

NAME OF WORK : PROPOSED CONSTRUCTION OF RESIDENTIAL APARTMENT IN STILT, GROUND ,FIRST,SECOND,THIRD AND FOURTH FLOORS IN Sy.NO 340/7 IN SURVEY NO.143/1B,1C,1D,1E &143/9, SITUATED AT MADHURWADA VILLAGE, UNDER G.V.M.C.LIMITS,VISHAKAPATNAM DISTRICT.					
BELONGS TO					
1) SMT.GUDELA LAKSHMI W/O SRI.BASAVARAJU.					
2) SMT.VANDRASI CHINNA APPARAO ALIAS APPALAKONDA W/O SRI.NARSINGHRAO.					
3) SMT.BAYINA SARSWATHI W/O SRI.VENKATA RAMANA MURTHY.					
ABSTRACT ESTIMATE					
S.NO.	QTY	PARTICULARS	UNIT	RATE	AMOUNT
1	8988.70	Earth work excavation for foundations, plinth beams, cess pits & trenches in all kinds of soil including medium dense clay and medium stiff clay upto the required depth from the existing ground level to the required line, level and grades in both dry and wet conditions including shoring, strutting, bailling, pumping out water from all sources, dressing of sides, ramming of bottom and stacking the excavated material clear from the edges of trenches upto a lead of 100m, including disposal of surplus soil as directed by the engineer, watering, ramming with all leads, lifts etc., complete.	CUM	350.00	3146043.96
	1900.54	Providing anti termite treatment to floors bottom and sides of foundation etc., complete the work shall be carried out by an approved firm specialised in termite / pest control treatment as per I.S. 6313 (Part-II) 1981 specifications. The work shall carry a guarantee for the satisfactory performance of the treatment for a minimum period of 10 years.	SQM	60.00	114032.40
2	4494.35	Transporting and disposing the surplus/unsuitable earth or rock,debris beyond the initial lead of 100m(initial lead upto 100m included in excavation item) including re-excavating the deposited soil,rock,debris,etc.	CUM	210.00	943813.19
3	278.85	Providing and laying cement concrete (1:4:8) using 40 mm and down gauge graded hard granite stone jelly, laid in layers not exceeding 15 cm each and well consolidated in foundation and under flooring including cost and conveyance of all materials labour for laying consolidating, curing etc., complete for finished item of work.	CUM	4200.00	1171162.38
4		Providing and laying mechanically vibrated reinforced cement concrete of (1:11/2:3) nominal mix unless otherwise specified using 6mm to 20mm gauge well graded hard granite machine crushed metal including cost of all materials, mixing laying mechanical vibrating, curing, incidental charges, leads, lifts but excluding the cost of centring, reinforcement steel and fabrication of same complete. But giving minium cube strength of confirming to IS-456-2000 for.			
