

Detailed Estimate

OD/363/3471/119806/428913/00014854 : VSS building at Doliamba
Block : Koraput, Panchayat : Mahadeiput
Created By:P. Santosh Kumar Patro

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
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	9.000	1.220	1.220	1.220	1.000	16.343	-
ii	L/WALL	3.000	6.600	0.750	0.750	1.000	11.138	-
iii	S/WALL	3.000	1.780	0.750	0.750	1.000	3.004	-
iv	S/WALL	2.000	2.890	0.750	0.750	1.000	3.251	-
v	DEDUCTIONS	9.000	1.200	0.750	0.750	1.000	-	6.075
Total Quantity					27.660132 cum (cum)		27.660132 Cum (Cubic Meter)	
Amount					27.660132 X 235.56432		6515.74	
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	COLUMN	9.000	1.220	1.220	0.100	1.000	1.340	-
ii	L/WALL	3.000	6.600	0.750	0.050	1.000	0.743	-
iii	S/WALL	3.000	1.780	0.750	0.050	1.000	0.200	-
iv	S/WALL	2.000	2.890	0.750	0.050	1.000	0.217	-
v	HALL	1.000	5.380	3.200	0.300	1.000	5.165	-
vi	OFFICE	1.000	3.730	2.080	0.300	1.000	2.328	-

vii	TOILET	1.000	1.290	2.080	0.300	1.000	0.805	-	
viii	DEDUCTION	9.000	1.200	0.750	0.100	1.000	-	0.810	
Total Quantity					9.98634 cum (cum)		9.98634 Cum (Cubic Meter)		
Amount					9.98634 X 1487.696872		14856.65		

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	9.000	1.220	1.220	0.100	1.000	1.340	-	
ii	L/WALL	3.000	6.600	0.750	0.100	1.000	1.485	-	
iii	S/WALL	3.000	1.780	0.750	0.100	1.000	0.401	-	
iv	S/WALL	2.000	2.890	0.750	0.100	1.000	0.434	-	
v	HALL	1.000	5.380	3.200	0.100	1.000	1.722	-	
vi	OFFICE	1.000	3.730	2.080	0.100	1.000	0.776	-	
vii	TOILET	1.000	1.290	2.080	0.100	1.000	0.268	-	
viii	DEDUCTION	9.000	1.200	0.750	0.100	1.000	-	0.810	
Total Quantity					5.61432 cum (cum)		5.61432 Cum (Cubic Meter)		
Amount					5.61432 X 6166.45905404		34620.47		

4. Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry.

Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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	L/WALL	3.000	6.450	0.600	0.450	1.000	5.225	-
ii	S/WALL	3.000	1.930	0.600	0.450	1.000	1.563	-
iii	S/WALL	2.000	3.050	0.600	0.450	1.000	1.647	-

iv	2ND FOOT	3.000	6.300	0.450	0.400	1.000	3.402	-	
v	S/W	2.000	3.200	0.450	0.400	1.000	1.152	-	
vi	S/W	3.000	2.080	0.450	0.400	1.000	1.123	-	
vii	DEDUCTION	9.000	0.230	0.230	0.850	1.000	-	0.405	
Total Quantity					13.707315 cum (cum)		13.707315 Cum (Cubic Meter)		
Amount					13.707315 X 4760.8554373076		65258.55		

5. 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	COLUMN BASE	9.000	1.200	1.200	0.200	1.000	2.592	-	
ii	HUNCH	9.000	0.600	0.600	0.300	1.000	0.972	-	
Total Quantity					3.564 cum (cum)		3.564 Cum (Cubic Meter)		
Amount					3.564 X 6796.7161189091		24223.50		

6. 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 BEAM	3.000	6.070	0.230	0.200	1.000	0.838	-
ii	S/W	2.000	3.460	0.230	0.200	1.000	0.318	-
iii	S/W	3.000	2.310	0.230	0.200	1.000	0.319	-
iv	DEDUCT COLUMN	9.000	0.230	0.230	0.200	1.000	-	0.095

