

## Detailed Estimate

**OD/364/3484/120001/430173/00015293 : Const. of VSS building at Matiguda**

**Block : Malkangiri, Panchayat : Pedakunda**

**Created By:Er. BABITA BISWAS**

<b>1. Earth Work (AR0102a3) : Earthwork in hard soil or gravelly soil within 100m to 125m lead and 1.5m, initial lift</b>								
Earthwork in hard soil or gravelly soil within 100m to 125m 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 direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	9.000	1.200	1.200	1.200	0.000	15.552	-
ii	L/W	3.000	5.840	0.600	0.700	0.000	7.358	-
iii	S/W	2.000	6.200	0.600	0.700	0.000	5.208	-
iv	S/W	1.000	1.750	0.600	0.700	0.000	0.735	-
v	Sep Tank	1.000	2.700	1.800	1.800	0.000	8.748	-
vi	verendah	1.000	6.000	1.200	0.450	0.000	3.240	-
vii	Col	9.000	1.200	0.600	0.700	0.000	-	4.536
Total Quantity					36.3054 cum (cum)		36.3054 Cum (Cubic Meter)	
<b>Amount</b>					<b>36.3054 X 244.2382</b>		<b>8867.17</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	Col	9.000	1.200	1.200	0.150	0.000	1.944	-
ii	L/W	3.000	5.840	0.600	0.150	0.000	1.577	-
iii	SW	2.000	6.200	0.600	0.150	0.000	1.116	-
iv	SW	1.000	1.750	0.600	0.150	0.000	0.158	-
v	Septic tank	1.000	1.200	1.800	0.150	0.000	0.324	-
vi	Ver	1.000	6.000	1.200	0.400	0.000	2.880	-

vii	Room	1.000	6.450	3.450	0.450	0.000	10.014	-	
viii	Office	1.000	3.750	2.250	0.450	0.000	3.797	-	
ix	Toilet	1.000	1.370	2.250	0.450	0.000	1.387	-	
x	Col	9.000	1.200	0.600	0.150	0.000	-	0.972	
Total Quantity					22.223925 cum (cum)		22.223925 Cum (Cubic Meter)		
Amount					22.223925 X 645.760872		14351.34		

### 3. Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal

Cement concrete (1:4:8) 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	Col	9.000	1.200	1.200	0.150	0.000	1.944	-	
ii	Wall bed	1.000	31.670	0.600	0.150	0.000	2.850	-	
iii	Footing	1.000	21.670	0.370	0.800	0.000	6.414	-	
iv	Verh	1.000	6.000	1.200	0.200	0.000	1.440	-	
v	Septick tank	1.000	2.700	1.800	0.150	0.000	0.729	-	
vi	Hall	1.000	5.400	3.300	0.100	0.000	1.782	-	
vii	Office	1.000	3.750	2.150	0.100	0.000	0.806	-	
viii	Toilet	1.000	1.350	2.150	0.100	0.000	0.290	-	
ix	Col	9.000	1.200	0.600	0.150	0.000	-	0.972	
x	Col	9.000	0.250	0.250	0.800	0.000	-	0.450	
Total Quantity					14.83412 cum (cum)		14.83412 Cum (Cubic Meter)		
Amount					14.83412 X 5288.83007016		78455.14		

### 4. 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 centering 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	Base	9.000	1.200	1.200	0.250	0.000	3.240	-
ii	Basa	9.000	0.600	0.600	0.230	0.000	0.745	-
Total Quantity					3.9852 cum (cum)		3.9852 Cum (Cubic Meter)	
<b>Amount</b>					<b>3.9852 X 6567.3384943151</b>		<b>26172.16</b>	

**5. 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 centering 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	31.670	0.250	0.200	0.000	1.584	-
Total Quantity					1.5835 cum (cum)		1.5835 Cum (Cubic Meter)	
<b>Amount</b>					<b>1.5835 X 7321.7298618296</b>		<b>11593.96</b>	

**6. 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 centering and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bresher etc)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	1.000	3.900	0.230	0.400	0.000	0.359	-
ii	Columns	9.000	0.250	0.250	4.250	0.000	2.391	-
iii	Wall Beam	1.000	31.760	0.230	0.230	0.000	1.680	-
Total Quantity					4.429529 cum (cum)		4.429529 Cum (Cubic Meter)	
<b>Amount</b>					<b>4.429529 X 14526.656397905</b>		<b>64346.25</b>	

**7. 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 centering 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	1.000	31.670	0.230	0.150	0.000	1.093	-
Total Quantity					1.092615 cum (cum)		1.092615 Cum (Cubic Meter)	
Amount					1.092615 X 13199.22237981		14421.67	

**8. 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 centering 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	Chajja	1.000	6.000	0.500	0.065	0.000	0.195	-
ii	Chajja	3.000	1.800	0.500	0.065	0.000	0.176	-
iii	Chajja	1.000	1.200	0.500	0.065	0.000	0.039	-
iv	Slab	1.000	6.350	7.900	0.100	0.000	5.017	-
v	Stair Case	1.000	3.800	1.200	0.150	0.000	0.684	-
vi	Steps	20.000	1.200	0.250	0.150	0.000	0.900	-
Total Quantity					7.01 cum (cum)		7.01 Cum (Cubic Meter)	
Amount					7.01 X 12820.737750759		89873.37	

**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**

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
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i	Ms rod	1.000	19.000	0.000	0.000	0.000	19.000	-
Total Quantity					19 Qntl (Quintal)		19 Qntl (Quintal)	
<b>Amount</b>					<b>19 X 8722.7547787</b>		<b>165732.34</b>	