5	416.66	Column Footings	CUM	5800.00	2416600.89
a					

		Columns :			
b	121.34	Stilt Floor (Pedastals & columns)	CUM	5800.00	703761.97
	24.35	Ground Floor	CUM	5800.00	141222.84
	24.35	First Floor	CUM	5800.00	141222.84
	24.35	Second floor	CUM	5800.00	141222.84
	24.35	Third floor	CUM	5800.00	141222.84
	24.35	Fourth floor	CUM	5800.00	141222.84
	24.35	Fifth floor	CUM	5800.00	141222.84
	5.00	Terrace floor	CUM	5800.00	29000.00
	24.56	Plinth Beams	CUM	5800.00	29000.00
c					
		Roof Slabs :			
d	277.01	Stilt Floor	CUM	5800.00	1606679.75
	131.84	Ground Floor	CUM	5800.00	764668.81
	136.92	First Floor	CUM	5800.00	794116.86
	136.92	Second floor	CUM	5800.00	794116.86
	136.92	Third floor	CUM	5800.00	794116.86
	136.92	Fourth floor	CUM	5800.00	794116.86
	136.92	Fifth floor	CUM	5800.00	794116.86
	5.00	Terrace floor	CUM	5800.00	29000.00
		Roof Beams :			
e	59.04	Stilt Floor	CUM	5800.00	342415.26
	56.40	Ground Floor	CUM	5800.00	327131.48
	59.51	First Floor	CUM	5800.00	345140.48
	59.51	Second floor	CUM	5800.00	345140.48
	59.51	Third floor	CUM	5800.00	345140.48
	59.51	Fourth floor	CUM	5800.00	345140.48
	59.51	Fifth floor	CUM	5800.00	345140.48
	4.00	Terrace floor	CUM	5800.00	23200.00
		R.C.C. Staircase :			
f	14.97	Stilt Floor	CUM	5800.00	86835.89
	14.97	Ground Floor	CUM	5800.00	86835.89
	14.97	First Floor	CUM	5800.00	86835.89
	14.97	Second floor	CUM	5800.00	86835.89
	14.97	Third floor	CUM	5800.00	86835.89
	14.97	Fourth floor	CUM	5800.00	86835.89
	14.97	Fifth floor	CUM	5800.00	86835.89
g		R.C.C. Platforms & Shelves :			
	43.82	All Floors	CUM	5800.00	254135.70
6		Providing and laying mechanically vibrated reinforced cement concrete of (1:2:4) nominal mix unless otherwise specified using 6mm to 20mm gauge well graded hard granite machine crushed metal including cost of all materials, mixing laying mechanical vibrating, curing incidental charges, leads, lifts but excluding the cost of centring & shuttring, reinforcement steel and fabrication of same complete. But giving minimum cube strength of confirming to IS 456-2000 for lintels.			
	39.89	All Floors	CUM	4500.00	179520.62
7		R.C.C. Sun Shades of 7.5 cm. Finished thickness, including plastering all the exposed faces with CM 1:3 prop. 12.5mm thick with necessary drip lines on all three sides excluding the cost of steel & fabrication of same complete.			

	217.99	All Floors	SQM	675.00	147144.09
8	142.60	Providing and fixing of door in teak wood frame of size 125x65mm, teak wood styles and top rail of 100mmx35mm, bottom rail and lock rail of 125x35mm with teak wood shutters as per drawing including cost and conveyance, labour charges for making 6 Nos. of 230mm long M.S hold fasts made out of 40mmx3mm flats fabricated and embedded in C.C block of 30cm x wall thickness x 15cm in (1:2:4) mix including bituminous coat necessary sides for frame etc., complete including all hardware fittings such as butt hinges, tower bolts, handles, door stoppers, aldrops etc. All aluminium hardware fittings approved by the Architects / client.	SQM	10500.00	1497336.75
9	682.92	Providing and fixing of door in Teak wood frame of size 125x65mm, teak wood styles and top rail of 100mmx35mm, bottom rail and lock rail of 125x35mm with flush shutter as per drawing including cost and conveyance, labour charges for making 6 Nos. of 230mm long M.S hold fasts made out of 40mmx3mm flats fabricated and embedded in C.C block of 30cm x wall thickness x 15cm in (1:2:4) mix including bituminous coat necessary sides for frame etc., complete including all hardware fittings such as butt hinges, tower bolts, handles, door stoppers, aldrops etc. of aluminium make including cost of aluminium sheet fixed on the internal side of the shutter. All aluminium hardware fittings approved by the Architects /Client.	SQM	8750.00	5975557.88
10	474.75	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windows / ventilators duly manufactured using UPVC reinforced profiles of 60mm X 62mm X 2.5mm for outer frames, 77mm X 38mm X 2.5mm for sliding shutter frames capable of mounting single / double glazing system,structurally reinforced with hot dip galvanized upto 50 microns of minimum thickness of 1mm prefabricated & welded through fusion welding the window sash shall be fitted with 4mm thick tinted / float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No, per set of sashes and the system is to be installed at the site using anchor fasteners,silicon rubber sealant,easy glazing / deglazing at site etc., including cost and conveyance of all materials,accessories,labour charges for tranportation,erection at site with templates for casement sizing complete for finished item of work.(Elgi/Sintex/NCL/Fenesta or equivalent)	SQM	5750.00	2729812.50
11	796.75	Providing and fixing of S.S. Railing for stair case as per drawing including cost of material, labour charges, lead,l ifts etc. complete for finished item of work.	SQM	1000.00	796750.00
12		Providing and fixing straighten handle cut bend crank fix and tieing position in all RCC item of work including cost of G.I. 18 W.G. double strand complete on actual length measurements of fabricated steel work including auhorised lappages.			
