

## Detailed Estimate

**OD/367/3527/120671/406310/00013788 : DEV OF RURALHAAT AT LATHIPADA**

**Block : Nayagarh, Gram Panchayat : Lathipada**

**Created By:Manoja Kumar Sethi**

<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	10.000	1.200	1.200	1.200	1.000	17.280	-
ii	LW	2.000	9.000	0.600	0.800	1.000	8.640	-
iii	SW	2.000	2.850	0.600	0.800	1.000	2.736	-
iv	steps	1.000	14.650	0.300	0.300	1.000	1.319	-
v	steps	2.000	0.600	0.300	0.300	1.000	0.108	-
<b>Total Quantity</b>					<b>30.0825 cum (cum)</b>		<b>30.0825 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>30.0825 X 240.77592</b>		<b>7243.14</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	10.000	1.200	1.200	0.150	1.000	2.160	-
ii	LW	2.000	9.000	0.600	0.150	1.000	1.620	-
iii	SW	2.000	2.850	0.600	0.150	1.000	0.513	-
iv	Inside Room	1.000	12.950	3.650	0.750	1.000	35.451	-
v	steps	1.000	14.650	0.300	0.150	1.000	0.659	-
vi	steps	2.000	0.600	0.300	0.150	1.000	0.054	-
vii	Front approach	1.000	25.400	3.050	0.100	1.000	7.747	-

Total Quantity	48.203875 cum (cum)	48.203875 Cum (Cubic Meter)
Amount	<b>48.203875 X 780.783732</b>	<b>37636.80</b>

### 3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal

Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	10.000	1.200	1.200	0.150	1.000	2.160	-
ii	LW	2.000	9.000	0.600	0.150	1.000	1.620	-
iii	SW	2.000	2.850	0.600	0.150	1.000	0.513	-
iv	Inside Room	1.000	12.950	3.650	0.150	1.000	7.090	-
v	steps	1.000	14.650	0.300	0.150	1.000	0.659	-
vi	Steps	2.000	0.600	0.300	0.150	1.000	0.054	-
vii	Front approach	1.000	25.400	3.050	0.100	1.000	7.747	-
Total Quantity					19.843375 cum (cum)		19.843375 Cum (Cubic Meter)	
Amount					<b>19.843375 X 5171.4398043</b>		<b>102618.82</b>	

### 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<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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW 1ST FOOTING	2.000	9.000	0.600	0.300	1.000	3.240	-
ii	LW 1ST FOOTING	4.000	2.850	0.600	0.300	1.000	2.052	-
iii	LW 2ND FOOTING	2.000	10.350	0.300	0.600	1.000	3.726	-
iv	SW 2ND FOOTING	4.000	3.300	0.300	0.600	1.000	2.376	-

v	LW 3RD FOOTING	2.000	11.400	0.250	0.900	1.000	5.130	-
vi	SW 3RD FOOTING	4.000	3.650	0.250	0.900	1.000	3.285	-
vii	Steps 1st	1.000	14.650	1.200	0.200	1.000	3.516	-
viii	Steps 2nd	1.000	14.650	0.900	0.200	1.000	2.637	-
ix	Steps 3rd	1.000	14.650	0.600	0.200	0.000	1.758	-
x	teps 4th	1.000	14.650	0.300	0.200	0.000	0.879	-
Total Quantity					28.599 cum (cum)		28.599 Cum (Cubic Meter)	
Amount					28.599 X 5033.95815384		143966.17	

**5. R.C.C. Work (AR0404Ba) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc)(Nominal mix as per IS-456, Table-9).**

Reinforced cement concrete 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. (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)(Nominal mix as per IS-456, Table-9).

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN BASE	10.000	1.200	1.200	0.300	1.000	4.320	-
ii	PEDESTEL	10.000	0.600	0.600	0.500	1.000	1.800	-
Total Quantity					6.12 cum (cum)		6.12 Cum (Cubic Meter)	
Amount					6.12 X 6003.5339553975		36741.63	

**6. R.C.C. Work (AR0404Bb) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Plinth band)(Nominal mix as per IS-456, Table-9).**

Reinforced cement concrete 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)(Nominal mix as per IS-456, Table-9)..

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth Beam LW	2.000	12.450	0.250	0.300	1.000	1.868	-

ii	Plinth Beam SW	2.000	3.650	0.250	0.300	1.000	0.548	-
Total Quantity					2.415 cum (cum)		2.415 Cum (Cubic Meter)	
Amount					2.415 X 6760.3560805392		16326.26	
<b>7. R.C.C. Work (AR0404Ac) : 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 Beams, Column, Girder & Bressmer etc)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	10.000	0.250	0.250	4.600	1.000	2.875	-
ii	Roof Beam LW	2.000	14.650	0.250	0.175	1.000	1.282	-
iii	Roof Beam LW	5.000	5.350	0.250	0.175	1.000	1.170	-
Total Quantity					5.3271875 cum (cum)		5.3271875 Cum (Cubic Meter)	
Amount					5.3271875 X 14059.287342717		74896.46	
<b>8. R.C.C. Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).</b>								
Reinforced cement concrete 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	14.650	5.350	0.125	1.000	9.797	-
Total Quantity					9.7971875 cum (cum)		9.7971875 Cum (Cubic Meter)	
Amount					9.7971875 X 12305.418359788		120558.49	
<b>9. 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.								

