

Detailed Estimate

OD/350/3337/116961/399948/00064472 : Construction of CC road Kosida Gadia Kothaga-I with Culvert ,Jasapada GP
Block : Cuttacksadar, Gram Panchayat : Jasapada
Created By:PRIYADARSHINI ROUT

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	Abutment	2.000	2.430	0.600	0.600	0.000	1.750	-
ii	Bed	1.000	3.050	3.050	0.300	0.000	2.791	-
iii	wingwall	4.000	1.820	0.600	0.450	0.000	1.966	-
Total Quantity					6.50595 cum (cum)		6.50595 Cum (Cubic Meter)	
Amount					6.50595 X 240.77592		1566.48	
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	Abutment	2.000	2.430	0.600	0.150	0.000	0.437	-
ii	Bed	1.000	3.050	3.050	0.150	0.000	1.395	-
iii	wingwall	4.000	1.820	0.600	0.150	0.000	0.655	-
Total Quantity					2.487975 cum (cum)		2.487975 Cum (Cubic Meter)	
Amount					2.487975 X 588.227232		1463.49	
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	2.430	0.750	1.060	0.000	3.864	-
ii	Bed	1.000	3.050	3.050	0.100	0.000	0.930	-
iii	wingwall	4.000	0.300	0.600	1.060	0.000	0.763	-
iv	wingwall	4.000	1.520	0.600	0.890	0.000	3.247	-
Total Quantity					8.80387 cum (cum)		8.80387 Cum (Cubic Meter)	
Amount					8.80387 X 6060.21693386		53353.36	

4. R.C.C. Work (AR0410d) : 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 R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Abutment	4.000	2.430	0.000	1.060	0.000	10.303	-
ii	wingwall	8.000	0.300	0.000	1.060	0.000	2.544	-
iii	wingwall	8.000	1.500	0.000	0.750	0.000	9.000	-
Total Quantity					21.8472 Sqm (Sqm)		21.8472 Sqm (Square Meter)	
Amount					21.8472 X 1047.3822930467		22882.37	

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	roof slab	2.000	3.050	0.000	0.250	0.000	1.525	-

ii	roof slab	2.000	2.430	0.000	0.250	0.000	1.215	-
iii	roof slab	1.000	3.350	0.000	2.430	0.000	8.141	-
Total Quantity					10.8805 Sqm (Sqm)		10.8805 Sqm (Square Meter)	
Amount					10.8805 X 662.689943368		7210.40	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	m.s rod	1.000	2.950	0.000	0.000	0.000	2.950	-
Total Quantity					2.95 Qntl (Quintal)		2.95 Qntl (Quintal)	
Amount					2.95 X 8766.8045955		25862.07	

7. 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	Bed	1.000	3.050	3.050	0.048	0.000	0.447	-
Total Quantity					0.44652 cum (cum)		0.44652 Cum (Cubic Meter)	
Amount					0.44652 X 7524.48725582		3359.83	

8. R.C.C. Work (AR0404B) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9).

R.C.C. work of M-20 grade with 20mm & downgrade 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(Nominal mix as per IS-456, Table-9).

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	roof slab	1.000	3.050	2.430	0.250	0.000	1.853	-
ii	Dirt wall	2.000	2.430	0.300	0.128	0.000	0.187	-
Total Quantity					2.039499 cum (cum)		2.039499 Cum (Cubic Meter)	
Amount					2.039499 X 6215.5805850522		12676.67	

9. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, 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	brickwall	2.000	3.050	0.250	0.450	0.000	0.686	-
Total Quantity					0.68625 cum (cum)		0.68625 Cum (Cubic Meter)	
Amount					0.68625 X 4930.276261248		3383.40	

10. Plastering (AR1026) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wingwall	8.000	1.520	0.850	0.000	0.000	10.336	-
Total Quantity					10.336 Sqm (Sqm)		10.336 Sqm (Square Meter)	
Amount					10.336 X 157.5640704414		1628.58	

11. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (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
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i	Brickwall	4.000	3.050	0.000	0.450	0.000	5.490	-
Total Quantity					5.49 Sqm (Sqm)		5.49 Sqm (Square Meter)	
Amount					5.49 X 241.145586262		1323.89	
Total Amount							134710.55	
Addition								
Provision for Contingency (+) @							1370.00	
Display Citizen Board (+) @							919.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							2289.00	
Grand Net Total Amount							136999.55	

PRIYADARSHINI ROUT
JE
Cuttacksadar Block

SUBHASMITA NATH
AEE
Cuttacksadar Block

PRATIK SAHOO
BDO
Cuttacksadar Block