

## Detailed Estimate

**OD/357/3406/118544/381253/00080816 : Construction of Bhagbat Tungi in Buchamunda Parmanpur GP**  
**Block : Kolabira, Gram Panchayat : Paramanpur**  
**Created By:NIHAR RANJAN NAIK**

<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	4.000	4.000	4.000	0.000	384.000	-
ii	WALL FOUNDATION	1.000	72.670	2.000	2.000	0.000	290.680	-
iii	Deduction For Column	6.000	4.000	2.000	2.000	0.000	96.000	-
<b>Total Quantity</b>					770.68 Cft (Cubic Foot)		21.823191424 Cum (Cubic Meter)	
<b>Amount</b>					<b>21.823191424 X 240.77592</b>		<b>5254.50</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	WALL FOUNDATION	1.000	72.670	2.000	0.330	0.000	47.962	-
ii	COLUMN	6.000	4.000	4.000	0.500	0.000	48.000	-
iii	INSIDE OF HALL	1.000	10.000	10.830	1.000	0.000	108.300	-
iv	INSIDE OF PUJA ROOM	1.000	8.000	10.000	1.000	0.000	80.000	-
v	DEDUCTION FOR COLUMN	6.000	4.000	2.000	0.330	0.000	-	15.840

Total Quantity	268.4222 Cft (Cubic Foot)	7.60085775296 Cum (Cubic Meter)
Amount	<b>7.60085775296 X 748.877832</b>	<b>5692.11</b>

### 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	6.000	4.000	4.000	0.500	0.000	48.000	-
ii	WALL FOUNDATION	1.000	72.670	2.000	0.330	0.000	47.962	-
iii	INSIDE OF PUJA ROOM	1.000	10.000	8.000	1.000	0.000	80.000	-
iv	INSIDE OF HALL	1.000	10.830	10.000	1.000	0.000	108.300	-

Total Quantity	284.2622 Cft (Cubic Foot)	8.04939586496 Cum (Cubic Meter)
Amount	<b>8.04939586496 X 5433.86697714</b>	<b>43739.35</b>

### 4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

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  $\pm 8$  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	WALL FOOTING	1.000	72.670	1.250	1.500	0.000	136.256	-
ii	Deduction For column	6.000	1.250	1.250	1.500	0.000	-	14.063

Total Quantity	122.19375 Cft (Cubic Foot)	3.46013598 Cum (Cubic Meter)
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Amount	3.46013598 X 4984.472285952	17246.95
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**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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	SUPERSTRUCTURE WALL	1.000	72.670	0.750	9.500	0.000	517.774	-
ii	DEDUCTION FOR COLUMN	6.000	0.750	0.750	9.500	0.000	-	32.063
iii	Deduction For opening	4.000	6.000	0.750	4.000	0.000	-	72.000
iv	Deduction For LINTLE	1.000	72.670	0.750	0.150	0.000	-	8.175
v	Deduction For Door-1	1.000	5.000	0.750	7.000	0.000	-	26.250
vi	Deduction For Door-2	1.000	3.000	0.750	7.000	0.000	-	15.750
vii	DEDUCTION FOR WINDOWS	2.000	3.000	0.750	4.000	0.000	-	18.000
Total Quantity					345.535875 Cft (Cubic Foot)		9.7844702652 Cum (Cubic Meter)	
Amount					9.7844702652 X 5017.802285952		49096.54	

**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 BASE	6.000	4.000	4.000	0.830	0.000	79.680	-

ii	HUNCHING	6.000	9.250	0.000	1.500	0.000	83.250	-
iii	Column up to plinth	6.000	1.250	1.250	1.500	0.000	14.063	-
Total Quantity					176.9925 Cft (Cubic Foot)		5.011861224 Cum (Cubic Meter)	
Amount					5.011861224 X 5910.8377761243		29624.30	

**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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	PLINTH BEND	1.000	72.670	0.750	0.750	0.000	40.877	-
Total Quantity					40.876875 Cft (Cubic Foot)		1.157502294 Cum (Cubic Meter)	
Amount					1.157502294 X 6667.659901266		7717.83	

**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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN	6.000	0.750	0.750	9.500	0.000	32.063	-
ii	WALL BEAM	1.000	72.670	0.750	0.500	0.000	27.251	-
iii	HANGING BEAM	1.000	10.000	0.750	0.750	0.000	5.625	-
Total Quantity					64.93875 Cft (Cubic Foot)		1.838857596 Cum (Cubic Meter)	

<b>Amount</b>						<b>1.838857596 X 13966.591163444</b>	<b>25682.57</b>	
<b>9. R.C.C. Work (AR0404Ad) : 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 Lintels)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	LINTEL BEND	1.000	72.670	0.750	0.500	0.000	27.251	-
Total Quantity					27.25125 Cft (Cubic Foot)		0.771668196 Cum (Cubic Meter)	
<b>Amount</b>						<b>0.771668196 X 12575.122004655</b>	<b>9703.82</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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOF SLAB	1.000	22.000	12.330	0.416	0.000	112.844	-
ii	CHHAJA	1.000	34.000	1.500	0.250	0.000	12.750	-
iii	WINDOW CHHAJA	2.000	3.000	1.500	0.250	0.000	2.250	-
Total Quantity					127.84416 Cft (Cubic Foot)		3.620137509888 Cum (Cubic Meter)	
<b>Amount</b>						<b>3.620137509888 X 12212.722180514</b>	<b>44211.73</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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	QNTY OF MS ROD	11.000	0.000	0.000	0.000	0.000	11.000	-
Total Quantity					11 Qntl (Quintal)		11 Qntl (Quintal)	
Amount					11 X 8419.8668988		92618.54	

