

Detailed Estimate

OD/373/3583/121676/384577/00067203 : Construction of Cement Concrete Road from Jhala House to Surendra House at Balanda
Block : Lathikata, Gram Panchayat : Balanda
Created By: MADHUSMITA SAHU

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	cut off	2.000	83.500	0.300	0.200	0.000	10.020	-
ii	Bed	1.000	15.000	3.150	0.100	0.000	4.725	-
iii		1.000	11.800	3.250	0.100	0.000	3.835	-
iv		1.000	15.000	3.250	0.100	0.000	4.875	-
v		1.000	15.000	3.150	0.100	0.000	4.725	-
vi		1.000	15.000	3.100	0.100	0.000	4.650	-
vii		1.000	5.900	3.200	0.100	0.000	1.888	-
viii		1.000	5.800	3.350	0.100	0.000	1.943	-
ix	culvert	2.000	4.800	0.750	1.200	0.000	8.640	-
Total Quantity					45.301 cum (cum)		45.301 Cum (Cubic Meter)	
Amount					45.301 X 240.77592		10907.39	
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	cutoff	2.000	83.500	0.300	0.100	0.000	5.010	-

ii	Bed	1.000	15.000	3.150	0.100	0.000	4.725	-
iii		1.000	11.800	3.250	0.100	0.000	3.835	-
iv		1.000	15.000	3.250	0.100	0.000	4.875	-
v		1.000	15.000	3.150	0.100	0.000	4.725	-
vi		1.000	15.000	3.100	0.100	0.000	4.650	-
vii		1.000	5.900	3.200	0.100	0.000	1.888	-
viii		1.000	5.800	3.350	0.100	0.000	1.943	-
ix	culvert	2.000	6.300	0.750	0.100	0.000	0.945	-
Total Quantity					32.596 cum (cum)		32.596 Cum (Cubic Meter)	
Amount					32.596 X 581.258232		18946.69	

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	cutoff	2.000	83.500	0.300	0.100	0.000	5.010	-
ii	Bed	1.000	15.000	3.750	0.085	0.000	4.781	-
iii		1.000	11.800	3.850	0.090	0.000	4.089	-
iv		1.000	15.000	3.850	0.090	0.000	5.198	-
v		1.000	15.000	3.750	0.090	0.000	5.063	-
vi		1.000	15.000	3.700	0.090	0.000	4.995	-
vii		1.000	5.900	3.800	0.090	0.000	2.018	-
viii		1.000	5.800	3.950	0.090	0.000	2.062	-
ix	culvert	2.000	6.300	0.750	0.075	0.000	0.709	-

x	drain bed	1.000	4.800	1.200	0.100	0.000	0.576	-
Total Quantity					34.4994 cum (cum)		34.4994 Cum (Cubic Meter)	
Amount					34.4994 X 5295.63406242		182696.20	
4. 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	bed	2.000	83.500	0.000	0.200	0.000	33.400	-
Total Quantity					33.4 Sqm (Sqm)		33.4 Sqm (Square Meter)	
Amount					33.4 X 216.39264180804		7227.51	
5. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas								
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	4.800	0.000	1.200	0.000	5.760	-
Total Quantity					5.76 Sqm (Sqm)		5.76 Sqm (Square Meter)	
Amount					5.76 X 663.29946175911		3820.60	
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	slab	61.000	1.450	0.890	0.000	0.000	78.721	-

ii		20.000	4.750	0.890	0.000	0.000	84.550	-
iii	Abutment	62.000	3.400	0.890	0.000	0.000	187.612	-
iv		46.000	4.750	0.890	0.000	0.000	194.465	-
v	pier cap	62.000	1.650	0.890	0.000	0.000	91.047	-
vi		22.000	4.750	0.890	0.000	0.000	93.005	-
Total Quantity					729.3995 Kg (Kilo Gram)		7.293995 Qntl (Quintal)	
Amount					7.293995 X 8443.1183613		61584.06	

7. 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	culvert	2.000	6.300	0.600	1.200	0.000	9.072	-
ii	pier cap	2.000	4.800	0.900	0.150	0.000	1.296	-
iii	slab	1.000	4.800	1.500	0.375	0.000	2.700	-
Total Quantity					13.068 cum (cum)		13.068 Cum (Cubic Meter)	
Amount					13.068 X 5487.6807955634		71713.01	

8. 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	15.000	3.750	0.100	0.000	5.625	-
ii		1.000	11.800	3.850	0.100	0.000	4.543	-

iii		1.000	15.000	3.850	0.100	0.000	5.775	-
iv		1.000	15.000	3.750	0.100	0.000	5.625	-
v		1.000	15.000	3.700	0.100	0.000	5.550	-
vi		1.000	5.900	3.800	0.100	0.000	2.242	-
vii		1.000	5.800	3.950	0.100	0.000	2.291	-
Total Quantity					31.651 cum (cum)		31.651 Cum (Cubic Meter)	
Amount					31.651 X 6783.71151454		214711.25	
9. R.C.C. Work (AR0410f) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting								
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 in ground floor R.C.C. walls and fins including attached pilasters								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	culvert wall	2.000	12.300	1.200	0.000	0.000	29.520	-
ii	pier cap	2.000	4.800	0.300	0.000	0.000	2.880	-
Total Quantity					32.4 Sqm (Sqm)		32.4 Sqm (Square Meter)	
Amount					32.4 X 934.78613583205		30287.07	
Total Amount							601893.80	
Addition								
Provision for Contingency (+) @							6140.00	
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @							362.00	
Provision for survey investigation and quality control (+) @								
Total Addition							11502.00	
Grand Net Total Amount							613395.80	

MADHUSMITA SAHU
JE
Lathikata Block

LASA MARANDI
AEE
Lathikata Block

BDO LATHIKATA
BDO
Lathikata Block