

Detailed Estimate

OD/345/3290/115890/420717/00063196 : Const of VSS Building at Kendubhata

Block : Khaprakhol, Gram Panchayat : Matiabhata

Created By:DEEPAK KUMAR BEHERA

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	Total Wall	1.000	98.570	2.500	2.500	0.030	18.482	-	
ii	Column	9.000	4.000	4.000	4.000	0.030	17.280	-	
iii	Step	1.000	10.000	3.000	1.000	0.030	0.900	-	
iv	Column wall	9.000	2.500	2.500	2.500	0.030	-	4.219	
Total Quantity					32.443125 cum (cum)		32.443125 Cum (Cubic Meter)		
Amount					32.443125 X 240.77592		7811.52		
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	T wall	1.000	98.570	2.500	0.500	0.030	3.696	-	
ii	column	9.000	4.000	4.000	0.500	0.030	2.160	-	
iii	meeting hall	1.000	18.410	11.160	2.000	0.030	12.327	-	
iv		1.000	13.000	7.580	2.000	0.030	5.912	-	
v	Toilet	1.000	5.000	7.580	2.000	0.030	2.274	-	
vi	Step	1.000	10.000	3.000	0.500	0.030	0.450	-	

vii	deduct	9.000	2.500	2.500	0.500	0.030	0.844	-
Total Quantity					27.663861 cum (cum)		27.663861 Cum (Cubic Meter)	
Amount					27.663861 X 647.009232		17898.77	
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	column	1.000	5.000	7.580	0.500	0.030	0.569	-
ii	meeting hall	1.000	18.410	11.160	0.330	0.030	2.034	-
iii	meeting	1.000	13.000	7.580	0.330	0.030	0.976	-
iv	Toilet	1.000	5.000	7.580	0.330	0.030	0.375	-
v	step	1.000	10.000	3.000	0.330	0.030	0.297	-
vi	deduct	9.000	2.500	2.500	0.500	0.030	-	0.844
Total Quantity					3.40651644 cum (cum)		3.40651644 Cum (Cubic Meter)	
Amount					3.40651644 X 5171.92550926		17618.25	
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 centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	colmn base footing	9.000	4.000	4.000	1.000	0.030	4.320	-
ii	column pedestal	9.000	2.000	2.000	0.500	0.030	0.540	-

iii	col upto plinth level	9.000	1.250	1.250	3.000	0.030	1.266	-
iv	column	9.000	0.830	0.830	9.500	0.030	1.767	-
v	plinth beam	1.000	98.570	0.830	1.000	0.030	2.454	-
vi		1.000	18.750	0.830	1.000	0.030	0.467	-
vii		1.000	7.580	0.830	1.000	0.030	0.189	-
viii	Lintel beam	1.000	98.570	0.830	0.500	0.030	1.227	-
ix		1.000	7.580	0.410	0.500	0.030	0.047	-
x	Front chajja	1.000	20.080	2.000	0.250	0.030	0.301	-
xi	Wall beam	1.000	98.570	0.830	0.500	0.030	1.227	-
xii		1.000	7.580	0.410	0.500	0.030	0.047	-
xiii	main beam	2.000	11.160	0.830	1.000	0.030	0.556	-
xiv	roof slab	1.000	22.240	21.080	0.330	0.030	4.641	-
xv	Landing	1.000	4.000	4.000	0.410	0.030	0.197	-
xvi	stair case step tread	20.000	4.000	1.000	0.250	0.030	0.600	-
xvii	staircase riser	21.000	4.000	0.250	0.500	0.030	0.315	-
Total Quantity					20.16036858 cum (cum)		20.16036858 Cum (Cubic Meter)	
Amount					20.16036858 X 5778.9159683315		116505.08	
5. 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	rod	0.000	20.100	0.000	0.000	0.000	20.100	-
Total Quantity					20.1 Qntl (Quintal)		20.1 Qntl (Quintal)	
Amount					20.1 X 8439.849062		169640.97	
6. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	total length of wall	1.000	98.570	1.660	0.500	0.030	2.454	-
ii		1.000	98.570	1.250	2.500	0.030	9.241	-
iii	step	1.000	10.000	3.000	0.500	0.030	0.450	-
iv		1.000	10.000	2.000	0.500	0.030	0.300	-
v		1.000	10.000	1.000	0.500	0.030	0.150	-
vi	dedn column	9.000	1.250	1.250	3.000	0.030	-	1.266
Total Quantity					11.3297055 cum (cum)		11.3297055 Cum (Cubic Meter)	
Amount					11.3297055 X 5124.232229368		58056.04	
7. 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/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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	total wall length	1.000	98.570	0.830	9.500	0.030	23.317	-
ii	dedn column	9.000	0.830	0.830	9.500	0.030	-	1.767