**10. Masonry Brick Work (AR0603di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

Brickwork with C.B. 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> 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	1.000	31.680	0.230	2.770	0.000	20.183	-
ii	Parapet	1.000	23.950	0.230	0.750	0.000	4.131	-
iii	Railling	1.000	3.850	0.125	0.650	0.000	0.313	-
iv	Col	9.000	0.230	0.250	2.770	0.000	-	1.433
v	Door	1.000	1.200	0.230	2.100	0.000	-	0.580
vi	D1	1.000	1.000	0.230	2.100	0.000	-	0.483
vii	D2	1.000	0.750	0.230	2.100	0.000	-	0.362
viii	W1	3.000	1.500	0.230	1.350	0.000	-	1.397
ix	W2	1.000	0.900	0.230	1.350	0.000	-	0.279
Total Quantity					20.0924905 cum (cum)		20.0924905 Cum (Cubic Meter)	
<b>Amount</b>					<b>20.0924905 X 4892.464908216</b>		<b>98301.80</b>	

**11. Flooring (AR0817aa) : Fixing Vitrified floor tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm**

Fixing Vitrified floor 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 tiles including rubbing and polishing complete including cost of precast tiles.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Hall	1.000	6.050	3.700	0.000	0.000	22.385	-
ii	Office	1.000	4.200	2.500	0.000	0.000	10.500	-

iii	Toilet	1.000	1.520	2.300	0.000	0.000	3.496	-	
iv	Dado	2.000	1.520	1.500	0.000	0.000	4.560	-	
v	Dado	2.000	2.300	1.500	0.000	0.000	6.900	-	
vi	Door	1.000	0.750	1.500	0.000	0.000	-	1.125	
Total Quantity					46.716 Sqm (Sqm)		46.716 Sqm (Square Meter)		
<b>Amount</b>					<b>46.716 X 1660.406659496</b>		<b>77567.56</b>		

### 12. 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	O/S	2.000	6.090	3.400	0.000	0.000	41.412	-	
ii	O/S	2.000	6.450	3.400	0.000	0.000	43.860	-	
iii	Parapet	2.000	24.000	0.750	0.000	0.000	36.000	-	
iv	Railing	2.000	3.870	0.600	0.000	0.000	4.644	-	
v	Tank	2.000	2.700	1.800	0.000	0.000	9.720	-	
vi	Tank	2.000	1.300	1.800	0.000	0.000	4.680	-	
vii	Door	1.000	1.200	2.100	0.000	0.000	-	2.520	
viii	Window	3.000	1.500	1.350	0.000	0.000	-	6.075	
ix	Window	1.000	0.900	1.350	0.000	0.000	-	1.215	
Total Quantity					130.506 Sqm (Sqm)		130.506 Sqm (Square Meter)		
<b>Amount</b>					<b>130.506 X 172.8194711124</b>		<b>22553.98</b>		

### 13. 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
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i	Hall	2.000	5.610	3.000	0.000	0.000	33.660	-	
ii	Hall	2.000	3.400	3.000	0.000	0.000	20.400	-	
iii	Office	2.000	3.260	3.000	0.000	0.000	19.560	-	
iv	Office	2.000	2.310	3.000	0.000	0.000	13.860	-	
v	Toilet	2.000	1.520	3.000	0.000	0.000	9.120	-	
vi	Toilet	2.000	2.310	3.000	0.000	0.000	13.860	-	
vii	Door	1.000	1.200	2.100	0.000	0.500	-	1.260	
Total Quantity					109.2 Sqm (Sqm)		109.2 Sqm (Square Meter)		
<b>Amount</b>					<b>109.2 X 246.783839754</b>		<b>26948.80</b>		

#### 14. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

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	Celling	1.000	47.841	0.000	0.000	0.000	47.841	-	
ii	Indide	1.000	110.460	0.000	0.000	0.000	110.460	-	
Total Quantity					158.301 Sqm (Sqm)		158.301 Sqm (Square Meter)		
<b>Amount</b>					<b>158.301 X 99.2571023375</b>		<b>15712.50</b>		

#### 15. Other Building Items. (AR1902) : cement based wall putty (water based)

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Celling	1.000	47.841	0.000	0.000	0.000	47.841	-	
ii	Inside	1.000	110.460	0.000	0.000	0.000	110.460	-	
Total Quantity					158.301 Sqm (Sqm)		158.301 Sqm (Square Meter)		
<b>Amount</b>					<b>158.301 X 78.13764</b>		<b>12369.27</b>		

**16. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Out side	1.000	140.316	0.000	0.000	0.000	140.316	-
Total Quantity					140.316 Sqm (Sqm)		140.316 Sqm (Square Meter)	
<b>Amount</b>					<b>140.316 X 86.7039133375</b>		<b>12165.95</b>	

**17. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)**

Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	1.200	2.100	0.000	2.250	5.670	-
ii	Door 1	1.000	1.050	2.100	0.000	2.250	4.961	-
iii	Door 2	1.000	0.750	2.100	0.000	2.250	3.544	-
iv	Window	3.000	1.500	1.350	0.000	2.750	16.706	-
v	Window	1.000	0.900	1.350	0.000	2.750	3.341	-
Total Quantity					34.2225 Sqm (Sqm)		34.2225 Sqm (Square Meter)	
<b>Amount</b>					<b>34.2225 X 166.37194986438</b>		<b>5693.66</b>	

**Total Amount****745126.90****Addition**

Provision for PH Work (+) @	20373.00
Provision for EI Work (+) @	21000.00
Provision for Contingency (+) @	8500.00
Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	52000.00

<b>Total Addition</b>	<b>104873.00</b>
<b>Grand Net Total Amount</b>	<b>849999.90</b>