

## ESTIMATION FOR CONSTRUCTION OF BUILDING

**NAME OF THE WORK:** CONSTRUCTION OF SCHOOL BUILDING    **LOCATION :** BADVEL, KADAPA DT. ANDHRAPRADESH, INDIA  
**ORGANIZATION:** MOTHER TERESA MAHILA MANDALI                      **ADDRESS:** 3/24 SURENDRA NAGAR BADVEL KADAPA DIST. A.P. INDIA 516227  
**FOUNDER & PRESIDENT:** JINKA SANTHAMMA

S.NO.	PARTICULARS	NO.S	MEASUREMENT IN METERS			AREA m <sup>3</sup>	RATE PER m <sup>3</sup>	AMOUNT IN RS.
			HEIGHT	LENGTH	WIDTH			
1	Earth work excavation and depasting soil in initial lead and lift in b.c.Soils, red earth and ordinary gravel etc.							
	complete columns	1 x 22	1.50	1.50	1.80	89.10	80.00	8748.80
	long walls	1 x 2	16.50	0.60	0.60	11.88		
	cross walls	1 x 2	11.65	0.60	0.60	8.38		
						103.36		
2	Sand filling and water ramming including the cost of conveyance of all materials and laborcharges in foundation and basement in stanford specifications							
a.	Foundation						160.00	33940.80
	columns	22.00	1.50	1.50	0.30	14.85		
	long walls	1 x 2	16.50	0.60	0.15	2.95		
	cross walls	1 x 2	11.65	0.60	0.15	2.09		
b.	Basement	1 x 1	16.50	11.65	1.00	192.22		
						212.13		
3	P.C.C. in (1:4:8) to use 40 mm metal including the cost off conveyance of all materials and labor charges etc.							
a.	Foundation						1950.00	95043.00
	columns	1 x 22	1.50	1.50	0.30	14.85		
	long walls	1 x 2	1.50	1.50	0.15	2.97		
	cross walls	1 x 2	1.50	1.50	0.15	2.09		
b.	Basement	1 x 1	16.50	11.65	0.15	28.83		
4	R.R. in c.m.(1:6) including the cost of conveyance of all materials and laborcharges							
	long walls	1 x 2	14.75	0.60	1.60	28.32	1800.00	87264.00
	cross walls	1 x 2	10.50	0.60	1.60	20.16		
5	R.C.C. (1:2:4) to use 40 mm metal including the cost and conveyance of all materials and labor charges etc							
a.	Footings	1 x 22	1.50	1.50	0.46	22.77	3500.00	129255.00
b.	Columns	1 x 22	0.35	0.23	8.00	14.16		
c.	Plinth beam						3800.00	32870.00
	Long beams	1 x 2	16.50	0.23	0.35	2.65		
	Cross Beams	1 x 4	11.65	0.23	0.35	3.75		
	Another beams	1 x 4	5.30	0.23	0.35	1.70		
	Another beams	1 x 2	3.46	0.23	0.35	0.55		
						8.65		

d	Roof Beams									
	Long beams	1 x 2	16.50	0.23	0.35	2.65				
	Cross beams	1 x 4	11.65	0.23	0.35	3.75				
	Another beams	1 x 4	5.30	0.23	0.35	1.70				
	Another Beams	1 x 2	3.46	0.23	0.35	0.55				
						8.65	4000.00	34600.00		
e	Roof Slab	1 x 1	16.50	11.65	0.10	19.22	4000.00	76880.00		
f	Stair case	1 x 1	4.57	1.80	0.15	1.23	4000.00	4935.00		
6	SSF Steel grills including the cost and conveyance of all materials and labour charges									
a	Columns		14.16 x 130 Kgs.			1840.00				
b	Footings		22.77 x 100 kgs			2277.00				
c	Plinth beam		8.65 x 120 kgs			1038.00				
d	Roof Beams		8.65 x 120 kgs			1038.00				
e	Roof slab		19.22 X 90 Kgs.			1729.00				
f	Stair case		1.23 x 120 Kgs.			147.00				
						8069.00	42.00	338898.00		
7	Brick Masonary C.M. (1:6) including the cost of transportation & labor charges									
	Long walls	1 x 2	16.50	0.23	2.75	2.75				
	Cross walls	1 x 4	11.65	0.23	2.75	2.75				
	Another walls	1 x 6	4.67	0.23	2.75	17.72				
	Another walls	1 x 2	3.00	0.23	2.75	3.79				
	Deductions					71.85				
	D.Doors	1 x 8	1.00	0.23	2.10	3.86				
	W Windows	1 x 20	1.00	0.23	1.20	5.52				
						9.38				
	Net Quantity		71.85 - 9.38			62.47	1900.00	118693.00		
8	Supply and fixing of doors and windows including transportation & labor charges									
	Deductions									
	D Doors	1 x 8	1.00		2.10	16.80				
	W Windows	1 x 20	1.00		1.20	24.00				
						40.80	3200.00	130560.00		
9	Plastering with C.M.(1:4) 20mm thick including labor and transportation charges									
	long walls	1 x 4	16.50		3.10	204.60				
	cross walls	1 x 8	11.65		3.10	288.92				
	Another walls 1	1 x 12	4.67		3.10	173.72				
	Another walls 2	1 x 4	3.00		3.10	37.20				
						704.44	120.00	84532.80		

