

Detailed Estimate

OD/353/3361/117523/414235/00071003 : Const of culvert at Betersing to panasasahi in Convergence with MGNREGA
Block : Nuagada, Gram Panchayat : Betarsingi
Created By:Prasant kumar mallick

1. Earth Work (AR0103aa) : Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m								
Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Leveling	1.000	6.000	6.000	0.450	0.000	16.200	-
ii	Abutment	2.000	4.500	1.200	1.200	0.000	12.960	-
iii	bed	1.000	5.200	1.200	0.450	0.000	2.808	-
iv	Wingwall	4.000	1.200	1.200	1.200	0.000	6.912	-
v	Cutoff us	1.000	1.200	0.300	0.450	0.000	0.162	-
vi	Cutoff DS	1.000	1.200	0.300	0.900	0.000	0.324	-
Total Quantity					39.366 cum (cum)		39.366 Cum (Cubic Meter)	
Amount					39.366 X 375.4984464		14781.87	
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	Abutment	2.000	4.500	1.200	0.150	0.000	1.620	-
ii	Bed	1.000	4.200	1.200	0.150	0.000	0.756	-
iii	Wingwall	4.000	1.200	1.200	0.150	0.000	0.864	-
iv	Cutoff us	1.000	1.200	0.300	0.150	0.000	0.054	-

v	Cutoff Ds	1.000	1.200	0.300	0.150	0.000	0.054	-
Total Quantity					3.348 cum (cum)		3.348 Cum (Cubic Meter)	
Amount					3.348 X 1151.403232		3854.90	
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	Abutment	2.000	4.500	1.200	0.150	0.000	1.620	-
ii	Bed	1.000	4.200	1.200	0.300	0.000	1.512	-
iii	Wingwall	4.000	1.200	1.200	0.150	0.000	0.864	-
iv	Parafit wall	2.000	1.500	0.300	0.300	0.000	0.270	-
v	Cutoff US	1.000	1.200	0.300	0.300	0.000	0.108	-
vi	Cutoff DS	1.000	1.200	0.300	0.750	0.000	0.270	-
vii	Abetmant abeov GL	2.000	4.200	0.825	2.100	0.000	14.553	-
viii	Wingwall	4.000	1.200	0.825	2.450	0.000	9.702	-
Total Quantity					28.899 cum (cum)		28.899 Cum (Cubic Meter)	
Amount					28.899 X 6052.74711122		174918.34	
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	Bed	1.000	4.200	1.200	0.100	0.000	0.504	-
ii	Slab	1.000	4.200	4.550	0.100	0.000	1.911	-

iii	Parafit wall	2.000	1.500	0.300	0.050	0.000	0.045	-
iv	Wingwall top	4.000	1.200	0.450	0.075	0.000	0.162	-
Total Quantity					2.622 cum (cum)		2.622 Cum (Cubic Meter)	
Amount					2.622 X 7558.60852214		19818.67	
5. 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	Pier CAP	2.000	4.200	0.450	0.150	0.000	0.567	-
ii		2.000	4.200	0.300	0.380	0.000	0.958	-
iii	Deck Slab	1.000	4.200	2.100	0.230	0.000	2.029	-
Total Quantity					3.5532 cum (cum)		3.5532 Cum (Cubic Meter)	
Amount					3.5532 X 6287.6262774594		22341.19	
6. R.C.C. Work (AR0410k) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling upto 8M span								
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. Work in slab for culverts and Bridges upto 8M span)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	4.200	1.200	1.000	0.000	5.040	-
Total Quantity					5.04 Sqm (Sqm)		5.04 Sqm (Square Meter)	
Amount					5.04 X 795.95935411093		4011.64	
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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abetment	2.000	4.200	2.100	1.000	0.000	17.640	-
ii	Wingwall	4.000	1.200	2.450	1.000	0.000	11.760	-
Total Quantity					29.4 Sqm (Sqm)		29.4 Sqm (Square Meter)	
Amount					29.4 X 216.39264180804		6361.94	

8. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Piercap	2.000	4.200	12.000	1.000	0.890	89.712	-
ii		2.000	1.500	28.000	1.000	0.395	33.180	-
iii	Jali	2.000	5.500	14.000	1.000	0.620	95.480	-
iv		2.000	2.100	37.000	1.000	0.620	96.348	-
v	Deck slab	1.000	4.200	26.000	1.000	0.890	97.188	-
vi		1.000	2.100	42.000	1.000	1.580	139.356	-
Total Quantity					551.264 Kg (Kilo Gram)		5.51264 Qntl (Quintal)	
Amount					5.51264 X 8435.4021633		46501.34	
Total Amount							292589.89	
Addition								
Provision for PH Work (+) @								

Provision for EI Work (+) @	
Provision for Contingency (+) @	3000.00
Display Citizen Board (+) @	4300.00
Any Other Lumpsum (+) @	110.11
Provision for survey investigation and quality control (+) @	
Total Addition	7410.11
Grand Net Total Amount	300000.00

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JE
Nuagada Block

Pradiumna kumar dash
AEE
Nuagada Block

Loknath Sabar
BDO
Nuagada Block