

Detailed Estimate

OD/359/3424/118902/417286/00065738 : Const. of Culvert over the road from Katingia to Baraguda
Block : Daringibadi, Gram Panchayat : Katingia
Created By: S MANOJ KUMAR PRUSTY

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	Culvert	1.000	4.000	3.800	0.600	0.000	9.120	-
ii	Wing wall	4.000	1.200	1.200	0.600	0.000	3.456	-
Total Quantity					12.576 cum (cum)		12.576 Cum (Cubic Meter)	
Amount					12.576 X 240.77592		3028.00	
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	Culvert	1.000	4.000	3.800	0.150	0.000	2.280	-
ii	Wingwall	4.000	1.200	1.200	0.150	0.000	0.864	-
Total Quantity					3.144 cum (cum)		3.144 Cum (Cubic Meter)	
Amount					3.144 X 1039.555832		3268.36	
3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	Culvert base	1.000	4.000	3.800	0.450	0.000	6.840	-
ii	Wing wall	4.000	1.200	1.200	0.450	0.000	2.592	-
iii	Abutment	2.000	4.000	0.800	1.050	0.000	6.720	-
iv	Wingwall	4.000	1.575	0.700	1.050	0.000	4.631	-
Total Quantity					20.7825 cum (cum)		20.7825 Cum (Cubic Meter)	
Amount					20.7825 X 5592.13037144		116218.45	

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	Abutment	2.000	4.000	0.600	0.150	0.000	0.720	-
ii	Inside	1.000	4.000	1.500	0.050	0.000	0.300	-
Total Quantity					1.02 cum (cum)		1.02 Cum (Cubic Meter)	
Amount					1.02 X 7695.06408128		7848.97	

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	Deck slab	1.000	4.000	3.700	0.200	0.000	2.960	-
Total Quantity					2.96 cum (cum)		2.96 Cum (Cubic Meter)	
Amount					2.96 X 12934.827147818		38287.09	

6. 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	Deck slab	1.000	2.950	0.000	0.000	0.000	2.950	-
Total Quantity					2.95 Qntl (Quintal)		2.95 Qntl (Quintal)	
Amount					2.95 X 9570.560727		28233.15	
Total Amount							196884.02	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2020.00	
Display Citizen Board (+) @							3133.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							5153.00	
Grand Net Total Amount							202037.02	

S MANOJ KUMAR PRUSTY
JE
Daringibadi Block

SANJAYA KUMAR RATH
AEE
Daringibadi Block

PRITI RANJAN RATH
BDO
Daringibadi Block