

Detailed Estimate

**OD/345/3295/115992/421090/00064318 : CONSTRUCTION OF CULVERT AT NAGFENA TO SCHOOL ROAD OF
JHNKIDNGURI GP**

Block : Saintala, Gram Panchayat : Jhinkidunguri

Created By:Sumit Tirkey

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	WINGWALL	4.000	5.000	2.000	3.000	0.000	120.000	-
ii	ABUTMENT	2.000	20.000	2.000	3.000	0.000	240.000	-
iii	CLEARANCE	1.000	20.000	3.000	2.000	0.000	120.000	-
iv	CUTOFF	2.000	9.000	2.000	2.000	0.000	72.000	-
Total Quantity					552 Cft (Cubic Foot)		15.6308736 Cum (Cubic Meter)	
Amount					15.6308736 X 240.77592		3763.54	
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	WINGWALL	4.000	5.000	2.000	0.500	0.000	20.000	-
ii	ABUTMENT	2.000	20.000	2.000	0.500	0.000	40.000	-
iii	CLEARANCE	1.000	20.000	3.000	0.500	0.000	30.000	-
iv	CUTOFF	2.000	9.000	2.000	0.500	0.000	18.000	-
Total Quantity					108 Cft (Cubic Foot)		3.0582144 Cum (Cubic Meter)	

Amount						3.0582144 X 519.547232	1588.89	
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	WINGWALL	4.000	5.000	2.000	6.500	0.000	260.000	-
ii	ABUTMENT	2.000	20.000	2.000	6.500	0.000	520.000	-
iii	CLEARANCE	1.000	20.000	3.000	1.500	0.000	90.000	-
iv	CUTOFF	2.000	9.000	2.000	1.500	0.000	54.000	-
Total Quantity					924 Cft (Cubic Foot)		26.1647232 Cum (Cubic Meter)	
Amount					26.1647232 X 5164.76184186		135134.56	
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	CLEARANCE	1.000	20.000	3.000	0.250	0.000	15.000	-
Total Quantity					15 Cft (Cubic Foot)		0.424752 Cum (Cubic Meter)	
Amount					0.424752 X 6676.48034782		2835.85	
5. R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	SLAB	1.000	20.000	7.000	0.830	0.000	116.200	-
Total Quantity					116.2 Cft (Cubic Foot)		3.29041216 Cum (Cubic Meter)	
Amount					3.29041216 X 12019.890038902		39550.39	
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	WINGWALL	8.000	5.000	0.000	6.500	0.000	260.000	-
ii	ABUTMENT	4.000	20.000	0.000	6.500	0.000	520.000	-
iii	WINGWALL	8.000	0.000	2.000	6.500	0.000	104.000	-
iv	ABUTMENT	4.000	0.000	2.000	6.500	0.000	52.000	-
Total Quantity					936 Sft (Square Foot)		86.957208 Sqm (Square Meter)	
Amount					86.957208 X 216.39264180804		18816.90	
7. Bridge Works (AR2008) : Back filling behind abutment, wing wall and return wall using sandy material complete.								
Back filling behind abutment, wing wall and return wall using sandy material complete as per drawing and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	BACK FILLING	2.000	7.000	20.000	5.250	0.000	1470.000	-
Total Quantity					1470 Cft (Cubic Foot)		41.625696 Cum (Cubic Meter)	
Amount					41.625696 X 917.5330254		38192.95	
Total Amount							239883.08	

Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	2500.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	2500.00
Provision for survey investigation and quality control (+) @	116.91
Total Addition	10116.91
Grand Net Total Amount	249999.99

Sumit Tirkey
JE
Saintala Block

Santosh Behera
AEE
Saintala Block

PURUSOTTAM MIRDHA
BDO
Saintala Block