

Detailed Estimate

OD/367/3527/120676/406660/00013804 : SANKHEI MARKET COMPLEX

Block : Nayagarh, Gram Panchayat : Notar

Created By:Manoja Kumar Sethi

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	8.000	1.200	1.200	1.200	1.000	13.824	-
ii	L.W	2.000	6.300	0.750	0.800	1.000	7.560	-
iii	S.W	2.000	2.700	0.750	0.800	1.000	3.240	-
iv	VER	1.000	10.150	0.300	0.450	1.000	1.370	-
v	VER SW	2.000	1.150	0.300	0.450	1.000	0.311	-
Total Quantity					26.30475 cum (cum)		26.30475 Cum (Cubic Meter)	
Amount					26.30475 X 240.77592		6333.55	
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	8.000	1.200	1.200	0.150	1.000	1.728	-
ii	L.W	2.000	6.300	0.750	0.150	1.000	1.418	-
iii	S.W	2.000	2.700	0.750	0.150	1.000	0.608	-
iv	VER	1.000	10.150	0.300	0.150	1.000	0.457	-
v	VER SW	2.000	1.150	0.300	0.150	1.000	0.104	-
vi	Inside Room	1.000	9.650	3.650	1.060	1.000	37.336	-
vii	Inside Room	3.000	3.050	3.650	0.200	1.000	6.680	-

viii	Ver	1.000	9.650	1.200	1.200	1.000	13.896	-
Total Quantity					62.2246 cum (cum)		62.2246 Cum (Cubic Meter)	
Amount					62.2246 X 780.783732		48583.96	
3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	8.000	1.200	1.200	0.150	1.000	1.728	-
ii	L.W	2.000	6.750	0.750	0.150	1.000	1.519	-
iii	S.W	2.000	2.850	0.750	0.150	1.000	0.641	-
iv	VER	1.000	10.150	0.300	0.150	1.000	0.457	-
v	VER SW	2.000	1.150	0.300	0.150	1.000	0.104	-
vi	Inside Room	3.000	3.050	3.650	0.150	1.000	5.010	-
vii	Ver	1.000	9.650	1.200	0.150	1.000	1.737	-
Total Quantity					11.194875 cum (cum)		11.194875 Cum (Cubic Meter)	
Amount					11.194875 X 5171.4398043		57893.62	
4. 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	LW 1ST FOOTING	2.000	7.500	0.600	0.300	1.000	2.700	-
ii	SW 1ST FOOTING	2.000	3.300	0.600	0.300	1.000	1.188	-
iii	LW 2ND FOOTING	2.000	9.150	0.400	0.300	1.000	2.196	-

iv	SW 2ND FOOTING	2.000	3.650	0.400	0.300	1.000	0.876	-
v	VER	1.000	10.150	0.250	1.500	1.000	3.806	-
vi	VER	2.000	1.150	0.250	1.350	1.000	0.776	-
vii	LW 3RD FOOTING	1.000	9.150	0.250	1.360	1.000	3.111	-
viii	SW 3RD FOOTING	4.000	3.650	0.250	1.360	1.000	4.964	-
Total Quantity					19.6175 cum (cum)		19.6175 Cum (Cubic Meter)	
Amount					19.6175 X 5033.95815384		98753.67	

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 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 BASE	8.000	1.050	1.050	0.300	1.000	2.646	-
ii	BASE	8.000	0.600	0.600	0.300	1.000	0.864	-
Total Quantity					3.51 cum (cum)		3.51 Cum (Cubic Meter)	
Amount					3.51 X 6003.5339553975		21072.40	

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 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	PB LW	2.000	9.150	0.250	0.300	1.000	1.373	-
ii	PB SW	4.000	3.650	0.250	0.300	1.000	1.095	-
Total Quantity					2.4675 cum (cum)		2.4675 Cum (Cubic Meter)	

Amount							2.4675 X 6760.3560805392	16681.18
7. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COL	8.000	0.250	0.250	4.700	1.000	2.350	-
ii	ROOF BAND	2.000	9.150	0.250	0.200	1.000	0.915	-
iii	ROOF BAND SW	4.000	4.850	0.250	0.200	1.000	0.970	-
Total Quantity					4.235 cum (cum)		4.235 Cum (Cubic Meter)	
Amount							4.235 X 14059.287342717	59541.08
8. R.C.C. Work (AR0404Bd) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Lintels)(Nominal mix as per IS-456, Table-9).								
Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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)(Nominal mix as per IS-456, Table-9).								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	LINTEL LW	2.000	9.150	0.250	0.150	1.000	0.686	-
ii		2.000	4.150	0.250	0.150	0.000	0.311	-
Total Quantity					0.9975 cum (cum)		0.9975 Cum (Cubic Meter)	
Amount							0.9975 X 12667.818183928	12636.15
9. R.C.C. Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).								
Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction

i	slab	1.000	10.450	5.750	0.125	1.000	7.511	-
ii	FIN	1.000	10.150	0.600	0.075	1.000	0.457	-
Total Quantity					7.9676875 cum (cum)		7.9676875 Cum (Cubic Meter)	
Amount					7.9676875 X 12305.418359788		98045.73	

10. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	10.450	5.750	0.000	1.000	60.088	-
Total Quantity					60.0875 Sqm (Sqm)		60.0875 Sqm (Square Meter)	
Amount					60.0875 X 273.326479568		16423.50	

11. 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	3.000	3.050	3.650	0.000	1.000	33.398	-
ii	VER	1.000	9.650	1.800	0.000	1.000	17.370	-
Total Quantity					50.7675 Sqm (Sqm)		50.7675 Sqm (Square Meter)	
Amount					50.7675 X 191.862628384		9740.39	

12. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	OUTSIDE	2.000	10.150	3.200	0.000	1.000	64.960	-
ii	SW	2.000	4.150	3.200	0.000	1.000	26.560	-

iii	DEDUCTION DOOR	3.000	2.100	2.400	0.000	0.500	-	7.560	
iv	SW	2.000	3.650	3.050	0.000	1.000	22.265	-	
v	STEPS	3.000	2.100	1.350	0.000	1.000	8.505	-	
Total Quantity					114.73 Sqm (Sqm)		114.73 Sqm (Square Meter)		
Amount					114.73 X 172.965007426		19844.28		

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	
i	INSIDE	6.000	3.050	3.050	0.000	1.000	55.815	-	
ii	SW	4.000	3.650	3.050	0.000	1.000	44.530	-	
iii	DEDUCTION DOOR	1.500	2.100	2.400	0.000	1.000	-	7.560	
Total Quantity					92.785 Sqm (Sqm)		92.785 Sqm (Square Meter)		
Amount					92.785 X 247.84224461		22996.04		

14. 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	ROLLING SHUTTER	3.000	2.100	2.400	0.000	55.000	831.600	-	
Total Quantity					831.6 Kg (Kilo Gram)		8.316 Qntl (Quintal)		
Amount					8.316 X 16248.316237087		135121.00		

15. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	TOTAL PLASTER QUANTITY	1.000	249.760	1.000	0.000	1.000	249.760	-
Total Quantity					249.76 Sqm (Sqm)		249.76 Sqm (Square Meter)	
Amount					249.76 X 71.83248932951		17940.88	
16. 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	12MM PLASTER QUANTITY	1.000	106.220	1.000	0.000	1.000	106.220	-
Total Quantity					106.22 Sqm (Sqm)		106.22 Sqm (Square Meter)	
Amount					106.22 X 87.8656910875		9333.09	
17. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)								
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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	6MM & 12MM PLASTER QUANTITY	1.000	143.540	1.000	0.000	1.000	143.540	-
Total Quantity					143.54 Sqm (Sqm)		143.54 Sqm (Square Meter)	
Amount					143.54 X 78.835517175		11316.05	
18. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	VER FLOOR	1.000	10.150	1.450	0.000	1.000	14.718	-
ii	ROOM FLOOR	1.000	9.650	3.650	0.000	1.000	35.223	-
iii	STEPS	3.000	2.100	1.350	0.000	1.000	8.505	-

Total Quantity			58.445 Sqm (Sqm)				58.445 Sqm (Square Meter)	
Amount			58.445 X 357.003480526				20865.07	
19. 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	LW	1.000	9.150	0.250	2.700	1.000	6.176	-
ii	SW	4.000	3.650	0.250	2.850	1.000	10.403	-
iii	SHUTTER	3.000	2.100	0.250	2.400	1.000	-	3.780
iv	VER	1.000	9.150	0.250	2.850	1.000	6.519	-
v	STEPS	3.000	2.100	0.900	0.150	1.000	0.851	-
vi	STEPS	3.000	2.100	0.600	0.150	1.000	0.567	-
vii	STEPS	3.000	2.100	0.300	0.150	1.000	0.284	-
Total Quantity					21.019125 cum (cum)		21.019125 Cum (Cubic Meter)	
Amount					21.019125 X 5067.28815384		106509.96	
20. 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	Rod	1.000	20.000	0.000	0.000	100.000	2000.000	-
Total Quantity					2000 Kg (Kilo Gram)		20 Qntl (Quintal)	
Amount					20 X 8929.3601565		178587.20	
Total Amount							968218.81	
Addition								
Provision for PH Work (+) @								

Provision for EI Work (+) @	24281.00
Provision for Contingency (+) @	0.00
Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	4500.00
Total Addition	31781.00
Grand Net Total Amount	999999.81