

DETAILED AND ABSTRACT ESTIMATE:-

ESTIMATE COST FOR THE PROPOSED CONSTRUCTION OF R.C.C ROOF RESIDENTIAL BUILDING IN GROUND FLOOR AT R.S.F.No: 503/1A1, SITE No:116 WEST PART, "POLYTECHNIC NAGAR" AT NANJAIUTHUKULI "B" VILLAGE AND NANJAIUTHUKULI PANCHAYAT, MODAKKURICHI TALUK, ERODE DISTRICT.

Applicant :

Mr.P.MANIKANDAN., S/o.Mr.PERIYASAMY

DATE: 27.07.2024

ESTIMATE AMOUNT:RS = 30,00,000.00

- 1 Earth work excavation for foundation in all kind of soils with initial lead and lift to required depth except rock blastering etc.,

Allround wall	1	x	1	42.37	0.48	0.30	6.10	Cu.M
Cross wall	1	x	1	6.80	0.48	0.30	0.98	Cu.M
Cross wall	1	x	3	2.70	0.48	0.30	1.17	Cu.M
Cross wall	1	x	1	5.40	0.48	0.30	0.78	Cu.M
							Total	9.02 Cu.M

9.02	Cu.M	@ Rs.	600	Per	Cu.M	5415.00
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- 2 Cement concrete 1:5:10 mix using 40mm HBG metal for foundation including cost and conveyance of all materials to site and all labour charges including mixing, laying consolidating and curing etc., complete as per standard specification

Allround wall	1	x	1	42.37	0.48	0.15	3.05	Cu.M
Cross wall	1	x	1	6.80	0.48	0.15	0.49	Cu.M
Cross wall	1	x	3	2.70	0.48	0.15	0.58	Cu.M
Cross wall	1	x	1	5.40	0.48	0.15	0.39	Cu.M
							Total	4.51 Cu.M

4.51	Cu.M	@ Rs.	5500	Per	Cu.M	24817.00
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- 3 Random rubble masonry in cement mortar 1:7 mix for foundation using best quality of new rough stone including pointing, curing, cost and conveyance of all materials to site and labour charges etc., complete as per standard specification

Allround wall	1	x	1	42.37	0.76	1.52	48.95	Cu.M
Cross wall	1	x	1	6.80	0.76	1.52	7.86	Cu.M
Cross wall	1	x	3	2.70	0.76	1.52	9.36	Cu.M
Cross wall	1	x	1	5.40	0.76	1.52	6.24	Cu.M
							Total	72.40 Cu.M

72.40	Cu.M	@ Rs.	4500	Per	Cu.M	325784.00
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- 4 Coursed Rubble Masonry in C:M 1:7 for Basement including simultaneously pointing, curing, cost of conveyance, materials and labours etc., complete.

Allround wall	1	x	1	42.37	0.45	0.61	11.63	Cu.M
Cross wall	1	x	1	6.80	0.45	0.61	1.87	Cu.M
Cross wall	1	x	3	2.70	0.45	0.61	2.22	Cu.M
Cross wall	1	x	1	5.40	0.45	0.61	1.48	Cu.M
							Total	17.20 Cu.M

17.20	Cu.M	@ Rs.	5000	Per	Cu.M	85980.00
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- 5 Earth Filling for basement with including cost and conveyance of all material to site and all other labour charge etc. complete.

M.Bed Room	1	x	1	2.50	4.90	0.46	5.64	Cu.M
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Kitchen	1	x	1	2.40	3.00	0.46	3.31	Cu.M
Dinning	1	x	1	2.40	3.40	0.46	3.75	Cu.M
Toilet	1	x	1	2.50	3.50	0.46	4.03	Cu.M
Hall	1	x	1	5.20	5.20	0.46	12.44	Cu.M
Bed Room	1	x	1	2.50	3.40	0.46	3.91	Cu.M
Portico	1	x	1	2.70	5.40	0.46	6.71	Cu.M
Staircase	1	x	1	1.80	2.90	0.46	2.40	Cu.M
							Total	42.18 Cu.M
42.18	Cu.M	@	Rs.	600	Per	Cu.M		

25309.00

- 6 Cement Concrete 1:4:8 using 40 mm HBS stone metal for flooring including laying, consolidation, finishing, curing etc., with all materials and labours complying with standard specifications.