iii	GD	1.000	4.000	0.830	7.000	0.030	-	0.697
iv	door	1.000	3.500	0.830	7.000	0.030	-	0.610
v		1.000	2.750	0.830	7.000	0.030	-	0.479
vi	window	3.000	5.000	0.830	4.000	0.030	-	1.494
vii		1.000	3.500	0.830	4.000	0.030	-	0.349
viii	ventilator	2.000	2.000	0.830	2.000	0.030	-	0.199
Total Quantity					17.72133 cum (cum)		17.72133 Cum (Cubic Meter)	
Amount					17.72133 X 5153.527238968		91327.36	

8. R.C.C. Work (AR0410d) : 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. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall beam	2.000	98.570	0.000	0.500	0.090	8.871	-
ii	Main beam	1.000	11.160	0.000	2.830	0.090	2.842	-
iii	Column	9.000	3.320	0.000	9.500	0.090	25.547	-
Total Quantity					37.261152 Sqm (Sqm)		37.261152 Sqm (Square Meter)	
Amount					37.261152 X 1259.3620926389		46925.28	

9. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	22.250	21.080	0.000	0.090	42.213	-

ii	slab side	2.000	22.240	0.410	0.000	0.090	1.641	-	
iii		2.000	21.080	0.410	0.000	0.090	1.556	-	
iv	front chajja	2.000	20.080	2.250	0.000	0.090	8.132	-	
v	windowchajj	3.000	5.000	2.250	0.000	0.090	3.038	-	
vi	step	21.000	4.000	1.500	0.000	0.090	11.340	-	
vii	landing	1.000	4.000	4.000	0.000	0.090	1.440	-	
viii	dedn wall	1.000	98.570	0.830	0.000	0.090	-	7.363	
Total Quantity					61.996437 Sqm (Sqm)		61.996437 Sqm (Square Meter)		
Amount					61.996437 X 665.12801693244		41235.57		

10. R.C.C. Work (AR0410e) : 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. Lintels Data for 7.8 sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	lintel beam	2.000	98.570	0.000	0.500	0.090	8.871	-	
ii		2.000	7.580	0.000	0.500	0.090	0.682	-	
Total Quantity					9.5535 Sqm (Sqm)		9.5535 Sqm (Square Meter)		
Amount					9.5535 X 500.84993038128		4784.87		

11. 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	column footing	9.000	8.000	0.000	0.660	0.090	4.277	-

ii	plinth	2.000	98.570	0.000	1.000	0.090	17.743	-
Total Quantity					22.0194 Sqm (Sqm)		22.0194 Sqm (Square Meter)	
Amount					22.0194 X 216.83639468084		4774.61	
12. Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1								
Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	meeting hall	1.000	18.410	11.160	0.000	0.090	18.491	-
ii	Vssoffice	1.000	13.000	7.580	0.000	0.090	8.869	-
iii		1.000	5.000	7.580	0.000	0.090	3.411	-
iv	Meeting hall	2.000	29.570	0.000	0.500	0.090	2.661	-
v	Vss office	2.000	20.580	0.000	0.500	0.090	1.852	-
vi		2.000	12.580	0.000	7.000	0.090	15.851	-
vii	Door	1.000	2.750	0.000	7.000	0.090	-	1.733
viii		1.000	4.000	0.000	0.500	0.090	-	0.180
Total Quantity					49.222404 Sqm (Sqm)		49.222404 Sqm (Square Meter)	
Amount					49.222404 X 966.9287649078		47594.56	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Meeting hall	2.000	29.570	0.000	10.500	0.090	55.887	-