	204.67	Tor Steel	M.T	75000.00	15350586.93

i.					
	25.00	Mild Steel	M.T	77000.00	1925000.00
ii.					
13	20121.33	Providing, fabricating and erecting form work at all levels, heights and places wherever needed/ specified as per drawing including striking/ deshuttering of 3mm thick M.S.Sheet with M.S.angles of size 25x25x3mm and shutterd with wooden planks of 30mm thick where M.S.Sheet can not be placed at all levels and wherever required.	SQM	275.00	5533365.17
14		Providing and laying brick work in 23 cm thick in C.M. (1:6) using best locally available bricks of approved quality in walls of superstructure including cost of materials,labour,scaffolding,curing etc., complete for finished item of work.			
	45.00	Stilt Floor	CUM	4750.00	213750.00
	155.56	Ground Floor	CUM	3800.00	591118.36
	167.71	First Floor	CUM	3850.00	645674.54
	167.71	Second floor	CUM	3900.00	654059.93
	167.71	Third floor	CUM	3950.00	662445.31
	167.71	Fourth floor	CUM	4000.00	670830.70
	167.71	Fifth floor	CUM	4250.00	712757.61
15		Providing and laying brick work in 11.5 cm thick for partition walls, in C.M. (1:4) using best locally available bricks of approved quality reinforced with 2 nos. 6mm dia M.S. rods at every 45 cm. vertical intervals, the rods continued into the adjoining wall / column to a length of 30 cm. or full thickness of wall whichever is less including cost of materials, labou, scaffolding, curing etc., complete for finished item of work.			
	50.00	Stilt Floor	SQM	525.00	26250.00
	1179.91	Ground Floor	SQM	550.00	648952.48
	1273.10	First Floor	SQM	575.00	732035.09
	1273.10	Second floor	SQM	600.00	763862.70
	1273.10	Third floor	SQM	625.00	795690.31
	1273.10	Fourth floor	SQM	650.00	827517.93
	1273.10	Fifth floor	SQM	675.00	859345.54
	337.35	Terrace	SQM	700.00	236145.00
16		Homogeneous vitrified ceramic tiles of size 600mm x 600mm of reputed brands of approved make and shall conform to IS:777-1988. The tiles shall be fixed to the mortar bed with bedding mortar consisting of CM (1:3) (Cement: Fine Sand) and prior to laying the floor tiles,the bedding mortar shall be applied thinly to the mortar bed and it shall not exceed one sqm in each application.In laying tiles,the bedding mortar shall be spread uniformly over the back of each tile in 3mm thick and sand for bedding mortar comply with the standard grading requirements and the thickness of bedding at any place under the flooring should not be less than 12mm.The tile grout shall be of approved make and the cost includes all material, labour, lead, lift, laying, cleanig etc., complete as per drawing.(Flats - Base Rate : Rs 50 / sft)			
	958.90	Ground Floor	SQM	1025.00	982868.50
	985.40	First Floor	SQM	1050.00	1034671.26
	985.40	Second floor	SQM	1075.00	1059306.29
	985.40	Third floor	SQM	1100.00	1083941.32
	985.40	Fourth floor	SQM	1125.00	1108576.35
	985.40	Fifth floor	SQM	1150.00	1133211.38

18		Providing 100 mm height skirting to interior face of walls with vitrified tiles with length equal to flooring stones set over a base coat of C.M 1:3 prop. 12mm thick jointed neatly with cement paste to full depth (joints of stones must be flushed including cost and conveyance of all materials like cement, sand, water, skirting stones etc. to site cost of seigniorage charges and cess on materials and all labour charges like dressing the stones to required size, mixing of cement mortar, laying skirting stones, curing etc. complete for finished item of work.			