M.Bed Room	1	x	1	2.50	4.90	0.10	1.23	Cu.M
Kitchen	1	x	1	2.40	3.00	0.10	0.72	Cu.M
Dinning	1	x	1	2.40	3.40	0.10	0.82	Cu.M
Toilet	1	x	1	2.50	3.50	0.10	0.88	Cu.M
Hall	1	x	1	5.20	5.20	0.10	2.70	Cu.M
Bed Room	1	x	1	2.50	3.40	0.10	0.85	Cu.M
Portico	1	x	1	2.70	5.40	0.10	1.46	Cu.M
Staircase	1	x	1	1.80	2.90	0.10	0.52	Cu.M
							Total	9.17 Cu.M
9.17	Cu.M	@	Rs.	8500	Per	Cu.M		

77945.00

- 7 Brick work in cement mortar 1:6 mix using best quality of first class chamber burnt bricks for super structure including curing, scaffolding and conveyance of all material to site and all labour charges etc., complete as per standard specification

Ground Floor								
Allround wall	1	x	1	42.37	0.23	3.05	29.72	Cu.M
Cross wall	1	x	1	6.80	0.23	3.05	4.77	Cu.M
Cross wall	1	x	3	2.70	0.23	3.05	5.68	Cu.M
Cross wall	1	x	1	5.40	0.23	3.05	3.79	Cu.M
Parapet wall	1	x	1	42.37	0.23	1.22	11.89	Cu.M
Deduction :								
Main Door - M.D	1	x	-1	1.20	0.23	2.13	-0.59	Cu.M
Door - D1	1	x	-2	0.76	0.23	2.13	-0.74	Cu.M
Door - D	1	x	-2	0.91	0.12	2.13	-0.47	Cu.M
Open - o	1	x	-1	1.22	0.12	2.13	-0.31	Cu.M
Open - o	1	x	-1	0.91	0.12	2.13	-0.23	Cu.M
Window - W1	1	x	-5	1.22	0.23	1.22	-1.71	Cu.M
Window - W	1	x	-1	1.83	0.23	1.22	-0.51	Cu.M
Ventilator- V	1	x	-2	0.60	0.23	0.30	-0.08	Cu.M
							Total	51.20 Cu.M
51.20	Cu.M	@	Rs.	8000	Per	Cu.M		

409615.00

- 8 R.C.C. M15 mix concrete (1:2:4 using 20mm HBG metal) for footing, Plinth, Lintel & Roof Beam, Roof Slab & Column including Shuttering, form work & Scaffolding work with using MS sheets and wooden props including cost of steel reinforcement as specified and conveyance of all materials to site and all other labour charges etc., complete.

Ground Floor								
Lintel Beam	1	x	1	42.37	0.23	0.15	1.46	Cu.M
Sunshade 1	1	x	7	1.53	0.60	0.08	0.51	Cu.M
Beam	1	x	1	42.37	0.23	0.30	2.92	Cu.M
Roof slab	1	x	1	5.60	17.80	0.15	14.95	Cu.M
							Total	19.85 Cu.M
19.85	Cu.M	@	Rs.	26500	Per	Cu.M		

526061.00

- 9 Ceiling Plastering in C.M. 1:3 for RCC exposed surface & Wall Plastering in C.M. 1:5 for inner and outer walls including cost of scaffolding, conveyance, material and labours etc., complete.

I	Ground Floor							
a.	Ceiling Plastering							
	M.Bed Room	1	x	1	2.50	4.90	-	12.25 Sq.M
	Kitchen	1	x	1	2.40	3.00	-	7.20 Sq.M
	Dinning	1	x	1	2.40	3.40	-	8.16 Sq.M
	Toilet	1	x	1	2.50	3.50	-	8.75 Sq.M
	Hall	1	x	1	5.20	5.20	-	27.04 Sq.M
	Bed Room	1	x	1	2.50	3.40	-	8.50 Sq.M
	Portico	1	x	1	2.70	5.40	-	14.58 Sq.M
	Staircase	1	x	1	1.80	2.90	-	5.22 Sq.M
b.	Wall Plastering							
	Allround wall	1	x	1	42.37	-	3.05	129.23 Sq.M
	Cross wall	1	x	1	6.80	-	3.05	20.74 Sq.M
	Cross wall	1	x	3	2.70	-	3.05	24.71 Sq.M
	Cross wall	1	x	1	5.40	-	3.05	16.47 Sq.M
c.	Deduction :							
	Main Door - M.D	2	x	-1	1.20	-	2.13	-5.11 Sq.M
	Door - D1	2	x	-2	0.76	-	2.13	-6.48 Sq.M
	Door - D	2	x	-2	0.91	-	2.13	-7.75 Sq.M
	Open - o	2	x	-1	1.22	-	2.13	-5.20 Cu.M
	Open - o	2	x	-1	0.91	-	2.13	-3.88 Cu.M
	Window - W1	2	x	-5	1.22	-	1.22	-14.88 Sq.M
	Window - W	2	x	-1	1.83	-	1.22	-4.47 Sq.M
	Ventilator- V	2	x	-2	0.60	-	0.30	-0.72 Sq.M
								234.36 Sq.M
	234.36 Sq.M @ Rs.			600	Per	Sq.M		140616.00