ii		2.000	20.580	0.000	10.500	0.090	38.896	-	
iii		2.000	12.580	0.000	10.500	0.090	23.776	-	
iv	celling	1.000	18.500	11.160	0.000	0.090	18.581	-	
v		1.000	13.000	7.580	0.000	0.090	8.869	-	
vi		1.000	5.000	7.580	0.000	0.090	3.411	-	
vii	dedn window	3.000	5.000	0.000	4.000	0.090	-	5.400	
viii		1.000	3.500	0.000	4.000	0.090	-	1.260	
ix	door	1.000	3.500	0.000	7.000	0.090	-	2.205	
x		1.000	4.000	0.000	7.000	0.090	-	2.520	
xi	ventilator	1.000	2.000	0.000	2.000	0.090	-	0.360	
Total Quantity					137.6757 Sqm (Sqm)		137.6757 Sqm (Square Meter)		
Amount					137.6757 X 240.936635442		33171.12		
14. 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	Room	2.000	21.250	0.000	10.500	0.090	40.163	-	
ii		2.000	20.080	0.000	10.500	0.090	37.951	-	
iii	dedn window	3.000	5.000	0.000	4.000	0.090	-	5.400	
iv	GD	1.000	4.000	0.000	7.000	0.090	-	2.520	
v	ventilator	2.000	2.000	0.000	2.000	0.090	-	0.720	
Total Quantity					69.4737 Sqm (Sqm)		69.4737 Sqm (Square Meter)		

Amount				69.4737 X 167.2137986852			11616.96	
15. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.								
20mm thick cement Plaster in CM (1:4) over stone 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	Plinth	2.000	21.650	0.000	2.500	0.093	10.056	-
ii		2.000	20.500	0.000	2.500	0.093	9.522	-
Total Quantity					19.578675 Sqm (Sqm)		19.578675 Sqm (Square Meter)	
Amount				19.578675 X 262.7504691536			5144.31	
16. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)								
Priming one coat with inner 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	as no -12	1.000	0.000	0.000	0.000	137.670	137.670	-
ii	as no- 13	1.000	0.000	0.000	0.000	69.470	69.470	-
iii	as no -14	1.000	0.000	0.000	0.000	19.570	19.570	-
Total Quantity					226.71 Sqm (Sqm)		226.71 Sqm (Square Meter)	
Amount				226.71 X 71.84560304831			16288.12	
17. 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 no - 12	1.000	0.000	0.000	0.000	137.570	137.570	-
Total Quantity					137.57 Sqm (Sqm)		137.57 Sqm (Square Meter)	
Amount					137.57 X 94.775145275		13038.22	
18. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer								
Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, 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	as no -13	1.000	0.000	0.000	0.000	69.470	69.470	-
ii	as no- 14	1.000	0.000	0.000	0.000	19.570	19.570	-
Total Quantity					89.04 Sqm (Sqm)		89.04 Sqm (Square Meter)	
Amount					89.04 X 156.89114311851		13969.59	
19. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	GD	1.000	2.250	4.000	7.000	0.093	5.853	-
ii	door	1.000	2.250	3.500	7.000	0.093	5.121	-
iii	ventilator	1.000	0.750	2.000	2.000	0.093	0.279	-
Total Quantity					11.2525125 Sqm (Sqm)		11.2525125 Sqm (Square Meter)	
Amount					11.2525125 X 66.12545887751		744.08	
20. 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	as no - 18	1.000	0.000	0.000	0.000	11.250	11.250	-
Total Quantity					11.25 Sqm (Sqm)		11.25 Sqm (Square Meter)	
Amount					11.25 X 164.25024333952		1847.82	
21. Other Building Items. (AR1909) : Al. door with OEL anodized Al. door section of 9202 as vertical member								
Providing fitting, fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No.1855 including all cost of labour,T&P , hire charges of drilling machine, labour charges etc. complete. and as per direction of Engineer in Charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	2.500	0.000	6.000	0.093	1.394	-
Total Quantity					1.3935 Sqm (Sqm)		1.3935 Sqm (Square Meter)	
Amount					1.3935 X 6754.6533798472		9412.61	
22. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	GD	1.000	4.000	0.000	7.000	3.000	84.000	-
ii	Door	1.000	3.500	0.000	7.000	2.500	61.250	-
iii	Window	3.000	5.000	0.000	4.000	3.000	180.000	-
iv		1.000	3.500	0.000	4.000	3.000	42.000	-
Total Quantity					367.25 Kg (Kilo Gram)		3.6725 Qntl (Quintal)	
Amount					3.6725 X 15770.183247087		57916.00	
Total Amount							787321.68	
Addition								

Provision for PH Work (+) @	25000.00
Provision for EI Work (+) @	20000.00
Provision for Contingency (+) @	7873.22
Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	6805.00
Provision for survey investigation and quality control (+) @	
Total Addition	62678.22
Grand Net Total Amount	849999.90

DEEPAK KUMAR BEHERA
JE
Khaprakhol Block

RAJKISHORE NAIK
AEE
Khaprakhol Block

Bibekananda Sarangi
BDO
Khaprakhol Block