

Detailed Estimate

OD/364/3484/120004/430216/00063753 : Improvement of Road at Sorishamal Ashram School

Block : Malkangiri, Gram Panchayat : Sindrimal

Created By:Er Nihar Ranjan Sarkar

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	Road	1.000	19.800	5.450	0.250	0.000	26.978	-
ii		1.000	10.800	4.000	0.250	0.000	10.800	-
iii		1.000	4.100	1.200	0.900	0.000	4.428	-
iv		2.000	10.800	0.300	0.300	0.000	1.944	-
v		2.000	19.800	0.300	0.300	0.000	3.564	-
vi		1.000	14.500	3.000	0.100	0.000	4.350	-
Total Quantity					52.0635 cum (cum)		52.0635 Cum (Cubic Meter)	
Amount					52.0635 X 240.77592		12535.64	
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	Road	1.000	19.800	5.450	0.420	0.000	45.322	-
ii		1.000	10.800	4.000	0.420	0.000	18.144	-
iii		2.000	19.800	0.300	0.100	0.000	1.188	-
iv		2.000	10.800	0.300	0.100	0.000	0.648	-

v		2.000	14.500	0.300	0.400	0.000	3.480	-
vi		2.000	14.500	2.400	0.100	0.000	6.960	-
Total Quantity					75.7422 cum (cum)		75.7422 Cum (Cubic Meter)	
Amount					75.7422 X 857.412432		64942.30	

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	Road	2.000	10.800	0.300	0.100	0.000	0.648	-
ii		2.000	19.800	0.300	0.100	0.000	1.188	-
iii		1.000	4.100	1.100	0.150	0.000	0.677	-
iv		2.000	4.100	0.350	0.650	0.000	1.866	-
v		2.000	3.000	2.700	0.100	0.000	1.620	-
vi		2.000	14.500	0.300	0.100	0.000	0.870	-
vii		2.000	5.700	3.700	0.100	0.000	4.218	-
Total Quantity					11.086 cum (cum)		11.086 Cum (Cubic Meter)	
Amount					11.086 X 5423.89366144		60129.29	

4. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Road	2.000	5.000	0.000	1.000	0.000	10.000	-
ii		2.000	10.800	0.000	0.300	0.000	6.480	-

iii		2.000	19.800	0.000	0.300	0.000	11.880	-
iv		2.000	4.000	0.000	0.600	0.000	4.800	-
Total Quantity					33.16 Sqm (Sqm)		33.16 Sqm (Square Meter)	
Amount					33.16 X 189.9856277392		6299.92	

5. 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	Road	2.000	10.800	0.250	0.400	0.000	2.160	-
ii		2.000	19.800	0.250	0.400	0.000	3.960	-
iii		1.000	4.000	0.650	0.100	0.000	0.260	-
iv		2.000	3.000	2.700	0.100	0.000	1.620	-
v		2.000	36.000	0.250	0.400	0.000	7.200	-
vi		2.000	5.700	3.700	0.100	0.000	4.218	-
Total Quantity					19.418 cum (cum)		19.418 Cum (Cubic Meter)	
Amount					19.418 X 6912.82009128		134233.14	

6. 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

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	19.800	5.450	0.000	0.000	107.910	-
ii		1.000	10.800	4.000	0.000	0.000	43.200	-

iii		1.000	10.500	3.000	0.000	0.000	31.500	-	
Total Quantity					182.61 Sqm (Sqm)		182.61 Sqm (Square Meter)		
Amount					182.61 X 632.1546		115437.75		
Total Amount							393578.04		
Addition									
Provision for Contingency (+) @							3935.78		
Display Citizen Board (+) @							2486.17		
Any Other Lumpsum (+) @									
Provision for survey investigation and quality control (+) @									
Total Addition							6421.95		
Grand Net Total Amount							399999.99		

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Er. ABHIJIT SETHI
AEE
Malkangiri Block

Tapan kumar senapati
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