Total Quantity	1.37954 cum (cum)	1.37954 Cum (Cubic Meter)
Amount	1.37954 X 7550.7762137118	10416.60

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	LINLEL	3.000	6.070	0.230	0.150	1.000	0.628	-
ii	S/W	2.000	3.430	0.230	0.150	1.000	0.237	-
iii	S/W	3.000	2.310	0.230	0.150	1.000	0.239	-
iv	DEDUCT COLUMN	9.000	0.230	0.230	0.150	1.000	-	0.071
Total Quantity					1.032585 cum (cum)		1.032585 Cum (Cubic Meter)	
Amount					1.032585 X 13425.177482315		13862.64	

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 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	WALL BEAM	3.000	6.070	0.230	0.230	1.000	0.963	-
ii	S/W	2.000	3.430	0.230	0.230	1.000	0.363	-
iii	S/W	3.000	2.310	0.230	0.230	1.000	0.367	-
iv	CANTILEVER	6.000	1.050	0.230	0.230	1.000	0.333	-
v	ROOM BEAM	1.000	3.660	0.230	0.230	1.000	0.194	-
vi	COLUMN	9.000	0.230	0.230	4.750	1.000	2.261	-
vii	DEDUCTION	9.000	0.230	0.230	0.230	1.000	-	0.110

Total Quantity						4.371656 cum (cum)	4.371656 Cum (Cubic Meter)	
Amount						4.371656 X 14753.672342618	64497.98	
9. 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	SLAB	1.000	6.370	7.800	0.100	1.000	4.969	-
Total Quantity						4.9686 cum (cum)	4.9686 Cum (Cubic Meter)	
Amount						4.9686 X 13046.600604737	64823.34	
10. R.C.C. Work (AR0404Ae) : 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 Stairs excluding landing but including railing)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	STAIR	1.000	7.010	1.060	0.120	1.000	0.892	-
ii	STEP	20.000	1.060	0.150	0.150	1.000	0.477	-
iii	HAND RAIL	1.000	7.010	1.000	0.120	1.000	0.841	-
Total Quantity						2.209872 cum (cum)	2.209872 Cum (Cubic Meter)	
Amount						2.209872 X 14642.829029725	32358.78	
11. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
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/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	L/W	3.000	6.070	0.230	2.820	0.000	11.811	-

ii	S/W	3.000	2.310	0.230	2.820	0.000	4.495	-	
iii	S/W	2.000	3.430	0.230	2.820	0.000	4.449	-	
iv	PARAPET	1.000	12.500	0.230	0.910	0.000	2.616	-	
v	deduction door	2.000	1.050	0.230	2.100	0.000	-	1.014	
vi	Deduction Di	1.000	1.200	0.230	1.200	0.000	-	0.331	
vii	Deduction w	3.000	1.200	0.230	1.200	0.000	-	0.994	
viii	column	9.000	0.230	0.230	2.820	0.000	-	1.343	
Total Quantity					19.689748 cum (cum)		19.689748 Cum (Cubic Meter)		
Amount					19.689748 X 5384.171536272		106012.98		

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	out side	2.000	6.070	3.200	0.000	0.000	38.848	-	
ii	s/w	2.000	6.420	3.200	0.000	0.000	41.088	-	
iii	parapet	2.000	12.500	1.000	0.000	0.000	25.000	-	
iv	deduct door	3.000	0.500	1.050	2.100	0.000	-	3.308	
v	Deduct window	3.000	0.500	1.200	1.200	0.000	-	2.160	
Total Quantity					99.4685 Sqm (Sqm)		99.4685 Sqm (Square Meter)		
Amount					99.4685 X 181.9380186008		18097.10		

