

Detailed Estimate

OD/365/3488/120075/387443/00067257 : Construction of Culvert near forest building at Rangamatia
Block : Bahalda, Gram Panchayat : Jashipur
Created By: PRAFULLA KUMAR BED

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	Base	1.000	15.000	7.000	2.500	0.000	262.500	-
ii	Body Wall	2.000	15.000	4.500	4.500	0.000	607.500	-
iii	U/S & D/S Cutoff	2.000	7.500	2.000	3.500	0.000	105.000	-
Total Quantity					975 Cft (Cubic Foot)		27.60888 Cum (Cubic Meter)	
Amount					27.60888 X 240.77592		6647.55	
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	Base	1.000	15.000	7.500	0.500	0.000	56.250	-
ii	Body Wall	2.000	15.000	4.500	0.500	0.000	67.500	-
iii	U/S & D/S Cutoff	2.000	7.500	2.000	0.500	0.000	15.000	-
Total Quantity					138.75 Cft (Cubic Foot)		3.928956 Cum (Cubic Meter)	
Amount					3.928956 X 701.135132		2754.73	
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	Base	1.000	15.000	7.500	0.500	0.000	56.250	-
ii	Body Wall	2.000	16.500	3.500	3.000	0.000	346.500	-
iii		2.000	16.500	2.790	3.500	0.000	322.245	-
iv	Cut Off	2.000	8.000	2.000	1.500	0.000	48.000	-
Total Quantity					772.995 Cft (Cubic Foot)		21.888744816 Cum (Cubic Meter)	
Amount					21.888744816 X 5621.9633838		123057.72	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	1.000	16.500	8.000	0.250	0.000	33.000	-
ii	Parapit Wall Top	2.000	10.000	1.500	0.250	0.000	7.500	-
Total Quantity					40.5 Cft (Cubic Foot)		1.1468304 Cum (Cubic Meter)	
Amount					1.1468304 X 7197.4789276		8254.29	

5. R.C.C. Work (AR0401) : R.C.C work

'Reinforced cement concrete (1:2:4) work with 12mm 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. (To be used for minor repair work only)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Cap	2.000	16.500	1.500	0.500	0.000	24.750	-

ii	Slab	1.000	14.500	11.000	0.750	0.000	119.625	-
Total Quantity					144.375 Cft (Cubic Foot)		4.088238 Cum (Cubic Meter)	
Amount					4.088238 X 7197.4789276		29425.01	
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	MS Rod	1.850	0.000	0.000	0.000	0.000	1.850	-
Total Quantity					1.85 Qntl (Quintal)		1.85 Qntl (Quintal)	
Amount					1.85 X 8428.8790379		15593.43	
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	F/P-Base	2.000	4.000	0.750	0.000	0.000	6.000	-
ii	Body Wall	4.000	15.500	6.500	0.000	0.000	403.000	-
iii	Cut Off	4.000	5.160	1.500	0.000	0.000	30.960	-
Total Quantity					439.96 Sft (Square Foot)		40.87360388 Sqm (Square Meter)	
Amount					40.87360388 X 216.23489289764		8838.30	
8. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside								
12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Parapit Wall	4.000	8.330	2.000	0.000	0.000	66.640	-
ii		4.000	1.250	2.000	0.000	0.000	10.000	-
iii		2.000	8.330	1.250	0.000	0.000	20.825	-
Total Quantity					97.465 Sft (Square Foot)		9.054790895 Sqm (Square Meter)	
Amount					9.054790895 X 172.692698296		1563.70	
Total Amount							196134.72	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							1365.00	
Display Citizen Board (+) @							2500.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							3865.00	
Grand Net Total Amount							199999.72	

PRAFULLA KUMAR BED
JE
Bahalda Block

MADAN MOHAN NAIK
AEE
Bahalda Block

MayurbhanjBahaldaBDO
BDO
Bahalda Block