

Detailed Estimate

OD/366/3515/275423/427528/00065611 : Construction of VSS building Ichhapur of Ichhapur GP
Block : Jhorigam, Gram Panchayat : Ichhapur
Created By: Sri Kranti Kumar Pattanayak

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	Collomn	9.000	1.200	1.200	1.200	1.000	15.552	-
ii	Long wall	3.000	6.830	0.600	0.300	1.000	3.688	-
iii	Short wall	2.000	5.860	0.600	0.300	1.000	2.110	-
iv	Septic tank	1.000	4.000	2.000	1.500	1.000	12.000	-
v	Collomn	9.000	1.200	0.600	0.300	1.000	-	1.944
Total Quantity					31.4058 cum (cum)		31.4058 Cum (Cubic Meter)	
Amount					31.4058 X 240.77592		7561.76	
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	Collom	9.000	1.200	1.200	0.100	1.000	1.296	-
ii	Long wall	3.000	6.830	0.600	0.100	1.000	1.229	-
iii	S/wall	2.000	5.860	0.600	0.100	1.000	0.703	-
iv	Septic tank	1.000	4.000	2.000	0.100	1.000	0.800	-
v	Meeting hall	1.000	6.000	3.500	0.680	1.000	14.280	-

vi	Office	1.000	4.250	2.500	0.680	1.000	7.225	-
vii	Toilet	1.000	1.520	2.500	0.680	1.000	2.584	-
viii	collomn	9.000	1.200	0.600	0.100	1.000	-	0.648
Total Quantity					27.4696 cum (cum)		27.4696 Cum (Cubic Meter)	
Amount					27.4696 X 693.034932		19037.39	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Collomn	9.000	1.200	1.200	0.150	1.000	1.944	-
ii	Long wall	3.000	6.830	0.600	0.200	1.000	2.459	-
iii	S/wall	2.000	5.860	0.600	0.200	1.000	1.406	-
iv	L/wall ab GL	3.000	6.680	0.450	0.450	1.000	4.058	-
v	S/wall	2.000	6.010	0.450	0.450	1.000	2.434	-
vi	Septik tank	1.000	4.000	2.000	0.150	1.000	1.200	-
vii	Hall	1.000	6.000	3.500	0.150	1.000	3.150	-
viii	Office	1.000	4.250	2.500	0.150	1.000	1.594	-
ix	Toilet	1.000	1.520	2.500	0.150	1.000	0.570	-
x	Collomn	9.000	1.200	0.600	0.200	1.000	-	1.296
Total Quantity					17.5191 cum (cum)		17.5191 Cum (Cubic Meter)	
Amount					17.5191 X 5438.0287993		95269.37	

4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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. complete as per specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Septic tank	1.000	4.000	2.000	0.100	1.000	0.800	-
ii	Step	15.000	1.050	0.200	0.150	1.000	0.473	-
Total Quantity					1.2725 cum (cum)		1.2725 Cum (Cubic Meter)	
Amount					1.2725 X 6957.8658711		8853.88	

5. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Collomn	9.000	1.200	1.200	0.150	1.000	1.944	-
ii	Footing	9.000	0.600	0.600	0.450	1.000	1.458	-
iii	Collomn up to plinth	9.000	0.230	0.230	1.050	1.000	0.500	-
iv	Pl. to Lintal	9.000	0.230	0.230	2.100	1.000	1.000	-
v	Lit. to W.Beam	9.000	0.230	0.230	0.500	1.000	0.238	-
vi	Plint. L/wall	3.000	6.460	0.230	0.230	1.000	1.025	-
vii	S/wall	2.000	6.230	0.230	0.230	1.000	0.659	-
viii	Lintal L/wall	3.000	6.460	0.230	0.150	1.000	0.669	-
ix	S/wall	2.000	6.230	0.230	0.150	1.000	0.430	-
x	S/wall	1.000	2.500	0.230	0.150	1.000	0.086	-
xi	Wall Beam l/wall	3.000	6.480	0.230	0.230	1.000	1.028	-

xii	S/wall	2.000	6.230	0.230	0.230	1.000	0.659	-
xiii	S.Tank slab	1.000	4.000	2.000	0.100	1.000	0.800	-
xiv	Stair case	1.000	3.750	1.050	0.150	1.000	0.591	-
xv	Slab	1.000	6.460	6.690	0.100	1.000	4.322	-
Total Quantity					15.408706 cum (cum)		15.408706 Cum (Cubic Meter)	
Amount					15.408706 X 5681.392771681		87542.91	

6. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	MS Rod	1.000	15.500	0.000	0.000	1.000	15.500	-
Total Quantity					15.5 Qntl (Quintal)		15.5 Qntl (Quintal)	
Amount					15.5 X 8430.7391448		130676.46	

7. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth L/wall	3.000	6.680	0.000	0.230	2.000	9.218	-
ii	L/wall	3.000	6.680	0.000	0.450	2.000	18.036	-
iii	S/wall	2.000	6.000	0.000	0.450	2.000	10.800	-
iv	S/wall	2.000	6.000	0.000	0.230	2.000	5.520	-
v	Footing	9.000	0.450	0.000	0.450	4.000	7.290	-

vi	Collomn up to Plinth	9.000	0.230	0.000	1.050	4.000	8.694	-
Total Quantity					59.5584 Sqm (Sqm)		59.5584 Sqm (Square Meter)	
Amount					59.5584 X 216.55039071844		12897.39	

8. R.C.C. Work (AR0410e) : First floor

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintal L/wall	3.000	6.460	0.000	0.150	2.000	5.814	-
ii	S/wall	2.000	6.230	0.000	0.150	2.000	3.738	-
iii	S/wall	1.000	2.500	0.000	0.150	2.000	0.750	-
Total Quantity					10.302 Sqm (Sqm)		10.302 Sqm (Square Meter)	
Amount					10.302 X 600.00156173754		6181.22	

9. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Collomn Pl. to Lint.	9.000	0.230	0.000	2.100	4.000	17.388	-
ii	Lint to W. beam	9.000	0.230	0.000	0.500	4.000	4.140	-
iii	Wall beam L/wall	3.000	6.460	0.000	0.230	2.000	8.915	-
iv	S/wall	2.000	6.230	0.000	0.230	2.000	5.732	-
Total Quantity					36.1744 Sqm (Sqm)		36.1744 Sqm (Square Meter)	

Amount				36.1744 X 1048.4253517895		37926.16		
10. R.C.C. Work (AR0410b) : centering and shuttering fRigid and smooth or R.C.C. works including false works and dismantling them after casting								
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. stairs excluding landing but including railing details for 5 Sqm								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Stir case slab	1.000	3.750	1.050	0.000	1.000	3.938	-
ii	Steps	15.000	1.050	0.000	0.200	1.000	3.150	-
iii	steps	15.000	0.150	0.000	0.200	2.000	0.900	-
Total Quantity					7.9875 Sqm (Sqm)		7.9875 Sqm (Square Meter)	
Amount				7.9875 X 919.009696506		7340.59		
11. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas								
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	6.460	6.690	0.000	1.000	43.217	-
ii	S. Tank slab	1.000	4.000	2.000	0.000	1.000	8.000	-
Total Quantity					51.2174 Sqm (Sqm)		51.2174 Sqm (Square Meter)	
Amount				51.2174 X 663.90898015022		34003.69		
12. Masonry Brick Work (AR0603di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) 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 ² with dimensional tolerance ± 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.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/wall	3.000	6.460	0.230	2.600	1.000	11.589	-
ii	S/wall	2.000	6.230	0.230	2.600	1.000	7.451	-
iii	C/wall	1.000	2.500	0.230	2.600	1.000	1.495	-
iv	S.tank L/wall	2.000	4.000	0.230	1.150	1.000	2.116	-
v	S/wall	2.000	1.540	0.230	1.150	1.000	0.815	-
vi	C/wall	1.000	1.540	0.125	0.900	1.000	0.173	-
vii	Parprt wall	2.000	6.500	0.230	0.750	1.000	2.243	-
viii	S/wall	2.000	6.200	0.230	0.750	1.000	2.139	-
ix	Door	1.000	1.100	0.230	2.100	1.000	-	0.531
x	Door	1.000	0.600	0.230	2.100	1.000	-	0.290
xi	Window	4.000	1.200	0.230	1.200	1.000	-	1.325
xii	Parpet	1.000	1.250	0.230	0.750	1.000	-	0.216
xiii	Collomn	9.000	0.230	0.230	2.600	1.000	-	1.238
Total Quantity					24.421345 cum (cum)		24.421345 Cum (Cubic Meter)	
Amount					24.421345 X 4988.566043		121827.49	
13. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	O/side L/wall	2.000	6.460	0.000	3.000	1.000	38.760	-
ii	S/wall	2.000	6.230	0.000	3.000	1.000	37.380	-
iii	Parapet wall	2.000	6.500	0.000	0.750	2.000	19.500	-

iv	S/wall	2.000	6.660	0.000	0.750	2.000	19.980	-	
v	S.Tank	2.000	3.540	0.000	1.150	1.000	8.142	-	
vi	S/wall	2.000	1.540	0.000	1.150	1.000	3.542	-	
vii	C/wall	2.000	1.540	0.000	0.900	1.000	2.772	-	
viii	Door	1.000	1.100	0.000	2.100	1.000	-	2.310	
ix	Door	1.000	0.600	0.000	2.100	1.000	-	1.260	
x	Window	4.000	1.200	0.000	1.200	1.000	-	5.760	
Total Quantity					120.746 Sqm (Sqm)		120.746 Sqm (Square Meter)		
Amount					120.746 X 170.317128806		20565.11		

