

Detailed Estimate

OD/364/3484/120004/430239/00015282 : Const. of VSS building at Nua Simagudi

Block : Malkangiri, Panchayat : Sindrimal

Created By:Er. BIBHUTI BHUSAN ROUT

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	Coloumns	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	Lat tank	1.000	2.700	1.800	1.800	0.000	8.748	-
v	Ver	1.000	6.000	1.200	0.450	0.000	3.240	-
vi	Deduct	9.000	1.200	0.600	0.700	0.000	-	4.536
Total Quantity					35.5704 cum (cum)		35.5704 Cum (Cubic Meter)	
Amount					35.5704 X 244.2382		8687.65	
2. 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	Coloumns	9.000	1.200	1.200	0.150	0.000	1.944	-
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	Lat tank	1.000	2.700	1.800	0.100	0.000	0.486	-
vi	Ver	1.000	6.000	1.200	0.300	0.000	2.160	-
vii	Coloumns	9.000	1.200	0.600	0.150	0.000	-	0.972

Total Quantity			16.9194 cum (cum)				16.9194 Cum (Cubic Meter)	
Amount			16.9194 X 580.009872				9813.42	
3. 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 6525.6279819451				26005.93	
4. 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	Plinthband	1.000	31.670	0.300	0.230	0.000	2.185	-
Total Quantity			2.18523 cum (cum)				2.18523 Cum (Cubic Meter)	
Amount			2.18523 X 7280.0193494596				15908.52	
5. 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	Coloumns	9.000	0.250	0.250	4.250	0.000	2.391	-
ii	Wall beam	1.000	31.670	0.230	0.230	0.000	1.675	-

iii	Beam	1.000	3.900	0.230	0.400	0.000	0.359	-
Total Quantity					4.424768 cum (cum)		4.424768 Cum (Cubic Meter)	
Amount					4.424768 X 14484.945885535		64092.53	
6. 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 13157.51186744		14376.09	
7. 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	Window	3.000	1.800	0.500	0.065	0.000	0.176	-
iii	W	1.000	1.200	0.500	0.065	0.000	0.039	-
iv	Sab	1.000	6.350	7.900	0.120	0.000	6.020	-
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					8.0133 cum (cum)		8.0133 Cum (Cubic Meter)	
Amount					8.0133 X 12779.027238389		102402.18	
8. 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	Coloumns	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	0.400	0.900	0.000	7.801	-
iv	Ver	1.000	6.000	1.200	0.200	0.000	1.440	-
v	Lat tank	1.000	2.700	1.800	0.150	0.000	0.729	-
vi	Coloumns	9.000	1.200	0.600	0.150	0.000	-	0.972
vii	Coloumns	9.000	0.250	0.250	0.900	0.000	-	0.506
Total Quantity					13.28625 cum (cum)		13.28625 Cum (Cubic Meter)	
Amount					13.28625 X 5268.17476216		69994.29	

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
i	M S Rod	1.000	19.600	0.000	0.000	0.000	19.600	-
Total Quantity					19.6 Qntl (Quintal)		19.6 Qntl (Quintal)	
Amount					19.6 X 8710.1454337		170718.85	

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/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	Paraper	1.000	23.950	0.230	0.750	0.000	4.131	-

iii	Ralingl	1.000	3.850	0.130	0.650	0.000	0.325	-	
iv	Coloumns	9.000	0.230	0.250	2.770	0.000	-	1.433	
v	D	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	W	3.000	1.500	0.230	1.350	0.000	-	1.397	
ix	W1	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 4747.632847416		95451.17		

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	Tollet	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	0.500	0.000	-	0.563	
Total Quantity					47.2785 Sqm (Sqm)		47.2785 Sqm (Square Meter)		
Amount					47.2785 X 1654.463664966		78220.56		

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	Outside	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	3.800	0.600	0.000	0.000	4.560	-
v	Tank	2.000	2.700	1.800	0.000	0.000	9.720	-
vi		2.000	1.300	1.800	0.000	0.000	4.680	-
vii	Door	1.000	1.200	2.100	0.500	0.000	1.260	-
viii	W	3.000	1.500	1.350	0.500	0.000	-	3.038
ix	W1	1.000	0.900	1.350	0.500	0.000	-	0.608
Total Quantity					137.847 Sqm (Sqm)		137.847 Sqm (Square Meter)	
Amount					137.847 X 171.4032874924		23627.43	

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
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	0.500	0.000	-	1.260
Total Quantity					109.2 Sqm (Sqm)		109.2 Sqm (Square Meter)	
Amount					109.2 X 251.001529054		27409.37	

14. 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	Celing	1.000	47.841	0.000	0.000	0.000	47.841	-
ii	Inside plaster	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 77.364		20795.52	
15. 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	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 86.6889022125		11949.81	
16. 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	Celing	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 98.25949625		15556.54	
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	2.250	0.000	5.670	-
ii	D1	1.000	1.050	2.100	2.250	0.000	4.961	-
iii	D2	1.000	0.750	2.100	2.250	0.000	3.544	-
iv	W	3.000	1.500	1.350	2.750	0.000	16.706	-
v	W1	1.000	0.900	1.350	2.750	0.000	3.341	-
Total Quantity					34.2225 Sqm (Sqm)		34.2225 Sqm (Square Meter)	
Amount					34.2225 X 164.70984033602		5636.78	
Total Amount							760646.63	
Addition								
Provision for PH Work (+) @							15000.00	
Provision for EI Work (+) @							13823.00	
Provision for Contingency (+) @							7610.67	
Display Citizen Board (+) @							2500.00	
Any Other Lumpsum (+) @								
Total Addition							38933.67	
Grand Net Total Amount							799580.30	