	78.86	Ground Floor	SQM	850.00	67028.45
	84.82	First Floor	SQM	875.00	74220.56
	84.82	Second floor	SQM	900.00	76341.15
	84.82	Third floor	SQM	925.00	78461.74
	84.82	Fourth floor	SQM	950.00	80582.33
	84.82	Fifth floor	SQM	975.00	82702.91
19		Supplying and fixing of marble stone for staircase steps treads, risers and mid landing in single piece upto 5' or otherwise 2 pieces over a bed of 10mm thick C.M. (1:3) prop. Including labour for laying polishing and pointing, slurry over bed with neat cement etc., complete for finished item of work.			
	233.57	All floors	SQM	1200.00	280282.80
20		Providing and laying of non-skid ceramic tile flooring (size 200x200mm or 300x300mm) laid over a bed of 20mm thick in C.M. (1:3) prop base coat and neat grey cement slurry of honey like consistency at the rate of 3.3kg/sqm., and jointed with white cement paste mixed with pigment of matching shade to match shade of tiles including cost and conveyance of all materials and water to work site and all operations, incidental labour charges such as mixing mortar and fixing in position including lift charges, curing, laying etc., complete for the finished item of work.			
	1213.43	All floors	SQM	850.00	1031413.72
21		Providing 100 mm height skirting to interior face of walls with ceramic tiles with length equal to flooring stones set over a base coat of C.M 1:3 prop. 12mm thick jointed neatly with cement paste to full depth (joints of stones must be flushed including cost and conveyance of all materials like cement, sand, water, skirting stones etc. to site cost of seigniorage charges and cess on materials and all labour charges like dressing the stones to required size, mixing of cement mortar, laying skirting stones, curing etc. complete for finished item of work.			
	72.59	All floors	SQM	675.00	48996.56
22		Prepare surface and providing and fixing of dado with white glazed tiles 300x200x5mm thick, set in bedding of 20mm thick in C.M. (1:3) prop., with very thin joints so as to form a true and even surface without kinds of projections and joints finished neatly with white cement complete including labour for laying, curing etc., complete for finished item of work.			

	352.84	Ground Floor	SQM	750.00	264631.50
	381.74	First Floor	SQM	775.00	295846.95
	381.74	Second floor	SQM	800.00	305390.40
	381.74	Third floor	SQM	825.00	314933.85
	381.74	Fourth floor	SQM	850.00	324477.30
	381.74	Fifth floor	SQM	875.00	334020.75
23		Providing platstering 8mm thick to the ceiling surface in C.M. (1:3) prop., including the cost of materials, labour, curing, scaffolding, hacking the surface etc., all leads, lifts and all other incidental charges including smooth / sponge finishing etc., complete for finished item of work.			
	1936.70	Stilt Floor	SQM	160.00	309872.40
	1028.33	Ground Floor	SQM	170.00	174816.42
	1015.77	First Floor	SQM	180.00	182838.95
	1015.77	Second floor	SQM	190.00	192996.67
	1015.77	Third floor	SQM	200.00	203154.39
	1015.77	Fourth floor	SQM	210.00	213312.11
	1015.77	Fifth floor	SQM	220.00	223469.83
	300.00	Terrace floor	SQM	230.00	69000.00
24		15mm cement plaster two coats in C.M. (1:4) prop., backing coat 10mm and finishing coat 5mm thick on fair side of brick masonry / concrete walls for interior plastering including arrises internal rounded angles, chamfers etc., complete for the finished item of work.			