14. 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 L/wall	2.000	6.000	0.000	3.000	1.000	36.000	-	
ii	S/wall	2.000	3.500	0.000	3.000	1.000	21.000	-	
iii	Room L/wall	2.000	4.250	0.000	3.000	1.000	25.500	-	
iv	S/wall	2.000	2.500	0.000	3.000	1.000	15.000	-	
v	Toilet	2.000	1.520	0.000	3.000	1.000	9.120	-	
vi	S/wall	2.000	2.500	0.000	3.000	1.000	15.000	-	
vii	Door	1.000	1.100	0.000	2.100	1.000	-	2.310	
viii	Door	1.000	0.600	0.000	2.100	1.000	-	1.260	
ix	Window	4.000	1.200	0.000	1.200	1.000	5.760	-	
Total Quantity					123.81 Sqm (Sqm)		123.81 Sqm (Square Meter)		

Amount					123.81 X 244.66334031	30291.77		
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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	6.000	3.500	0.000	1.000	21.000	-
ii	Room	1.000	4.250	2.500	0.000	1.000	10.625	-
iii	Room	1.000	1.520	2.500	0.000	1.000	3.800	-
Total Quantity					35.425 Sqm (Sqm)		35.425 Sqm (Square Meter)	
Amount					35.425 X 1009.880238341		35775.01	
16. Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside)								
Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/wall	2.000	6.460	0.000	3.000	1.000	38.760	-
ii	S/wall	2.000	6.230	0.000	3.000	1.000	37.380	-
iii	Parapet wall	2.000	6.500	0.000	0.750	2.000	19.500	-
iv	S/wall	2.000	6.660	0.000	0.750	2.000	19.980	-
v	Door	1.000	1.100	0.000	2.100	1.000	-	2.310
vi	Door	1.000	0.600	0.000	2.100	1.000	-	1.260
vii	Window	4.000	1.200	0.000	1.200	1.000	-	5.760
Total Quantity					106.29 Sqm (Sqm)		106.29 Sqm (Square Meter)	

Amount						106.29 X 57.890317259086	6153.16	
17. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room-1	2.000	9.500	0.000	3.000	1.000	57.000	-
ii	Celling	1.000	6.000	3.500	0.000	1.000	21.000	-
iii	Office	2.000	6.750	0.000	3.000	1.000	40.500	-
iv	Celling	1.000	4.250	2.500	0.000	1.000	10.625	-
v	Toilet	2.000	4.020	0.000	3.000	1.000	24.120	-
vi	Celling	1.000	1.520	2.500	0.000	1.000	3.800	-
vii	Door	1.000	1.100	0.000	2.100	1.000	-	2.310
viii	Door	1.000	0.600	0.000	2.100	1.000	-	1.260
ix	Window	4.000	1.200	0.000	1.200	1.000	-	5.760
Total Quantity						147.715 Sqm (Sqm)	147.715 Sqm (Square Meter)	
Amount						147.715 X 79.21834	11701.74	
18. 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	As per quantity of Putty	1.000	147.715	0.000	0.000	1.000	147.715	-
Total Quantity						147.715 Sqm (Sqm)	147.715 Sqm (Square Meter)	

Amount				147.715 X 94.7676397125			13998.60	
19. 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	1.000	1.100	0.000	2.100	0.300	0.693	-
ii	Door	1.000	0.600	0.000	2.100	0.300	0.378	-
iii	Window	4.000	1.200	0.000	1.200	0.300	1.728	-
Total Quantity					2.799 Qntl (Quintal)		2.799 Qntl (Quintal)	
Amount				2.799 X 15773.439083087			44149.86	
20. Painting (AR0901bi) : Priming one coat in outer surface with primer of approved quality over iron work								
Priming one coat in outer 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	1.000	1.100	0.000	2.100	2.250	5.198	-
ii	Door	1.000	0.600	0.000	2.100	2.250	2.835	-
iii	Window	4.000	1.200	0.000	1.200	2.750	15.840	-
Total Quantity					23.8725 Sqm (Sqm)		23.8725 Sqm (Square Meter)	
Amount				23.8725 X 65.84406247451			1571.86	
21. Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm								
Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction

i	Railing	1.000	3.500	0.000	0.000	0.328	1.148	-
ii	Poll	6.000	0.750	0.000	0.000	0.328	1.476	-
Total Quantity					2.624 ft (Feet)		8.60892416 Rmt (Meter)	
Amount					8.60892416 X 3129.0244276074		26937.53	
Total Amount							760262.96	
Addition								
Provision for PH Work (+) @							30000.00	
Provision for EI Work (+) @							30000.00	
Provision for Contingency (+) @							8500.00	
Display Citizen Board (+) @							4500.00	
Any Other Lumpsum (+) @							16736.00	
Provision for survey investigation and quality control (+) @								
Total Addition							89736.00	
Grand Net Total Amount							849998.96	

Sri Kranti Kumar Pattanayak
JE
Jhorigam Block

Bineet Kumar Mishra
AEE
Jhorigam Block

MADHUSUDAN MAJHI
BDO
Jhorigam Block