic Meter)	
Amount					8.7075 X 5279.21385208		45968.75	

**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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	bed	1.000	4.500	2.500	0.100	0.000	1.125	-
ii	wall	4.000	1.000	0.500	1.500	0.000	3.000	-
iii	slab	1.000	4.500	2.500	0.150	0.000	1.688	-
iv	main wall	2.000	3.500	0.500	1.200	0.000	4.200	-
v	parapet	2.000	2.000	0.300	0.300	0.000	0.360	-
Total Quantity					10.3725 cum (cum)		10.3725 Cum (Cubic Meter)	
Amount					10.3725 X 5578.1579568616		57859.44	

**5. 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	wall	8.000	1.000	0.000	1.500	0.000	12.000	-
ii	main wall	4.000	3.500	0.000	1.200	0.000	16.800	-
iii	parapet	4.000	2.000	0.000	0.300	0.000	2.400	-
Total Quantity					31.2 Sqm (Sqm)		31.2 Sqm (Square Meter)	
Amount					31.2 X 216.39264180804		6751.45	

<b>6. R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas</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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	4.500	2.500	0.000	0.000	11.250	-
Total Quantity					11.25 Sqm (Sqm)		11.25 Sqm (Square Meter)	
<b>Amount</b>					<b>11.25 X 663.29946175911</b>		<b>7462.12</b>	
<b>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</b>								
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	steel	1.000	4.000	0.000	0.000	0.000	4.000	-
Total Quantity					4 Qntl (Quintal)		4 Qntl (Quintal)	
<b>Amount</b>					<b>4 X 10418.6245485</b>		<b>41674.50</b>	
<b>8. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>								
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	road	1.000	21.000	3.200	0.080	0.000	5.376	-
Total Quantity					5.376 cum (cum)		5.376 Cum (Cubic Meter)	
<b>Amount</b>					<b>5.376 X 6846.25691796</b>		<b>36805.48</b>	
<b>Total Amount</b>							<b>205795.94</b>	
<b>Addition</b>								
Provision for Contingency (+) @							1204.00	
Display Citizen Board (+) @							3000.00	

Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>4204.00</b>
<b>Grand Net Total Amount</b>	<b>209999,94</b>