

Detailed Estimate

OD/361/3452/119469/385959/00063983 : Renovation of Radhagobinda Temple at village Baneikala, Raikala GP
Block : Kendujhar Sadar, Gram Panchayat : Raikala
Created By:Ranjan Kumar Swain

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	11.000	4.000	4.000	4.000	0.000	704.000	-
ii	wall	2.000	32.000	2.000	2.000	0.000	256.000	-
iii	wall	2.000	22.830	2.000	2.000	0.000	182.640	-
iv	Ded Col	11.000	4.000	2.000	2.000	0.000	-	176.000
Total Quantity					966.64 Cft (Cubic Foot)		27.372151552 Cum (Cubic Meter)	
Amount					27.372151552 X 240.77592		6590.55	
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	Column	11.000	4.000	4.000	0.500	0.000	88.000	-
ii	wall	2.000	32.000	2.000	0.330	0.000	42.240	-
iii	wall	2.000	22.830	2.000	0.330	0.000	30.136	-
iv	Floor	1.000	21.340	31.160	1.000	0.000	664.954	-
v	Ded	1.000	11.000	11.000	1.000	0.000	-	121.000

vi	Ded	11.000	4.000	2.000	0.330	0.000	-	29.040
Total Quantity					675.29 Cft (Cubic Foot)		19.122051872 Cum (Cubic Meter)	
Amount					19.122051872 X 1238.929832		23690.88	
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	Column	11.000	4.000	4.000	0.500	0.000	88.000	-
ii	wall	2.000	32.000	2.000	0.330	0.000	42.240	-
iii	wall	2.000	22.830	2.000	0.330	0.000	30.136	-
iv	Floor	1.000	21.340	31.160	0.330	0.000	219.435	-
v	Ded	1.000	11.000	11.000	0.330	0.000	-	39.930
vi	Ded	11.000	0.830	0.830	0.330	0.000	-	2.501
Total Quantity					337.379845 Cft (Cubic Foot)		9.553517594896 Cum (Cubic Meter)	
Amount					9.553517594896 X 6334.24513032		60514.32	
4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm ² 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	32.000	1.250	3.000	0.000	240.000	-
ii	wall	2.000	22.830	1.250	3.000	0.000	171.225	-

iii	Ded col	11.000	0.830	0.830	3.000	0.000	-	22.734
Total Quantity					388.4913 Cft (Cubic Foot)		11.00083044384 Cum (Cubic Meter)	
Amount					11.00083044384 X 5323.359446776		58561.37	
5. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm ² 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	32.000	0.830	6.660	0.000	353.779	-
ii	wall	2.000	22.830	1.250	6.660	0.000	380.120	-
iii	Ded col	11.000	0.830	0.830	6.660	0.000	-	50.469
iv	D	1.000	4.000	0.830	7.000	0.000	-	23.240
v	w	6.000	7.250	0.830	3.500	0.000	-	126.368
vi	w	2.000	4.000	0.830	3.500	0.000	-	23.240
Total Quantity					510.582386 Cft (Cubic Foot)		14.458059307885 Cum (Cubic Meter)	
Amount					14.458059307885 X 5356.689446776		77447.33	
6. R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	11.000	4.000	4.000	1.000	0.000	176.000	-

ii	Column	11.000	2.000	2.000	0.660	0.000	29.040	-
Total Quantity					205.04 Cft (Cubic Foot)		5.806076672 Cum (Cubic Meter)	
Amount					5.806076672 X 6801.3786028929		39489.33	
7. R.C.C. Work (AR0404Ab) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	PI beam W	2.000	32.830	0.830	0.830	0.000	45.233	-
ii	sw	2.000	21.330	0.830	0.830	0.000	29.389	-
Total Quantity					74.621648 Cft (Cubic Foot)		2.1130462820864 Cum (Cubic Meter)	
Amount					2.1130462820864 X 7558.2007280346		15970.83	
8. R.C.C. Work (AR0404Ac) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	11.000	0.830	0.830	7.000	0.000	53.045	-
ii	Col upto PL	11.000	0.830	0.830	3.500	0.000	26.523	-
iii	BEAM	2.000	32.000	0.830	0.660	0.000	35.059	-
iv	sw	2.000	22.160	0.830	0.660	0.000	24.279	-
v	Sill	2.000	32.000	0.830	0.330	0.000	17.530	-
vi		2.000	22.160	0.830	0.330	0.000	12.139	-

vii	Temple front beam	3.000	12.000	0.830	0.500	0.000	14.940	-
Total Quantity					183.514494 Cft (Cubic Foot)		5.1965432236992 Cum (Cubic Meter)	
Amount					5.1965432236992 X 14857.131990213		77205.73	
9. R.C.C. Work (AR0404Ag) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof slab	1.000	35.250	25.500	0.410	0.000	368.539	-
ii	DEd Temp	1.000	11.000	11.000	0.410	0.000	-	49.610
iii	Phin	2.000	34.500	1.000	0.330	0.000	22.770	-
iv		1.000	25.500	1.000	0.330	0.000	8.415	-
Total Quantity					350.11375 Cft (Cubic Foot)		9.914101036 Cum (Cubic Meter)	
Amount					9.914101036 X 13103.263007283		129907.07	
10. 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	MS rod	1.000	23.010	0.000	1.000	0.000	23.010	-
Total Quantity					23.01 Qntl (Quintal)		23.01 Qntl (Quintal)	
Amount					23.01 X 9292.4948697		213820.31	
11. Dismantling (AR1624) : Dismantling and removing R.C.C. columns beams slab staircase landing lintels								

