

Detailed Estimate

OD/364/3484/120003/430155/00015290 : Const. of VSS building at Tangnitang

Block : Malkangiri, Panchayat : Serpalli

Created By:Er. BABITA BISWAS

1. Earth Work (AR0102a3) : Earthwork in hard soil or gravelly soil within 100m to 125m lead and 1.5m, initial lift								
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	lw	3.000	5.840	0.600	0.700	0.000	7.358	-
iii	sw	2.000	6.200	0.600	0.700	0.000	5.208	-
iv	sw	1.000	1.750	0.600	0.700	0.000	0.735	-
v	septic tank	1.000	2.700	1.800	1.800	0.000	8.748	-
vi	varh	1.000	6.000	1.200	0.450	0.000	3.240	-
vii	column	9.000	1.200	0.600	0.700	0.000	-	4.536
Total Quantity					36.3054 cum (cum)		36.3054 Cum (Cubic Meter)	
Amount					36.3054 X 244.2382		8867.17	
2. 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	2.000	6.090	3.400	0.000	0.000	41.412	-
ii	outside	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	0.500	-	1.260	
viii	window	3.000	1.500	1.350	0.000	0.500	-	3.038	
ix	window	1.000	0.900	1.350	0.000	0.500	-	0.608	
Total Quantity					135.411 Sqm (Sqm)		135.411 Sqm (Square Meter)		
Amount					135.411 X 173.0344304224		23430.77		

3. 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	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)		
Amount					109.2 X 247.042031104		26976.99		

4. 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	
i	Ms rod	1.000	19.000	0.000	0.000	0.000	19.000	-	
Total Quantity					19 Qntl (Quintal)		19 Qntl (Quintal)		

Amount				19 X 8729.0594512			165852.13	
5. 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	0.500	-	0.563
Total Quantity					47.2785 Sqm (Sqm)		47.2785 Sqm (Square Meter)	
Amount					47.2785 X 1662.885024261		78618.71	
6. 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	varh	1.000	6.000	1.200	0.200	0.000	1.440	-
v	septic tank	1.000	2.700	1.800	0.150	0.000	0.729	-
vi	col	9.000	1.200	0.600	0.150	0.000	-	0.972
vii	col	9.000	0.250	0.250	0.800	0.000	-	0.450
viii	Hall	1.000	5.400	3.300	0.100	0.000	1.782	-

ix	Office	1.000	3.750	2.150	0.100	0.000	0.806	-
x	Toilet	1.000	1.350	2.150	0.100	0.000	0.290	-
Total Quantity					14.83412 cum (cum)		14.83412 Cum (Cubic Meter)	
Amount					14.83412 X 5362.27868416		79544.69	
7. 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	base	9.000	0.600	0.600	0.230	0.000	0.745	-
Total Quantity					3.9852 cum (cum)		3.9852 Cum (Cubic Meter)	
Amount					3.9852 X 6647.1330271345		26490.15	
8. 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 band	1.000	31.670	0.250	0.200	0.000	1.584	-
Total Quantity					1.5835 cum (cum)		1.5835 Cum (Cubic Meter)	
Amount					1.5835 X 7400.9722734626		11719.44	
9. 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	beam	1.000	3.900	0.230	0.400	0.000	0.359	-
ii	Coloumns	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)	
Amount					4.429529 X 14602.51479759		64682.26	

10. 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 13273.312709147		14502.62	

11. 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	chaja	1.000	6.000	0.500	0.065	0.000	0.195	-
ii	watershed	3.000	1.800	0.500	0.065	0.000	0.176	-
iii	watershed	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	staircase	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 12894.674332552	90391.67

12. 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	inside	1.000	110.480	0.000	0.000	0.000	110.480	-
Total Quantity					158.321 Sqm (Sqm)		158.321 Sqm (Square Meter)	
Amount					158.321 X 99.2646079		15715.67	

13. 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	2.000	110.480	0.000	0.000	0.000	220.960	-
Total Quantity					268.801 Sqm (Sqm)		268.801 Sqm (Square Meter)	
Amount					268.801 X 78.13764		21003.48	

14. 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/cm² 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	railing	1.000	3.850	0.130	0.650	0.000	0.325	-
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	window	3.000	1.500	0.230	1.350	0.000	-	1.397
ix	window	1.000	0.900	0.230	1.350	0.000	-	0.279
Total Quantity					20.105003 cum (cum)		20.105003 Cum (Cubic Meter)	
Amount					20.105003 X 4844.438186116		97397.44	

15. 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	d2	1.000	1.050	2.100	0.000	2.250	4.961	-
iii	door	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)	
Amount					34.2225 X 166.37945542688		5693.92	

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	outside	1.000	137.847	0.000	0.000	0.000	137.847	-
Total Quantity					137.847 Sqm (Sqm)		137.847 Sqm (Square Meter)	
Amount					137.847 X 86.7114189		11952.91	

17. 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.

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	lw	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	varh	1.000	6.000	1.200	0.400	0.000	2.880	-
vii	col	9.000	1.200	0.600	0.150	0.000	-	0.972
viii	Room	1.000	6.450	3.450	0.450	0.000	10.014	-
ix	Office	1.000	3.750	2.250	0.450	0.000	3.797	-
x	Toilet	1.000	1.370	2.250	0.450	0.000	1.387	-
Total Quantity					22.223925 cum (cum)		22.223925 Cum (Cubic Meter)	
Amount					22.223925 X 580.009872		12890.10	
Total Amount							755730.11	
Addition								
Provision for PH Work (+) @							11000.00	
Provision for EI Work (+) @							23269.00	
Provision for Contingency (+) @							8500.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							48500.00	
Total Addition							94269.00	
Grand Net Total Amount							849999.11	