

Construction division.
Advice for giving credit to contractors/suppliers.

Sl. No. - site bills register		584		Date - site bills Register		16/9/21	
Company Name:		MRMLLP		Site:		GMR	
Name of Contractor		Surasani Infra					
Nature of work		RCC (D-block upto slab-02)					
Work done		From Date				To Date	
Sl. No.	Villa/Flat/block no.	Qty.	Rate	Units	Amount	Contractors bill no	
1.	D-block upto slab-02	-	-	-	3,948,285		
2.	upto slab-2						
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.	Total:				3,948,285		
Bill required		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO.		GST bill required		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO.	
Measurement & estimate sheet:		<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not required		Measurement & estimate sheet:		<input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Not enclosed	
PO/WO no.				PO/WO date:			
Remarks : All works completed.							
Approved by Project Manager		Approved by Design Team		Approved by M.D.			
Date: 16/9/21		Date:		Date:			
Sign: <i>[Signature]</i>		Sign:		Sign:			

Notes: 1. This advice must be sent within 7 days of completing work. 2. This form can be used for certifying labour bills, bills for hire charges, earth work, turnkey civil contractors. 3. Wherever not applicable - fill NA. 4. Estimate and measurement sheets are not required for turnkey jobs where guideline rates are clearly given.

Standard Draft Const Cost Estimate upto slab-2,GMR-D block 23-06-21ver105a.xlsx
Summary

Estimate Summary				
Company Name		MRM LLP		
Project		Gulmohar residency apartments		
Estimate of:		Summary	D-block	
Construction type		6 floor apartment complex		
Date:		2021-06-21	2021-08-30	Ver-2
Brochure area		13,280		
Item Head	Item	Amount in Rs lacs	Rate/sft	Sub-total
RCC - Structure				
	Earth work	-	-	
	RCC works	2,494,705	187.85	187.85
Civil Work				
	Civil Works	414,863	31.24	
	Water proofing - terrace	-	-	
	External elevations	-	-	
	Chajjas,Lofts,Misc	-	-	
	Compound wall	-	-	31.24
	Sub total A	2,909,569	219	219
	Add Supervision. 3%	87,287		
	Add Profit 12%	349,148		
	Total	3,346,004		252
	Add GST@18%	3,948,285		297.31

✓
APPROVED BY
03 SEP 2021
SOHAM MODY
MANAGING DIRECTOR

APPROVED BY
02 SEP 2021
M. RAM PRASAD
PROJECT MANAGER

S. Mohd

Standard Draft Const Cost Estimate upto slab-2,GMR-D block 23-06-21ver106a.xlsx
Civil Work

Estimate Sheet # 3							
Company Name:		MRM LLP					
Project:		Gulmohar residency apartments					
Estimate of:		Civil work D block					
Construction type:		6 floor apartment complex					
Date:		2021-06-21 2021-08-30 Ver-2					
Brochure area:		13,280.00					
				Labour		Material	
S No.	Item Head	Item Description	Quantity	Units	Rate	Rate	Amount
Item Head Total							
1	Soil floor						
2		4" Brick work		sft	-	28.88	-
3		Type -1 BW under plinth beam	3,284	sft	16	8.00	78,816
4		6" Brick work for pcc	1,440	sft	10	-	14,400
5		Pcc for footings M10	675	sft	5	31.03	24,320
6		pcc flooring	8,086	sft	5	26.41	253,981
7		Pcc under plinth beams	1,380	sft	5	26.41	43,346
3		8" Brick work		sft	-	53.15	-
5		Plastering walls- Internal		sft	-	8.92	-
6		Plastering walls- External		sft	-	8.92	-
7		Plastering ceiling		sft	-	11.19	-
8		Lintels (4"x6")		rf	-	48.29	-
9		Platforms 2 1/2"		sft	-	32.36	-
10		Lofts 2 1/2"		sft	-	32.36	-
11		Chajjas		sft	-	35.37	-
12		Sub-total A	-	-	-	-	414,863
13	I floor						
14		4" Brick work		sft	-	28.88	-
15		6" Brick work		sft	-	-	-
16		8" Brick work		sft	-	53.15	-
17		Plastering walls- Internal		sft	-	8.92	-
18		Plastering walls- External		sft	-	8.92	-
19		Plastering ceiling		sft	-	11.19	-
20		Lintels (4"x6")		rf	-	48.29	-
21		Platforms 2 1/2"		sft	-	32.36	-
22		Lofts 2 1/2"		sft	-	32.36	-
23		Chajjas		sft	-	35.37	-
24		Sub-total B	-	-	-	-	-
25	II floor						
26		4" Brick work		sft	-	28.88	-
27		6" Brick work		sft	-	-	-
28		8" Brick work		sft	-	53.15	-
29		Plastering walls- Internal		sft	-	8.92	-
30		Plastering walls- External		sft	-	8.92	-
31		Plastering ceiling		sft	-	11.19	-
32		Lintels (4"x6")		rf	-	48.29	-
33		Platforms 2 1/2"		sft	-	32.36	-
34		Lofts 2 1/2"		sft	-	32.36	-
35		Chajjas		sft	-	35.37	-
36		Sub-total C	-	-	-	-	-
37	III floor						
38		4" Brick work		sft	-	28.88	-
39		6" Brick work		sft	-	-	-
40		8" Brick work		sft	-	53.15	-
41		Plastering walls- Internal		sft	-	8.92	-
42		Plastering walls- External		sft	-	8.92	-
43		Plastering ceiling		sft	-	11.19	-
44		Lintels (4"x6")		rf	-	48.29	-
45		Platforms 2 1/2"		sft	-	32.36	-
46		Lofts 2 1/2"		sft	-	32.36	-