	1192.75	Stilt Floor	SQM	170.00	202767.40
	2711.12	Ground Floor	SQM	180.00	488002.37
	2931.16	First Floor	SQM	190.00	556921.24
	2931.16	Second floor	SQM	200.00	586232.88
	2931.16	Third floor	SQM	210.00	615544.52
	2931.16	Fourth floor	SQM	220.00	644856.17
	2931.16	Fifth floor	SQM	230.00	674167.81
	250.00	Terrace floor	SQM	230.00	57500.00
25		20 mm cement plaster in two coats in C.M. (1:4) & (1:6) prop., backing coat 15 mm and finishing coat 5mm thick of rough side of single or half brick wall for interior plastering including arises internal rounded angles, chamfers etc., complete for the inished item of work.			
	144.64	Stilt Floor	SQM	180.00	26035.33
	1546.30	Ground Floor	SQM	190.00	293797.00
	1671.19	First Floor	SQM	200.00	334238.62
	1671.19	Second floor	SQM	210.00	350950.55
	1671.19	Third floor	SQM	220.00	367662.48
	1671.19	Fourth floor	SQM	230.00	384374.41
	1671.19	Fifth floor	SQM	240.00	401086.34
	713.50	Terrace	SQM	240.00	171238.86
26	21313.01	Providing and painting of O.B.D with an initial coat of cement primer base to the required finish with luppam including cost and conveyance of all materials, labour, lifts and leads and other incidental and operational charges ec., complete as directed by the Architect. (at all heights)	SQM	125.00	2664126.71

27	13889.85	Supply and prepare surface and paints with three coats of water proof cement paint as per manufactures specifications to all exterior faces of walls sunshades, facia, fins, drops etc., in all floors, including rough cast plastered surface including cost of all materials, labour, scaffolding, curing, brushes etc., complete for finished item of work. (at all heights).	SQM	85.00	1180637.53
28	1857.43	Supply and prepare surface and paint two coats of synthetic enamel paint of approved colour and manufacture over an anticorrosive primer for teak wood joinery including cost of all materials, labour, scaffolding, curing, brushes etc., complete for the finished item of work.	SQM	100.00	185742.99
29	408.00	Supplying and fixing in position 110 mm dia PVC rain water pipes of approved quality with all necessary outlet bends, shoes, off set pieces , M.S. clamps , T.W. blocks, screws etc., providing and fixing 2 sets of 2 nos 6mm dia rods at the entrance to rain water as directed by the Architects /Client for finished item of work.	RMT	220.00	89760.00
30	1886.32	Granolithic flooring finishing 40mm thick in cement concrete 1:2:4 prop., with graded granite chips of 6mm to 20mm thick including cost and conveyance of all materials like cement, sand water, granite chips to site, all labour charges or mixing of cemen concrete laying to required slopes, curing etc., complete for finished item of work.	SQM	250.00	471580.00
31	1200.83	Providing impervious coat with water proofing plastering of 100mm thick average thickness as per Engineer instructions Necessary gradient for easy flow of water shall be provided and treated surface shall be covered with jointless water proof layer finished smooth with trowel in cement colour marked into 300mm false squares for finished item of work for Terrace floor.	SQM	240.00	288199.20
TOTAL COST OF CIVIL WORKS				Rs.	84894419.48
Add for sanitary & water supply @ 12% of civil works:				Rs	10187330.34
Add for electrical works @ 12% of civil works:				Rs	10187330.34
Add for elevation treatment & unforeseen items @ 3% of civil works:				Rs	2546832.58
30000	ADD FOR WATER TANK & SUMP		LIT	10.00	300000.00
2.00	ADD FOR LIFT		EACH	1000000	2000000.00
				Rs	110115912.73
				SAY	Rs 11.01 CRORES
(RUPEES ELEVEN CRORES ONE LAKHS ONLY)					
 					