

## Detailed Estimate

**OD/344/3278/275378/404227/00067193 : Renov of Radhagovinda Temple at Ranigoda**

**Block : Banarpal, Gram Panchayat : Ranigodajungle**

**Created By:Mahesh Kumar samal**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>									
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	column	6.000	1.200	1.200	1.200	0.000	10.368	-	
ii	long wall	2.000	6.000	0.600	0.600	0.000	4.320	-	
iii	short wall	2.000	3.660	0.600	0.600	0.000	2.635	-	
iv	column	6.000	1.200	0.600	0.600	0.000	-	2.592	
<b>Total Quantity</b>					<b>14.7312 cum (cum)</b>		<b>14.7312 Cum (Cubic Meter)</b>		
<b>Amount</b>					<b>14.7312 X 240.77592</b>		<b>3546.92</b>		
<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	COLUMN	6.000	1.200	1.200	0.100	0.000	0.864	-	
ii	LONG WALL	2.000	6.000	0.600	0.100	0.000	0.720	-	
iii	SHORT WALL	2.000	3.660	0.600	0.100	0.000	0.439	-	
iv	INSIDE ROOM FILLING	1.000	5.500	3.160	0.300	0.000	5.214	-	
v	COLUMN	6.000	1.200	0.600	0.100	0.000	-	0.432	

Total Quantity					6.8052 cum (cum)	6.8052 Cum (Cubic Meter)		
Amount					6.8052 X 632.667232	4305.43		
<b>3. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN	6.000	1.200	1.200	0.100	0.000	0.864	-
ii	LONG WALL	2.000	6.000	0.600	0.100	0.000	0.720	-
iii	SHORT WALL	2.000	3.660	0.600	0.100	0.000	0.439	-
iv	FLOORING	1.000	5.500	3.160	0.100	0.000	1.738	-
v	COLUMN	6.000	1.200	0.600	0.100	0.000	-	0.432
Total Quantity					3.3292 cum (cum)	3.3292 Cum (Cubic Meter)		
Amount					3.3292 X 5732.37260238	19084.21		
<b>4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>								
Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm <sup>2</sup> 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	LONG WALL	2.000	6.000	0.250	0.800	0.000	2.400	-
ii	SHORT WALL	2.000	3.660	0.250	0.800	0.000	1.464	-
iii	COLUMN	6.000	0.250	0.250	0.800	0.000	-	0.300
Total Quantity					3.564 cum (cum)	3.564 Cum (Cubic Meter)		
Amount					3.564 X 5048.831185984	17994.03		

**5. 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/cm<sup>2</sup> with dimensional tolerance  $\pm 8$  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	LONG WALL	2.000	6.000	0.250	2.700	0.000	8.100	-
ii	SHORT WALL	2.000	3.660	0.250	2.700	0.000	4.941	-
iii	COLUMN	6.000	0.250	0.250	2.700	0.000	-	1.013
Total Quantity					12.0285 cum (cum)		12.0285 Cum (Cubic Meter)	
Amount					12.0285 X 5082.161185984		61130.78	

**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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column base	6.000	1.100	1.100	0.300	0.000	2.178	-
ii	column	6.000	0.250	0.250	1.200	0.000	0.450	-
Total Quantity					2.628 cum (cum)		2.628 Cum (Cubic Meter)	
Amount					2.628 X 6197.0706686391		16285.90	

**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	long wall	2.000	6.000	0.250	0.300	0.000	0.900	-
ii	short wall	3.000	3.660	0.250	0.300	0.000	0.824	-
Total Quantity					1.7235 cum (cum)		1.7235 Cum (Cubic Meter)	
Amount					1.7235 X 6953.8927937808		11985.03	

**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	6.000	0.250	0.250	2.800	0.000	1.050	-
ii	long wall	2.000	6.000	0.250	0.200	0.000	0.600	-
iii	short wall	3.000	3.660	0.250	0.200	0.000	0.549	-
Total Quantity					2.199 cum (cum)		2.199 Cum (Cubic Meter)	
Amount					2.199 X 14252.824055959		31341.96	

**9. R.C.C. Work (AR0404Ad) : 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 Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	6.000	0.250	0.150	0.000	0.450	-
ii	short wall	2.000	3.660	0.250	0.150	0.000	0.275	-
Total Quantity					0.7245 cum (cum)		0.7245 Cum (Cubic Meter)	