APPROVED BY
03 SEP 2021
SUDHAKAR MOODI
MANAGING DIRECTOR

APPROVED BY
03 SEP 2021
M. RAM PRASAD
PROJECT MANAGER

Standard Draft Const Cost Estimate upto slab-2,GMR-D block 23-08-21ver105a.xlsx
Civil Work

47	Chagns	sf	-	35.37	-	-
48	Sub-total D				-	-
49	IV floor				-	-
50	4" Brick work	sf	-	28.88	-	-
51	6" Brick work	sf	-	-	-	-
52	8" Brick work	sf	-	53.15	-	-
53	Plastering walls- Internal	sf	-	8.92	-	-
54	Plastering walls- External	sf	-	8.92	-	-
55	Plastering ceiling	sf	-	11.19	-	-
56	Lintch (4"x6")	rf	-	48.29	-	-
57	Platforms 2 1/2"	sf	-	32.36	-	-
58	Lofts 2 1/2"	sf	-	32.36	-	-
59	Chagns	sf	-	35.37	-	-
60	Sub-total E				-	-

APPROVED BY
02 SEP 2001
M. K. KHAN
PROJECT MANAGER

APPROVED BY
03 Sep 2001
SCHAM MOCH
MANAGING DIRECTOR

Standard Draft Const Cost Estimate upto slab-2,GMR-D block 23-06-21ver105a.xlsx
Civil Work

61	V floor			-	-	-	-	-
62	4" Brick work		sft	-	28.88	-	-	-
63	6" Brick work		sft	-	-	-	-	-
64	8" Brick work		sft	-	53.15	-	-	-
65	Plastering walls- Internal		sft	-	8.92	-	-	-
66	Plastering walls- External		sft	-	8.92	-	-	-
67	Plastering ceiling		sft	-	11.19	-	-	-
68	Lintels (4"x6")		rfi	-	48.29	-	-	-
69	Platforms 2 1/2"		sft	-	32.36	-	-	-
70	Lofts 2 1/2"		sft	-	32.36	-	-	-
71	Chajjas		sft	-	35.37	-	-	-
72	Sub-total E						-	-
73	VI floor							
74	4" Brick work		sft	-	28.88	-	-	-
75	6" Brick work		sft	-	-	-	-	-
76	8" Brick work		sft	-	53.15	-	-	-
77	Plastering walls- Internal		sft	-	8.92	-	-	-
78	Plastering walls- External		sft	-	8.92	-	-	-
79	Plastering ceiling		sft	-	11.19	-	-	-
80	Lintels (4"x6")		rfi	-	48.29	-	-	-
81	Platforms 2 1/2"		sft	-	32.36	-	-	-
82	Lofts 2 1/2"		sft	-	32.36	-	-	-
83	Chajjas		sft	-	35.37	-	-	-
84	Sub-total E						-	-
85	Terrace floor							
86	4" Brick work		sft	-	28.88	-	-	-
87	6" Brick work		sft	-	-	-	-	-
88	8" Brick work		sft	-	53.15	-	-	-
89	Plastering walls- Internal		sft	-	8.92	-	-	-
90	Plastering walls- External		sft	-	8.92	-	-	-
91	Plastering ceiling		sft	-	11.19	-	-	-
92	Lintels (4"x6")		rfi	-	48.29	-	-	-
93	Platforms 2 1/2"		sft	-	32.36	-	-	-
94	Lofts 2 1/2"		sft	-	32.36	-	-	-
95	3" CC BED		rfi	-	11.80	-	-	-
96	Sub-total E						-	-
97	All floors - labour rate							
98	6 FLOORS			110				
99	TERRACE			20				
100	STILT			110				
Total							414,863	
Water proofing								
S.No.	Item Head	Item Description	Quantity	Units	Labour Rate	Material Rate	Amount	Item Head Total
1	Terrace water proofing		-	sft	15.25	24.57	-	
2	Head room water proofing		-	sft	15.25	24.57	-	
3	Toilets		-	nos	1,695		-	app
Total								