- 10 Supplying and fixing of Country wood joineries for Doors, Windows and Ventilators including cost of wood, flush/panelled shutters, glass, MS grills with all furniture fittings including conveyance materials and labours etc., complete.

Ground Floor								
Main Door - M.D	1	x	1	1.20	-	2.13	2.56	Sq.M
Door - D1	1	x	2	0.76	-	2.13	3.24	Sq.M
Door - D	1	x	2	0.91	-	1.22	2.22	Sq.M
Window - W1	1	x	5	1.50	-	1.22	9.15	Sq.M
Window - W	1	x	1	1.83	-	1.22	2.23	Sq.M
Ventilator- V	1	x	2	0.60	-	0.30	0.36	Sq.M
19.76		Sq.M					19.76	Sq.M
19.76		Sq.M @ Rs.		6000	Per	Sq.M		

- 11 Enamel Painting work for Doors, windows and ventilators including cost and conveyance of all materials to site and all other labour charges etc., complete.

Ground Floor								
As per Item No. 10(I)x 2.5	1	x	2.5	19.76		-	49.39	Sq.M
						Total	49.39	Sq.M
49.39	Sq.M	@	Rs.	1500	Per	Sq.M		

- 12 Virtified tile floor finishing with 2'x2' tiles laid over cement mortar and cost of conveyance of all material to site includes labour charge etc., complete.

a.	Ground Floor							
	As per Item No. 9(Ia)						91.70	Sq.M
						Total	91.70	Sq.M
	91.70 Sq.M @ Rs.			3150	Per	Sq.M		288855.00

- 13 Two coats of white wash for ceiling and wall surface Two coats of Emulsion for inner & two coats of weather sheild painting for outer walls over one coat of white wash including materials and labours etc., complete.

Ground Floor							
As per Item No.						234.36	Sq.M
9I							
					Total	234.36	Sq.M
234.36	Sq.M	@ Rs.	650	Per	Sq.M		152334.00

- 14 Weathering course using brick jelly & lime mortar in 12cm thick giving required slopes including Top Plastering in CM 1:5 20mm thick etc.,

Floor area	1	x	1	5.60	17.80	-	99.68	Sq.M
						Total	99.68	Sq.M
99.68	Sq.M	@ Rs.	1200	Per	Sq.M			119616.00

- 15 Provision for Electrical arrangements including wiring and fittings etc.,
- 16 Provision for Internal and External water supply & Sanitary arrangements including Pipes and Fittings etc.,
- 17 Provision for Septic Tank, Sump,RWH and Over Head Tank
- 18 Provision for Borewell with Pvc fittings and motor arrangements etc.,
- 19 Provision for Compound Wall & Steel Gate
- 20 Miscellaneous

A	2374974.00
Lumpsum	125000.00
Lumpsum	125000.00
Lumpsum	180000.00
Lumpsum	95000.00
Lumpsum	100000.00
Lumpsum	26.00
B	625026.00

SUMMARY

AS PER APPROVED PLAN

GROUND FLOOR RCC RESIDENTIAL BUILDING	=	1081.84 SQ.FT
TOTAL	=	1081.84 SQ.FT
TOTAL COST OF CONSTRUCTION FOR BUILDING		
1081.84 SQ.FT x Rs 2195.00	=	2374974
COST OF CONSTRUCTION FOR EXTRA AMENITIES	=	625026
A + B = TOTAL AMOUNT	=	Rs. 3,000,000

(SAYS RUPEES THIRTY LAKHS THOUSAND ONLY)

ENGINEER