<b>Amount</b>						<b>0.7245 X 12861.35489717</b>	<b>9318.05</b>	
<b>10. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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	6.300	3.660	0.100	0.000	2.306	-
ii	window chajja	2.000	1.200	0.600	0.075	0.000	0.108	-
iii		0.000	0.000	0.000	0.000	0.000	1.000	-
<b>Total Quantity</b>						<b>3.4138 cum (cum)</b>	<b>3.4138 Cum (Cubic Meter)</b>	
<b>Amount</b>						<b>3.4138 X 12498.955073029</b>	<b>42668.93</b>	
<b>11. 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</b>								
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	REINFORCEMENT	9.000	0.000	0.000	0.000	0.000	9.000	-
<b>Total Quantity</b>						<b>9 Qntl (Quintal)</b>	<b>9 Qntl (Quintal)</b>	
<b>Amount</b>						<b>9 X 8634.3199362</b>	<b>77708.88</b>	
<b>12. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips</b>								
2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOF SLAB	1.000	6.300	3.660	0.000	0.000	23.058	-

Total Quantity	23.058 Sqm (Sqm)	23.058 Sqm (Square Meter)
Amount	23.058 X 353.0423081576	8140.45

### 13. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	LONG WALL	2.000	6.000	3.300	0.000	0.000	39.600	-
ii	SHORT WALL	2.000	3.660	3.300	0.000	0.000	24.156	-
iii	DOOR	1.000	2.100	1.200	0.000	0.000	-	2.520
iv	WINDOW	2.000	1.200	1.100	0.000	0.000	-	2.640
Total Quantity					58.596 Sqm (Sqm)		58.596 Sqm (Square Meter)	
Amount					58.596 X 172.2023646676		10090.37	

### 14. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	LONG WALL	2.000	5.500	2.900	0.000	0.000	31.900	-
ii	SHORT WALL	2.000	3.160	2.900	0.000	0.000	18.328	-
iii	DOOR	1.000	1.200	2.100	0.000	0.000	-	2.520
iv	WINDOW	2.000	1.200	1.100	0.000	0.000	-	2.640
Total Quantity					45.068 Sqm (Sqm)		45.068 Sqm (Square Meter)	

<b>Amount</b>					<b>45.068 X 246.923218946</b>	<b>11128.34</b>		
<b>15. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)</b>								
Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	FLOORING	1.000	5.500	3.160	0.000	0.000	17.380	-
Total Quantity					17.38 Sqm (Sqm)		17.38 Sqm (Square Meter)	
<b>Amount</b>					<b>17.38 X 1523.816556236</b>	<b>26483.93</b>		
<b>16. Iron Work (AR1704) : Iron Doors and windows fixing</b>								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	DOOR	1.000	1.200	0.000	2.100	40.000	100.800	-
ii	WINDOW	2.000	1.200	0.000	1.100	35.000	92.400	-
Total Quantity					193.2 Kg (Kilo Gram)		1.932 Qntl (Quintal)	
<b>Amount</b>					<b>1.932 X 15967.325551087</b>	<b>30848.87</b>		
<b>17. Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork</b>								
Priming one coat in outer surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	6.000	0.000	3.300	0.000	39.600	-
ii	short wall	2.000	3.660	0.000	3.300	0.000	24.156	-
iii	door	1.000	1.200	0.000	2.100	0.000	-	2.520

iv	window	2.000	1.200	0.000	1.100	0.000	-	2.640
Total Quantity					58.596 Sqm (Sqm)		58.596 Sqm (Square Meter)	
Amount					58.596 X 70.08544099121		4106.73	

**18. Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork**

Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	5.500	0.000	2.900	0.000	31.900	-
ii	short wall	2.000	3.160	0.000	2.900	0.000	18.328	-
iii	door	1.000	1.200	0.000	2.100	0.000	-	2.520
iv	window	2.000	1.200	0.000	1.100	0.000	-	2.640
Total Quantity					45.068 Sqm (Sqm)		45.068 Sqm (Square Meter)	
Amount					45.068 X 70.08544099121		3158.61	

**19. Painting (AR0918Ai) : Finishing wall one coat with weather coat**

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	long wall	2.000	6.000	0.000	3.300	0.000	39.600	-
ii	short wall	2.000	3.660	0.000	3.300	0.000	24.156	-
iii	door	1.000	1.200	0.000	2.100	0.000	-	2.520
iv	window	2.000	1.200	0.000	1.100	0.000	-	2.640
Total Quantity					58.596 Sqm (Sqm)		58.596 Sqm (Square Meter)	

<b>Amount</b>	<b>58.596 X 57.0910986525</b>	<b>3345.31</b>
<b>Total Amount</b>		<b>392672.74</b>
<b>Addition</b>		
Provision for survey investigation and quality control (+) @		
Display Citizen Board (+) @		5000.00
Provision for Contingency (+) @		2000.00
Provision for EI Work (+) @		
Provision for PH Work (+) @		
Any Other Lumpsum (+) @		327.00
<b>Total Addition</b>		<b>7327.00</b>
<b>Grand Net Total Amount</b>		<b>399999.74</b>

**Mahesh Kumar samal  
JE  
Banarpal Block**

**Biswamohan Patnaik  
AEE  
Banarpal Block**

**LOCHAN DAS  
BDO  
Banarpal Block**