APPROVED BY
03 SEP 2021
S. RAMANUJAM
MANAGING ENGINEER

APPROVED BY
02 SEP 2021
M. RAMANUJAM
PROJECT MANAGER

Standard Draft Cost Estimate upto slab-2, DMS-D Block 23-06-21-ver105a.xlsx
R.C.C Estimate

S No.	Description	Quantity	Rate	Total A	Quantity	Rate	Total B	Quantity	Rate	Total C	Amount
1	Formwork + partition + col 0	7.501	84.03	630.275	11.287	35.00	395.444	9.804	35.00	343.148	1,407,132
2	Plumb lines, etc	2.010	86.43	172.724	7.278	35.00	254.732	7.371	35.00	257.903	78,421
3	Col 1		86.43			35.00			35.00		
4	Slab 1 - beams	898	84.03	75,539	756	35.00	26,464	245	35.00	8,575	1,18,540
5	Slab 1 - slab	645	84.03	54,196	1,278	35.00	44,730	1,630	35.00	57,068	1,70,807
6	Staircase 1		84.03			35.00			35.00		
7	Col 2		86.43			35.00			35.00		
8	Slab 2 - beams		84.03			35.00			35.00		
9	Slab 2 - slab		84.03			35.00			35.00		
10	Staircase 2		84.03			35.00			35.00		
11	Col 3		86.43			35.00			35.00		
12	Slab 3 - beams		84.03			35.00			35.00		
13	Slab 3 - slab		84.03			35.00			35.00		
14	Staircase 3		84.03			35.00			35.00		
15	Col 4		86.43			35.00			35.00		
16	Slab 4 - beams		84.03			35.00			35.00		
17	Slab 4 - slab		84.03			35.00			35.00		
18	Staircase 4		84.03			35.00			35.00		
19	Col 5		86.43			35.00			35.00		
20	Slab 5 - beams		84.03			35.00			35.00		
21	Slab 5 - slab		84.03			35.00			35.00		
22	Staircase 5		84.03			35.00			35.00		
23	Col 6		86.43			35.00			35.00		
24	Slab 6 - beams		84.03			35.00			35.00		
25	Slab 6 - slab		84.03			35.00			35.00		
26	Col 7		84.03			35.00			35.00		
27	Slab 7 - beams		84.03			35.00			35.00		
28	Slab 7 - slab		86.43			35.00			35.00		
29	Col 8		86.43			35.00			35.00		
30	Slab 8 - beams		84.03			35.00			35.00		
31	Slab 8 - slab		84.03			35.00			35.00		
32	Col 9		84.03			35.00			35.00		
33	Staircase - beams		84.03			35.00			35.00		
34	Staircase steps		24.30			35.00			35.00		
35	Iron ties, etc-beams		24.30			35.00			35.00		
36	Terrace - slab		86.43			35.00			35.00		
37	M.S. Binding Wire					57.00					
38	above rate										
Total		11,053		933,727	20,097		807,183	19,050		666,750	2,494,285
Rate per sq ft		0.83		70.31	1.56		60.78	1.43		30.21	6.55
Note		5% wastage added for concrete 1% steel wastage added for steel									
Total				933,727	20,097		807,183	19,050		666,750	2,494,285
Total				933,727	20,097		807,183	19,050		666,750	2,494,285

APPROVED
 11.08.2021
 M. RAJ...SAD
 PROJECT MANAGER

APPROVED
 11.08.2021
 M. RAJ...SAD
 PROJECT MANAGER

Standard Draft Const Measurements GMR D-Block upto slab-2, D123-06-21ver104a.xlsx
Steel estimate - derivation