10	Flooring with vertificent tiles in required sizes 10 cms thick 40 mm H.B.G. metal including transportation & labor charges					
	Class Rooms	1 x 6	3.00 x 4.67		84.06	800.00
	Office Room	1 x 1	3.00 x 3.00		9.00	
	Staff Room	1 x1	3.00 x 3.00		9.00	
					102.06	
11	Colour wash with two coats including the labor & transportation costs				19.22	70.00
					704.44	
					723.66	
					Sub Total	1308522.00
12	Provision for Electrical Charges@ 7.5 %					98139.00
					<b>T O T A L G R O U N D F L O O R</b>	<b>1406661.00</b>



SECOND FLOOR							
1	R.C.C. (1:2:4) to use 20 mm metal including labor & transportation costs						
a	Columns	1 x 8	2.75	0.23	0.35	1.77	4800.00
b	Long Beam	1 x 2	7.85	0.23	0.35	1.25	
c	Cross Beam	1 x 4	4.67	0.23	0.35	1.25	
d	Roof Slab	1 x 1	7.80	4.67	0.10	3.60	
						8.16	39180.00
2	SSF Steel grills including labor & transportation costs						
	Columns		1.77 x 130 kgs			230 kgs	42.00
	Roof Beams		2.75 x 120 kgs			330 kgs	
	Roof Slab		3.64 x 90 kgs			887 kgs	
3	Brick masnary C.M. (1:6) including labor & transportation costs						
	Long walls	1 x 2	7.80	0.23	2.75	9.87	2300.00
	Cross Walls	1 x 4	4.67	0.23	2.75	11.82	
						21.67	
	Deductions						
	D Doors	1 x 2	1.00	0.23	2.10	0.96	
	W Windows	1 x 3	1.00	0.23	1.20	0.82	
						1.78	
	Net Quantity		21.67 - 1.78 = 19.89				
4	Supplying & Fixing of Doors Windows including labor & transportation costs					7.80	3200.00
5	Plastering with C.M. (1:4) 20 mm thick including labor & transportation costs						
	Long walls	1 x 4	7.80		3.10	96.72	150.00
	Cross Walls	1 x 8	4.67		3.10	115.81	
						212.53	
6	Flooring with Rajasthan Marbles including labor & transportation costs	1 x 2	4.67	3.00		28.02	1000.00
							28000.00
							<i>Sub Total</i>
7	Electrification Charges @7.5 %						20000.00
8	Provision for Sanitary and water supply arrangement						120000.00
9	Provision for staircase with grills						60000.00
10	Provison for Balcony Grills						100000.00
11	Provision for Septic Tank						20000.00
							<b>T O T A L second floor</b>
							<b>527045.00</b>

<b>ABSTRACT</b>		
	<b>in Rs.</b>	<b>in \$</b>
GROUND FLOOR	1406661.00	29928.96
FIRST FLOOR	885067.00	18831.21
SECOND FLOOR	527045.00	11213.72
	<b>2818773.00</b>	<b>59973.89</b>

