

Detailed Estimate

OD/358/3415/118733/422453/00064450 : Construction of staff quater

Block : Karlamunda, Gram Panchayat : Karlamunda

Created By: SISIRA SABAR

1. R.C.C. Work (AR0404Ac) : First Floor								
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 Beams, Column, Girder & Bressmer etc)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	9.000	0.250	0.250	2.900	1.000	1.631	-
ii	Staircase & passage	3.000	1.530	0.250	0.300	1.000	0.344	-
iii	Front	1.000	1.530	0.250	0.200	1.000	0.077	-
iv	Overhanging beam	1.000	3.800	0.250	0.300	1.000	0.285	-
v	Slab beam L/W	3.000	7.500	0.250	0.200	1.000	1.125	-
vi	S/W	3.000	7.300	0.250	0.200	1.000	1.095	-
vii	Kitchen& toilet partition	1.000	2.700	0.250	0.200	1.000	0.135	-
Total Quantity					4.692 cum (cum)		4.692 Cum (Cubic Meter)	
Amount					4.692 X 15655.847149121		73457.23	
2. Masonry Brick Work (AR0603bi) : First floor								
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	L/W	3.000	7.500	0.250	2.900	1.000	16.313	-

ii	S/W	3.000	7.300	0.250	2.900	1.000	15.878	-
iii	Toilet Partition	1.000	2.400	0.250	2.900	1.000	1.740	-
iv	Door	3.000	1.050	0.250	2.100	1.000	-	1.654
v	D1	2.000	0.900	0.250	2.100	1.000	-	0.945
vi	W	4.000	0.900	0.250	1.200	1.000	-	1.080
vii	Column	9.000	0.250	0.250	2.900	1.000	-	1.631
Total Quantity					28.62 cum (cum)		28.62 Cum (Cubic Meter)	
Amount					28.62 X 5538.66654664		158516.64	

3. R.C.C. Work (AR0404Ad) : First Floor

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 Lintels)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	3.000	7.500	0.250	0.150	1.000	0.844	-
ii	S/W	3.000	7.300	0.250	0.150	1.000	0.821	-
iii	Kitchen & toilet partition	1.000	2.700	0.250	0.150	1.000	0.101	-
iv	Staircase & passage	1.000	1.530	0.250	0.150	1.000	0.057	-
Total Quantity					1.823625 cum (cum)		1.823625 Cum (Cubic Meter)	
Amount					1.823625 X 13986.084158574		25505.37	

4. R.C.C. Work (AR0404Ag) : First Floor

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 Roof slab, landing, balcony, sun shade)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof Slab	1.000	9.050	8.400	0.125	1.000	9.503	-
ii	Window slab	4.000	1.050	0.500	0.075	1.000	0.158	-
iii	Landing	1.000	2.900	1.050	0.125	1.000	0.381	-
Total Quantity					10.040625 cum (cum)		10.040625 Cum (Cubic Meter)	
Amount					10.040625 X 13551.204369605		136062.56	

5. R.C.C. Work (AR0409) : First floor

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	Column	54.000	5.250	0.000	0.000	0.890	252.315	-
ii	Stirrups	260.000	1.200	0.000	0.000	0.395	123.240	-
iii	Lintel L/W	18.000	8.000	0.000	0.000	0.890	128.160	-
iv	S/W	18.000	7.800	0.000	0.000	0.890	124.956	-
v	Partition kitchen & toilet	6.000	2.900	0.000	0.000	0.890	15.486	-
vi	Stair case & passage	12.000	1.800	0.000	0.000	0.890	19.224	-
vii	Stirrups	251.000	0.670	0.000	0.000	0.395	66.427	-
viii	Slab beam L/W	18.000	8.000	0.000	0.000	0.890	128.160	-
ix	S/W	18.000	7.800	0.000	0.000	0.890	124.956	-
x	Partition kitchen & toilet	6.000	2.900	0.000	0.000	0.890	15.486	-
xi	Staircase & passage	18.000	1.800	0.000	0.000	0.890	28.836	-

xii	Stirrups	22.000	0.870	0.000	0.000	0.395	7.560	-
xiii	Roof slab mainbar	90.000	8.400	0.000	0.000	0.620	468.720	-
xiv	Slab distribution	84.000	9.050	0.000	0.000	0.395	300.279	-
xv	Window chajja	36.000	1.200	0.000	0.000	0.620	26.784	-
xvi	Distribution	20.000	0.950	0.000	0.000	0.395	7.505	-
xvii	Front side chajja	12.000	9.050	0.000	0.000	0.395	42.897	-
xviii	Distribution	12.000	8.400	0.000	0.000	0.395	39.816	-
xix		24.000	6.000	0.000	0.000	0.620	89.280	-
xx		40.000	1.400	0.000	0.000	0.395	22.120	-
Total Quantity					2032.20745 Kg (Kilo Gram)		20.3220745 Qntl (Quintal)	
Amount					20.3220745 X 8437.4807635		171467.11	
6. Plastering (AR1004) : First Floor								
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 L/W	2.000	7.750	0.000	3.200	1.000	49.600	-
ii	S/W	2.000	7.550	0.000	3.200	1.000	48.320	-
Total Quantity					97.92 Sqm (Sqm)		97.92 Sqm (Square Meter)	
Amount					97.92 X 172.595248446		16900.53	
7. Other Building Items. (AR1902) : First Floor								
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	Inside drawing hall	2.000	7.850	0.000	3.000	1.000	47.100	-
ii	Master bed room	2.000	6.700	0.000	3.000	1.000	40.200	-
iii	Bed room	2.000	6.100	0.000	3.000	1.000	36.600	-
iv	Kitchen	2.000	5.200	0.000	3.000	1.000	31.200	-
v	Toilet	3.000	3.950	0.000	3.000	1.000	35.550	-
vi	Passage	2.000	3.100	0.000	3.000	0.000	18.600	-
vii	D	3.000	1.050	0.000	2.100	0.000	-	6.615
viii		3.000	0.900	0.000	2.100	0.000	-	5.670
ix		4.000	0.900	0.000	1.200	0.000	-	4.320
x	celing	2.000	3.650	0.000	3.050	0.000	22.265	-
xi	hall	1.000	4.000	0.000	3.900	0.000	15.600	-
xii	kitchen	1.000	2.750	0.000	2.450	0.000	6.738	-
xiii	toilet	1.000	1.850	0.000	1.200	0.000	2.220	-
Total Quantity					239.4675 Sqm (Sqm)		239.4675 Sqm (Square Meter)	
Amount					239.4675 X 80.8676902		19365.18	
8. Painting (AR0922) : First Floor								
Finishing wall two coats with distemper 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	Outside L/W	2.000	7.750	0.000	3.000	1.000	46.500	-
ii	S/W	2.000	7.550	0.000	3.000	1.000	45.300	-

