

## Detailed Estimate

**OD/353/3357/117439/414727/00067261 : Construction of road at kasinpeta**  
**Block : Gosani, Gram Panchayat : Badakathuru**  
**Created By: SURENDRANATH MISHRA**

<b>1. Earth Work (AR0122Ai) : Earth work in all kinds of soil within 50m, initial lead and 1.5m, initial lift</b>								
Earth work in all kinds of soil 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 direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	65.000	3.000	0.150	0.000	29.250	-
ii	Guardwall	2.000	70.500	0.300	0.300	0.000	12.690	-
Total Quantity					41.94 cum (cum)		41.94 Cum (Cubic Meter)	
Amount					41.94 X 220.96043508		9267.08	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	Road	1.000	70.500	3.000	0.100	0.000	21.150	-
ii	Guardwall	2.000	70.500	0.300	0.100	0.000	4.230	-
Total Quantity					25.38 cum (cum)		25.38 Cum (Cubic Meter)	
Amount					25.38 X 1019.901232		25885.09	
<b>3. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC</b>								
Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction

i	Road	1.000	70.500	3.000	0.000	0.000	211.500	-
Total Quantity					211.5 Sqm (Sqm)		211.5 Sqm (Square Meter)	
Amount					211.5 X 636.981		134721.48	
<b>4. Road Work (AR1339) : Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1</b>								
Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete including cost conveyance, royalty, taxes, cess etc. of all materials, etc. as per Clause 401 of MoRT&H Specifications for Road & Bridge works (Last Revision).								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	1.000	70.500	3.000	0.100	0.000	21.150	-
Total Quantity					21.15 cum (cum)		21.15 Cum (Cubic Meter)	
Amount					21.15 X 1920.1589817333		40611.36	
<b>5. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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	Guard Wall	2.000	70.500	0.300	0.350	0.000	14.805	-
Total Quantity					14.805 cum (cum)		14.805 Cum (Cubic Meter)	
Amount					14.805 X 5877.13442172		87010.98	
<b>6. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b>								
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Joint	2.000	3.600	0.350	0.150	0.000	0.378	-

Total Quantity		0.378 cum (cum)		0.378 Cum (Cubic Meter)				
Amount		0.378 X 7400.47519564		2797.38				
<b>7. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>								
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	Guardwall	4.000	70.500	0.000	0.350	0.000	98.700	-
Total Quantity		98.7 Sqm (Sqm)		98.7 Sqm (Square Meter)				
Amount		98.7 X 217.02363744964		21420.23				
Total Amount		321713.61						
<b>Addition</b>								
Provision for Contingency (+) @		3217.14						
Display Citizen Board (+) @		5000.00						
Any Other Lumpsum (+) @		0.00						
Provision for survey investigation and quality control (+) @								
Total Addition		8217.14						
Grand Net Total Amount		329930.74						

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