

Detailed Estimate

OD/344/3280/115674/403765/00075361 : Const. of Market Complex with 04 Nos. of Rooms

Block : Kaniha, Gram Panchayat : Deranga

Created By:Kartik Chandra Mallik

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	10.000	4.000	4.000	4.000	0.000	640.000	-	
ii	LLong wall	2.000	44.500	2.500	2.500	0.000	556.250	-	
iii	Short wall	5.000	11.580	2.500	2.500	0.000	361.875	-	
iv	column	10.000	4.000	2.500	2.500	0.000	-	250.000	
v	verandah	1.000	44.500	2.000	2.000	0.000	178.000	-	
vi		2.000	4.000	2.000	2.000	0.000	32.000	-	
Total Quantity					1518.125 Cft (Cubic Foot)		42.988442 Cum (Cubic Meter)		
Amount					42.988442 X 240.77592		10350.58		
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	10.000	4.000	4.000	0.500	0.000	80.000	-	
ii	llong wall	2.000	44.500	2.500	0.500	0.000	111.250	-	
iii	short wall	5.000	11.580	2.500	0.500	0.000	72.375	-	

iv	ver	1.000	44.500	2.000	0.500	0.000	44.500	-	
v		2.000	4.000	2.000	0.500	0.000	8.000	-	
vi	plinth	4.000	10.000	10.000	3.000	0.000	1200.000	-	
vii	ver	1.000	42.830	3.160	2.500	0.000	338.357	-	
viii	column	10.000	4.000	2.500	0.500	0.000	-	50.000	
Total Quantity					1804.482 Cft (Cubic Foot)		51.0971558976 Cum (Cubic Meter)		
Amount					51.0971558976 X 706.397232		36094.89		

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	10.000	4.000	4.000	0.500	0.000	80.000	-	
ii	long wall	2.000	44.500	2.500	0.500	0.000	111.250	-	
iii	short wall	5.000	11.580	2.500	0.500	0.000	72.375	-	
iv	ver	1.000	44.500	2.000	0.500	0.000	44.500	-	
v		2.000	4.000	2.000	0.500	0.000	8.000	-	
vi	plinth	4.000	10.000	10.000	0.330	0.000	132.000	-	
vii		1.000	42.830	3.160	0.330	0.000	44.663	-	
viii	column	10.000	4.000	2.500	0.500	0.000	-	50.000	
Total Quantity					442.788124 Cft (Cubic Foot)		12.538342749683 Cum (Cubic Meter)		
Amount					12.538342749683 X 5398.10300238		67683.27		

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.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	10.000	4.000	4.000	0.750	0.000	120.000	-
ii		10.000	2.000	2.000	1.000	0.000	40.000	-
iii		10.000	1.250	1.250	3.000	0.000	46.875	-
Total Quantity					206.875 Cft (Cubic Foot)		5.858038 Cum (Cubic Meter)	
Amount					5.858038 X 5883.6929186391		34466.90	

5. 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 centring 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	Long wall	2.000	44.500	0.830	0.830	0.000	61.312	-
ii	short wall	5.000	11.580	0.830	0.830	0.000	39.887	-
iii		10.000	0.830	0.830	0.830	0.000	-	5.718
Total Quantity					95.48154 Cft (Cubic Foot)		2.703731671872 Cum (Cubic Meter)	
Amount					2.703731671872 X 6640.5150437808		17954.17	

6. 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 centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	10.000	0.830	0.830	9.500	0.000	65.446	-
ii	wall beam	2.000	44.500	0.830	0.500	0.000	36.935	-
iii	short wall	5.000	11.580	0.830	0.500	0.000	24.029	-
iv	cantilever	5.000	4.000	0.830	0.500	0.000	8.300	-
Total Quantity					134.709 Cft (Cubic Foot)		3.8145278112 Cum (Cubic Meter)	
Amount					3.8145278112 X 13939.446305959		53172.41	

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 centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	long	1.000	44.500	0.830	0.500	0.000	18.468	-
ii		1.000	44.500	0.830	0.830	0.000	30.656	-
iii		5.000	11.580	0.830	0.500	0.000	24.029	-
Total Quantity					73.15205 Cft (Cubic Foot)		2.07143196944 Cum (Cubic Meter)	
Amount					2.07143196944 X 12547.97714717		25992.28	

8. 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 centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	45.500	16.420	0.420	0.000	313.786	-
Total Quantity					313.7862 Cft (Cubic Foot)		8.88542106816 Cum (Cubic Meter)	
Amount					8.88542106816 X 12185.577323029		108273.99	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Rod	1.000	23.530	0.000	0.000	0.000	23.530	-
Total Quantity					23.53 Qntl (Quintal)		23.53 Qntl (Quintal)	
Amount					23.53 X 8640.6246087		203313.90	