**12. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside**

12mm thick cement plster (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	OUTER PLASTER	2.000	21.330	0.000	10.000	0.000	426.600	-
ii	OUTER PLASTER	2.000	11.670	0.000	10.000	0.000	233.400	-
iii	DEDUCTION FOR DOOR	1.000	5.000	0.000	7.000	0.000	-	35.000
iv	DEDUCTION FOR WINDOWS	2.000	3.000	0.000	3.000	0.000	-	18.000
v	DEDUCTION FOR GRILL	2.000	10.000	0.000	3.000	0.000	-	60.000
Total Quantity					547 Sft (Square Foot)		50.817941 Sqm (Square Meter)	
Amount					50.817941 X 168.7562664028		8575.85	

**13. 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
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i	CELLING PLASTER	1.000	10.000	0.000	8.000	0.000	80.000	-
ii	CELLING PLASTER	1.000	10.830	0.000	10.000	0.000	108.300	-
iii	CHHAJA	1.000	34.000	0.000	1.500	0.000	51.000	-
iv	WINDOWS CHHAJA	2.000	4.000	0.000	1.500	0.000	12.000	-
Total Quantity					251.3 Sft (Square Foot)		23.3465239 Sqm (Square Meter)	
Amount					23.3465239 X 187.7344868152		4382.95	

**14. 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)**

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	DADOS IN PUJA ROOM	2.000	10.000	0.330	0.000	0.000	6.600	-
ii	DADOS IN PUJA ROOM	2.000	8.000	0.330	0.000	0.000	5.280	-
iii	DADOS IN HALL	2.000	10.000	0.330	0.000	0.000	6.600	-
iv	DADOS IN HALL	2.000	10.830	0.330	0.000	0.000	7.148	-
Total Quantity					25.6278 Sft (Square Foot)		2.3808995034 Sqm (Square Meter)	
Amount					2.3808995034 X 1521.158785676		3621.73	

**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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	PUJA ROOM	1.000	10.000	8.000	0.000	0.000	80.000	-
ii	HALL	1.000	10.000	10.830	0.000	0.000	108.300	-
Total Quantity					188.3 Sft (Square Foot)		17.4936349 Sqm (Square Meter)	
Amount					17.4936349 X 1002.0666804214		17529.79	

#### 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	DOOR-1	1.000	5.000	0.000	7.000	3.000	105.000	-
ii	DOOR-2	1.000	3.000	0.000	7.000	3.000	63.000	-
iii	WINDOWS	2.000	3.000	0.000	4.000	4.000	96.000	-
iv	GRILL	2.000	10.000	0.000	4.000	4.000	320.000	-
Total Quantity					584 Kg (Kilo Gram)		5.84 Qntl (Quintal)	
Amount					5.84 X 15763.084563087		92056.41	

#### 17. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)

Finishing wall two coats with distemper 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	QNTY SAME AS 6MM & 16MM PLASTER	77.030	0.000	0.000	0.000	0.000	77.030	-
Total Quantity					77.03 Sqm (Sqm)		77.03 Sqm (Square Meter)	
Amount					77.03 X 78.8505283		6073.86	

**18. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)**

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	QNTY SAME AS 6MM, 12MM & 16MM	127.850	0.000	0.000	0.000	0.000	127.850	-
Total Quantity					127.85 Sqm (Sqm)		127.85 Sqm (Square Meter)	
Amount					127.85 X 71.83753306751		9184.43	

**19. 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	INSIDE PUJA ROOM	2.000	10.000	0.000	9.500	0.000	190.000	-
ii	INSIDE PUJA ROOM	2.000	8.000	0.000	9.500	0.000	152.000	-
iii	INSIDE HALL	2.000	10.000	0.000	9.500	0.000	190.000	-
iv	INSIDE HALL	2.000	10.830	0.000	9.500	0.000	205.770	-
v	DEDUCTION FOR DOOR-1	1.000	5.000	0.000	7.000	0.000	-	35.000
vi	DEDUCTION FOR DOOR-2	1.000	3.000	0.000	7.000	0.000	-	21.000
vii	DEDUCTION FOR GRILL	2.000	10.000	0.000	4.000	0.000	-	80.000
viii	DEDUCTION FOR WINDOWS	2.000	3.000	0.000	4.000	0.000	-	24.000
Total Quantity					577.77 Sft (Square Foot)		53.67656631 Sqm (Square Meter)	

<b>Amount</b>					<b>53.67656631 X 242.787561038</b>	<b>13032.00</b>		
<b>20. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	QNTY SAME AS 12MM PLASTER	50.820	0.000	0.000	0.000	0.000	50.820	-
Total Quantity					50.82 Sqm (Sqm)		50.82 Sqm (Square Meter)	
<b>Amount</b>					<b>50.82 X 57.09560199</b>		<b>2901.60</b>	
<b>Total Amount</b>							<b>487946.85</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							5000.00	
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @							2053.10	
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>12053.10</b>	
<b>Grand Net Total Amount</b>							<b>499999.95</b>	

**NIHAR RANJAN NAIK**  
JE  
Kolabira Block

**MADHUMITA PAUL**  
AEE  
Kolabira Block

**Ashok Kumar Majhi**  
BDO  
Kolabira Block