Dismantling and removing R.C.C. columns beams slab staircase landing lintels including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	beam	2.000	12.000	0.830	0.500	0.000	9.960	-
ii	beam	1.000	12.000	0.830	0.500	0.000	4.980	-
iii	slab	2.000	12.000	2.000	0.330	0.000	15.840	-
iv	slab	1.000	12.000	12.000	0.330	0.000	47.520	-
Total Quantity					78.3 Cft (Cubic Foot)		2.21720544 Cum (Cubic Meter)	
Amount					2.21720544 X 1475.61		3271.73	

12. 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
i	wall	2.000	31.160	0.000	7.500	0.000	467.400	-
ii	Wall sw	2.000	21.330	0.000	7.500	0.000	319.950	-
iii	Ded d	1.000	4.000	0.500	7.000	0.000	-	14.000
iv	w	6.000	7.250	0.500	3.500	0.000	-	76.125
v	w	2.000	4.000	0.500	3.500	0.000	-	14.000
Total Quantity					683.225 Sft (Square Foot)		63.473652175 Sqm (Square Meter)	
Amount					63.473652175 X 253.986350744		16121.44	

13. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plaster (1:6) over Brick work in outside 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
i	wall	2.000	32.830	0.000	7.500	0.000	492.450	-
ii	Wall sw	2.000	23.000	0.000	7.500	0.000	345.000	-
iii	Ded d	1.000	4.000	0.500	7.000	0.000	-	14.000
iv	w	6.000	7.250	0.500	3.500	0.000	-	76.125
v	w	2.000	4.000	0.500	3.500	0.000	-	14.000
vi	upto pl	2.000	32.830	0.000	2.500	0.000	164.150	-
vii		2.000	23.000	0.000	2.500	0.000	115.000	-
Total Quantity					1012.475 Sft (Square Foot)		94.061964925 Sqm (Square Meter)	
Amount					94.061964925 X 178.0867760464		16751.19	
14. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall sw	1.000	31.160	0.000	21.330	0.000	664.643	-
ii	Ded d	1.000	11.000	0.000	11.000	0.000	-	121.000
iii	balcony	2.000	35.000	0.000	4.000	0.000	280.000	-
iv	Projection	2.000	25.500	0.000	4.000	0.000	204.000	-
Total Quantity					1027.6428 Sft (Square Foot)		95.4710990484 Sqm (Square Meter)	
Amount					95.4710990484 X 193.4506911376		18468.95	
15. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory								

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Floor	1.000	31.160	0.000	21.330	0.000	664.643	-	
ii	Ded d	1.000	11.000	0.000	11.000	0.000	-	121.000	
iii	balcony	2.000	31.160	0.000	0.500	0.000	31.160	-	
iv	Projection	2.000	21.330	0.000	0.500	0.000	21.330	-	
v	Step	2.000	5.830	0.000	1.580	0.000	18.423	-	
Total Quantity					614.5556 Sft (Square Foot)		57.0940589068 Sqm (Square Meter)		
Amount					57.0940589068 X 1030.1371883222		58814.71		

16. Iron Work (AR1704) : Iron Doors and windows fixing

Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Door	1.000	4.000	0.000	7.000	2.500	70.000	-	
ii	W	6.000	7.250	0.000	3.500	2.750	418.688	-	
iii	w1	2.000	4.000	0.000	3.500	2.750	77.000	-	
Total Quantity					565.6875 Kg (Kilo Gram)		5.656875 Qntl (Quintal)		
Amount					5.656875 X 16594.158821087		93871.08		

17. Painting (AR0921) : Finishing wall One Coat with distemper of approved shades on old work (Inside)

Finishing wall One Coat with distemper of approved shades on old work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Inside wall	1.000	683.225	0.000	1.000	0.000	683.225	-
ii	6mm plaster	1.000	1027.640	0.000	1.000	0.000	1027.640	-
Total Quantity					1710.865 Sft (Square Foot)		158.944491095 Sqm (Square Meter)	
Amount					158.944491095 X 50.9370229802		8096.16	
18. Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)								
Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside wall	1.000	1012.470	0.000	1.000	0.000	1012.470	-
Total Quantity					1012.47 Sft (Square Foot)		94.06150041 Sqm (Square Meter)	
Amount					94.06150041 X 87.9257355875		8270.43	
Total Amount							926863.42	
Addition								
Provision for survey investigation and quality control (+) @								
Display Citizen Board (+) @							3000.00	
Provision for Contingency (+) @							9500.00	
Provision for EI Work (+) @							10636.56	
Provision for PH Work (+) @								
Any Other Lumpsum (+) @								
Total Addition							23136.56	
Grand Net Total Amount							949999.98	

Ranjan Kumar Swain
JE
Kendujhar Sadar Block

Sabyasachi Pradhan
AEE
Kendujhar Sadar Block

Binod Chandra Panda
BDO
Kendujhar Sadar Block