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	Inside	1.000	18.050	0.000	3.200	0.000	57.760	-
ii	Office	1.000	12.540	0.000	3.200	0.000	40.128	-
iii	Toilet	1.000	7.670	0.000	3.200	0.000	24.544	-
iv	Deduct D	3.000	0.500	1.050	2.100	0.000	-	3.308
v	Window	3.000	0.500	1.200	1.200	0.000	-	2.160
Total Quantity					116.9645 Sqm (Sqm)		116.9645 Sqm (Square Meter)	
Amount					116.9645 X 257.722191668		30144.35	
14. Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside.								
20mm 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	Plinth	2.000	6.300	0.000	0.450	0.000	5.670	-
ii		2.000	4.050	0.000	0.450	0.000	3.645	-
Total Quantity					9.315 Sqm (Sqm)		9.315 Sqm (Square Meter)	
Amount					9.315 X 272.811153732		2541.24	
15. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips								
2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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	Slab	1.000	6.370	7.800	0.000	0.000	49.686	-
Total Quantity					49.686 Sqm (Sqm)		49.686 Sqm (Square Meter)	
Amount					49.686 X 372.2401975908		18495.13	
16. 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	5.910	3.730	0.000	0.000	22.044	-
ii	OFFICE	1.000	4.270	2.610	0.000	0.000	11.145	-
iii	TOILET	1.000	1.500	2.310	0.000	0.000	3.465	-
Total Quantity					36.654 Sqm (Sqm)		36.654 Sqm (Square Meter)	
Amount					36.654 X 1655.299403707		60673.34	

17. Flooring (AR0817b) : Glazed tiles in wall cladding up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding / Glazed Tile on 12mm thick cement plaster (1:3)

Fixing tiles(20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding 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, cost of precast tiles complete as per direction of Engineer-in-charge

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	TOILET WALL	1.000	7.670	1.500	0.000	0.000	11.505	-
Total Quantity					11.505 Sqm (Sqm)		11.505 Sqm (Square Meter)	
Amount					11.505 X 968.339419707		11140.75	

18. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer 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	QTY	1.000	275.430	0.000	0.000	0.000	275.430	-
Total Quantity					275.43 Sqm (Sqm)		275.43 Sqm (Square Meter)	
Amount					275.43 X 71.771178197849		19767.94	

19. 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	QTY	1.000	108.770	0.000	0.000	0.000	108.770	-
Total Quantity					108.77 Sqm (Sqm)		108.77 Sqm (Square Meter)	
Amount					108.77 X 86.684398875		9428.66	

20. Painting (AR0919) : Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside)

Finishing wall One Coat with plastic emulsion paint of approved shades on old 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	QTY	1.000	153.490	0.000	0.000	0.000	153.490	-
Total Quantity					153.49 Sqm (Sqm)		153.49 Sqm (Square Meter)	
Amount					153.49 X 63.831416725		9797.48	

21. 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	3.000	2.250	1.050	2.100	0.000	14.884	-
ii	WINDOW	3.000	2.750	1.200	1.200	0.000	11.880	-
Total Quantity					26.76375 Sqm (Sqm)		26.76375 Sqm (Square Meter)	
Amount					26.76375 X 166.32561990188		4451.50	

22. 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	QTY	1.000	16.750	0.000	0.000	0.000	16.750	-

Total Quantity					16.75 Qntl (Quintal)	16.75 Qntl (Quintal)		
Amount					16.75 X 8712.0314269	145926.53		
23. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.								
Priming one coat in inner surface with primer of approved quality over iron work 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	DOOR	3.000	2.250	1.050	2.100	0.000	14.884	-
ii	WINDOW	3.000	2.750	1.200	1.200	0.000	11.880	-
Total Quantity					26.76375 Sqm (Sqm)	26.76375 Sqm (Square Meter)		
Amount					26.76375 X 66.076050791333	1768.44		
24. miscellaneous (ARM105) : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.								
Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	DOOR	3.000	1.050	2.100	0.000	0.000	6.615	-
ii	WINDOW	3.000	1.200	1.200	0.000	0.000	4.320	-
Total Quantity					10.935 Sqm (Sqm)	10.935 Sqm (Square Meter)		
Amount					10.935 X 16.22	177.37		
Total Amount							769857.03	
Addition								
Provision for PH Work (+) @							20000.00	
Provision for EI Work (+) @							15000.00	
Provision for Contingency (+) @							8500.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							33642.80	

Total Addition	80142.80
Grand Net Total Amount	849999.83