10. 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/cm² 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	Long wall	2.000	44.500	1.250	2.500	0.000	278.125	-
ii	Short wall	5.000	11.580	1.250	2.500	0.000	180.938	-
iii	ver	1.000	44.500	0.830	2.750	0.000	101.571	-
iv		2.000	3.160	0.830	2.750	0.000	14.425	-
v	column	10.000	1.250	1.250	2.500	0.000	-	39.063

Total Quantity	535.99665 Cft (Cubic Foot)	15.17770993872 Cum (Cubic Meter)
Amount	15.17770993872 X 5146.251240984	78108.31

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 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	long wall	2.000	44.500	0.830	9.500	0.000	701.765	-
ii	short	5.000	11.580	0.830	9.500	0.000	456.542	-
iii	Shutter	4.000	8.000	0.830	7.910	0.000	-	210.090
iv	column	10.000	0.830	0.830	9.500	0.000	-	65.446

Total Quantity	882.7714 Cft (Cubic Foot)	24.99726117952 Cum (Cubic Meter)
Amount	24.99726117952 X 5179.581240984	129475.35

12. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	ceiling	4.000	10.000	10.000	0.000	0.000	400.000	-
ii		1.000	55.500	4.000	0.000	0.000	222.000	-

Total Quantity	622 Sft (Square Foot)	57.785666 Sqm (Square Meter)
Amount	57.785666 X 187.7088937384	10846.88

13. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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	wall	2.000	44.500	10.500	0.000	0.000	934.500	-
ii		2.000	11.580	10.500	0.000	0.000	243.180	-
iii		3.000	10.000	10.500	0.000	0.000	315.000	-
iv	deduction	4.000	8.000	7.910	0.000	0.000	-	253.120
Total Quantity					1239.56 Sft (Square Foot)		115.15884268 Sqm (Square Meter)	
Amount					115.15884268 X 168.3769896676		19390.10	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	8.000	10.000	10.500	0.000	0.000	840.000	-
ii		5.000	10.000	10.500	0.000	0.000	525.000	-
iii	plinth	1.000	44.500	3.000	0.000	0.000	133.500	-
iv		2.000	11.580	3.000	0.000	0.000	69.480	-
v	shutter	4.000	8.000	7.910	0.000	0.000	-	253.120
Total Quantity					1314.86 Sft (Square Foot)		122.15443858 Sqm (Square Meter)	
Amount					122.15443858 X 242.332768946		29602.02	

15. miscellaneous (ARM031) : Labour for fitting and fixing-departmental shutters excluding cost of fixing and fitting Chaukath

Labour for fitting and fixing-departmental shutters excluding cost of fixing and fitting Chaukath but including mending size of grooves in chaukaths and size of shutters,etc. complete (Doors and Window) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	shutter	4.000	8.000	7.910	0.000	0.000	253.120	-
Total Quantity					253.12 Sft (Square Foot)		23.51560736 Sqm (Square Meter)	
Amount					23.51560736 X 32.03		753.20	

16. 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	shutter	1.000	5.330	1.000	0.000	0.000	5.330	-
Total Quantity					5.33 Qntl (Quintal)		5.33 Qntl (Quintal)	
Amount					5.33 X 15985.338901087		85201.86	

17. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	4.000	10.000	10.000	0.000	0.000	400.000	-
ii	ver	1.000	44.500	4.000	0.000	0.000	178.000	-
Total Quantity					578 Sft (Square Foot)		53.697934 Sqm (Square Meter)	
Amount					53.697934 X 354.0066975676		19009.43	

18. Painting (AR0901bi) : First Floor

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	shutter	4.000	8.000	7.910	0.000	2.000	506.240	-
Total Quantity					506.24 Sft (Square Foot)		47.03121472 Sqm (Square Meter)	
Amount					47.03121472 X 69.041426619445		3247.10	
19. 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	shutter	4.000	8.000	7.910	0.000	2.000	506.240	-
Total Quantity					506.24 Sft (Square Foot)		47.03121472 Sqm (Square Meter)	
Amount					47.03121472 X 164.25024333952		7724.89	
20. 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	total quantity	1.000	296.090	0.000	0.000	0.000	296.090	-
Total Quantity					296.09 Sqm (Sqm)		296.09 Sqm (Square Meter)	
Amount					296.09 X 156.89114311851		46453.90	
Total Amount							987115.41	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								

Provision for Contingency (+) @	2467.79
Display Citizen Board (+) @	545.54
Any Other Lumpsum (+) @	9871.15
Provision for survey investigation and quality control (+) @	
Total Addition	12884.48
Grand Net Total Amount	999999.89

Kartik Chandra Mallik
JE
Kaniha Block

CHINMAYAE KUMAR MISHRA
AEE
Kaniha Block

TRIBIKRAM KUMURA
BDO
Kaniha Block