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	concrete quantity	1.000	23.600	1.000	0.000	1.000	23.600	-
Total Quantity					23.6 Qntl (Quintal)		23.6 Qntl (Quintal)	
<b>Amount</b>					<b>23.6 X 8929.3601565</b>		<b>210732.90</b>	
<b>10. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.</b>								
20mm thick cement Plaster in CM (1:4) over stone 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	Slab area	1.000	14.650	5.350	0.000	1.000	78.378	-
Total Quantity					78.3775 Sqm (Sqm)		78.3775 Sqm (Square Meter)	
<b>Amount</b>					<b>78.3775 X 273.326479568</b>		<b>21422.65</b>	
<b>11. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)</b>								
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	Ceiling	1.000	13.750	5.350	0.000	1.000	73.563	-
ii	Beam	6.000	4.850	0.250	0.000	1.000	7.275	-
iii	Column	5.000	1.000	3.050	0.000	1.000	15.250	-
Total Quantity					96.0875 Sqm (Sqm)		96.0875 Sqm (Square Meter)	
<b>Amount</b>					<b>96.0875 X 191.862628384</b>		<b>18435.60</b>	
<b>12. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)</b>								
Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces 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	6mm plaster quantity	1.000	115.537	1.000	0.000	1.000	115.537	-
ii	12mm plaster quantity	1.000	49.100	1.000	0.000	1.000	49.100	-
iii	16mm plaster quantity	1.000	61.762	1.000	0.000	1.000	61.762	-
Total Quantity					226.399 Sqm (Sqm)		226.399 Sqm (Square Meter)	
<b>Amount</b>					<b>226.399 X 71.83248932951</b>		<b>16262.80</b>	
<b>13. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)</b>								
Finishing wall two coats with plastic emulsion paint of approved shades on new 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	6mm plaster quantity	1.000	115.537	1.000	0.000	1.000	115.537	-
ii	16mm plaster quantity	1.000	61.762	1.000	0.000	1.000	61.762	-
Total Quantity					177.299 Sqm (Sqm)		177.299 Sqm (Square Meter)	
<b>Amount</b>					<b>177.299 X 94.7400035875</b>		<b>16797.31</b>	
<b>14. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
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 <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	LW	1.000	12.950	0.250	3.350	1.000	10.846	-
Total Quantity					10.845625 cum (cum)		10.845625 Cum (Cubic Meter)	
<b>Amount</b>					<b>10.845625 X 5067.28815384</b>		<b>54957.91</b>	
<b>15. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside</b>								
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	LW	1.000	13.450	3.650	0.000	1.000	49.093	-
Total Quantity					49.0925 Sqm (Sqm)		49.0925 Sqm (Square Meter)	
<b>Amount</b>					<b>49.0925 X 172.965007426</b>		<b>8491.28</b>	
<b>16. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b>								
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	LW	1.000	12.950	3.350	0.000	1.000	43.383	-
Total Quantity					43.3825 Sqm (Sqm)		43.3825 Sqm (Square Meter)	
<b>Amount</b>					<b>43.3825 X 247.84224461</b>		<b>10752.02</b>	
<b>17. Painting (AR0918Ai) : Finishing wall one coat with weather coat</b>								
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	12mm plaster quantity	1.000	49.100	1.000	0.000	1.000	49.100	-
Total Quantity					49.1 Sqm (Sqm)		49.1 Sqm (Square Meter)	
<b>Amount</b>					<b>49.1 X 57.0910986525</b>		<b>2803.17</b>	
<b>18. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory</b>								
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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	12.950	3.650	0.000	1.000	47.268	-
Total Quantity					47.2675 Sqm (Sqm)		47.2675 Sqm (Square Meter)	
<b>Amount</b>					<b>47.2675 X 1004.006656061</b>		<b>47456.88</b>	

**19. 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 specifaicaion and direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Front approach	1.000	25.400	3.050	0.050	1.000	3.874	-
Total Quantity					3.8735 cum (cum)		3.8735 Cum (Cubic Meter)	
<b>Amount</b>					<b>3.8735 X 6958.8341581</b>		<b>26955.04</b>	
<b>Total Amount</b>							<b>975055.34</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @							19944.66	
Provision for Contingency (+) @							0.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							2000.00	
<b>Total Addition</b>							<b>24944.66</b>	
<b>Grand Net Total Amount</b>							<b>1000000.00</b>	