iii	Inside Drawing hall	2.000	7.850	0.000	3.000	1.000	47.100	-	
iv	Master bed room	2.000	6.700	0.000	3.000	1.000	40.200	-	
v	Bed room	2.000	6.100	0.000	3.000	1.000	36.600	-	
vi	Kitchen	2.000	5.200	0.000	3.000	1.000	31.200	-	
vii	Toilet	3.000	3.950	0.000	3.200	1.000	37.920	-	
viii	Passage	2.000	3.100	0.000	3.200	1.000	19.840	-	
ix	D both side	6.000	1.050	0.000	2.100	1.000	-	13.230	
x		6.000	0.900	0.000	2.100	1.000	-	11.340	
xi		8.000	0.900	0.000	1.200	1.000	-	8.640	
Total Quantity					271.45 Sqm (Sqm)		271.45 Sqm (Square Meter)		
Amount					271.45 X 80.667697575		21897.25		

9. Other Building Items. (AR1901B) : First floor

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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Master bed room	1.000	3.650	3.050	0.000	1.000	11.133	-
ii	Bed room	1.000	3.050	3.050	0.000	1.000	9.303	-
iii	Drawing room	1.000	3.960	3.890	0.000	1.000	15.404	-
iv	Kitchen	1.000	2.750	2.450	0.000	0.000	6.738	-
v	Kitchen slab	1.000	2.500	0.600	0.000	0.000	1.500	-
vi		1.000	2.500	0.600	0.000	0.000	1.500	-
vii	verandah	1.000	4.750	3.050	0.000	0.000	14.488	-

viii		1.000	4.320	3.050	0.000	0.000	13.176	-
Total Quantity					73.2404 Sqm (Sqm)		73.2404 Sqm (Square Meter)	
Amount					73.2404 X 1027.706448471		75269.63	
10. Flooring (AR0817aa) : First floor								
Fixing Vitrified 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 Vitrified tiles including rubbing and polishing complete including cost of precast tiles.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Dado	2.000	6.700	0.000	0.150	1.000	2.010	-
ii		2.000	6.100	0.000	0.150	0.000	1.830	-
iii		2.000	7.850	0.000	0.150	0.000	2.355	-
iv		2.000	5.200	0.000	0.600	0.000	6.240	-
Total Quantity					12.435 Sqm (Sqm)		12.435 Sqm (Square Meter)	
Amount					12.435 X 1575.884235816		19596.12	
11. 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	4.000	0.900	2.100	35.000	0.000	264.600	-
ii	windows	4.000	0.900	1.200	45.000	0.000	194.400	-
iii	grill	1.000	0.750	1.200	15.000	0.000	13.500	-
iv	ventilation	5.000	0.450	0.600	15.000	0.000	20.250	-
Total Quantity					492.75 Kg (Kilo Gram)		4.9275 Qntl (Quintal)	

Amount						4.9275 X 15752.169897087	77618.82	
12. Plastering (AR1014) : First Floor								
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	Inside drawing room	2.000	7.850	0.000	3.200	1.000	50.240	-
ii	Master bed room	2.000	6.700	0.000	3.200	1.000	42.880	-
iii	Bed room	2.000	6.100	0.000	3.200	1.000	39.040	-
iv	Kitchen	2.000	5.200	0.000	3.200	1.000	33.280	-
v	Toilet	2.000	3.950	0.000	3.200	1.000	25.280	-
vi	Passage	2.000	3.950	0.000	3.200	1.000	25.280	-
vii	D both side	6.000	1.050	0.000	2.100	1.000	13.230	-
viii		6.000	0.900	0.000	2.100	1.000	11.340	-
ix		8.000	0.900	0.000	1.200	1.000	8.640	-
Total Quantity					249.21 Sqm (Sqm)		249.21 Sqm (Square Meter)	
Amount						249.21 X 248.60502691	61954.86	
13. R.C.C. Work (AR0404Ae) : First Floor								
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 Stairs excluding landing but including railing)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Flight	2.000	3.500	1.425	0.125	1.000	1.247	-
ii	Steps	21.000	1.425	0.250	0.150	0.500	0.561	-

Total Quantity	1.80796875 cum (cum)	1.80796875 Cum (Cubic Meter)
Amount	1.80796875 X 15517.762016666	28055.63
Total Amount		885666.93
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		
Provision for Contingency (+) @		9000.00
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		14000.00
Grand Net Total Amount		899666.93

SISIRA SABAR
JE
Karlamunda Block

SANDEEP KUMAR NAIK
AEE
Karlamunda Block

Miss Sucharita Mugri
BDO
Karlamunda Block