Summary		A	B	C	AxB+C		
S N o.	Item	Specification	Qty in kgs	No. of units	Common Area+Stai cases	Total steel in kgs	Steel kgs/sf t
1	Footing n/	Dowels in footings included	5,890	1		5,890	
2	Pedestal		-	1		-	
3	Column-0		-	1		-	
4	Beams - plinth		1,040	7		7,278	
5	Column-1 TO 2	Pedestal/Column -2	5,397	1		5,397	
6	Column-3		-	1		-	
7	Column-4		-	1		-	
8	Column-5		-	1		-	
9	Column-6		-	1		-	
10	Column-7		-	1		-	
11	Column-8		-	1		-	
12	Beams - slab 2	NA	756	1		756	
13	slab-1	NA	-	-		-	
14	slab-2	NA	1,376	1		1,376	
15	slab-3		-	8		-	
16	slab-4		-	8		-	
17	slab-5,6,7		-	8		-	
18	slab-8		-	8		-	
19	Beams - typical slab		-	1		-	
20	Column-9		-	1		-	
21	Terrace floor beams		-	1		-	
22	Terrace floor slabs		-	1		-	
						20,697	-
Assumptions/follow up codes as per STRUCTURAL CONSULTANT							
1. Footing mats bars 6" L considered and cover 50mm.							
2. Pedestals vertical bars L considered 1'3", stirrup clear covering all sides 40mm							
3. Columns bars L = 1'6" and overlap considered as 50d, stirrup clear covering all sides 40mm							
4. Slab beams covering 25mm and L bend 6" for Top and Bottom bars and stirrup calculated upto column Junction							
5. Slab beams considered top extra bars L/4 and bottom L/2							
6. Slab top Bars L bend 6" and measurement clear span							
7. Slab bars cranked at L/4							
8. slab cranked bars .42d is considered both sides, where d= depth of slab - 2x covering pythagoras theorem							
9. For deductions in cutting lengths of bars not considered, it occurs in stirrups and slab bars, where for 45degrees bend							
10. For continuous slab spans cranked bars top to be extended L/5							
11. All other lap lengths considered as 50d							
12. Estimation can considered after full length 40', 1 lap length added if needed to be discuss							
13. IS1786-2008 Fe 415 OR Fe 500 TMT Bars HSD, considered.							
14. Staircase started at roof beam Ld 50D taken into Slab							
15. Flights here considered continuous, because it for format only							
16. BBS measurements are on sample basis except footing mats.							
17. Footings mats - length of bar is x + y axis length.							
18. OHT calculation columns and rec wall excluded							
19. Lift raft and rec wall excluded							

APPROVED BY
03 SEP 2021
SRIHARI M/CL
MANAGING DIRECTOR

Standard Draft Const Measurements GMR D-Block upto slab-2, D23-06-21 ver104a.dwg
Steel estimate - derivation

Company Name: MRM LLP		Project: Gulshar Residency		Work Description: Steel Estimation Derivation		Prepared By: Saikumar		Date: 31-Aug-21				
D Block												
S	N	o	Description	Dia in mm	Wt in kg/mtr	Overlap length @ 50D	Typical rod length	Overlap percent	Overlap factor	Cranking factor		
						1/(1-50D/3)²						
						length in ft		for a		factor		
			1 nail									
			2 8 mm bar	8	0.40	0.12	1.31	40.00	8.20	1.10		
			3 10 mm bar	10	0.62	0.19	1.64	40.00	10.25	1.10		
			4 12 mm bar	12	0.89	0.27	1.97	40.00	12.30	1.15		
			5 16 mm bar	16	1.58	0.48	2.62	40.00	16.40	1.20		
			6 20 mm bar	20	2.47	0.75	3.28	40.00	20.51	1.25		
			7 25 mm bar	25	3.86	1.18	4.10	40.00	25.63	1.25		
			8 32 mm bar	32	6.32	1.93	5.25	40.00	32.81	1.30		
S	N	o	Item	Type	Specification - cover 1" - 8 mm bar	Steel size	Steel wt - kg/ft	Perimeter Cover in ft	Overlap size each side in ft	Overlap size in ft	Surrup length in ft	Surrup wt in lbs
			1 Surrup	S10	nil							
			2 Surrup	S11	9"x9"	8.00	0.12	3.09	0.08	0.50	2.83	0.34
			3 Surrup	S12	9"x9"	8.00	0.12	3.50	0.08	0.50	3.33	0.40
			4 Surrup	S13	9"x15"	8.00	0.12	4.00	0.08	0.50	3.83	0.46
			5 Surrup	S21	9"x16.5"	8.00	0.12	4.25	0.08	0.50	4.08	0.49
			6 Surrup	S14	9"x18"	8.00	0.12	4.50	0.08	0.50	4.33	0.52
			7 Surrup	S24	9"x19.5"	8.00	0.12	4.75	0.08	0.50	4.58	0.55
			8 Surrup	S15	9"x21"	8.00	0.12	5.00	0.08	0.50	4.83	0.58
			9 Surrup	S16	9"x24"	8.00	0.12	5.50	0.08	0.50	5.33	0.64
			9 Surrup	S25	9"x30"	8.00	0.12	6.50	0.08	0.50	6.33	0.76
			10 Surrup	S17	6"x18" R/g/c/c	8.00	0.12	4.00	0.13	0.50	3.50	0.42
			11 Surrup	S18	12"x18" R/g/c/c	8.00	0.12	5.00	0.08	0.50	4.83	0.58
			12 Surrup	S19	18"x18" R/g/c/c	8.00	0.12	6.00	0.13	0.50	5.50	0.66
			13 Surrup	S20	24"x24" R/g/c/c	8.00	0.12	8.00	0.17	0.50	7.17	0.86
			14 Surrup	S22	30"x30" R/g/c/c	8.00	0.12	10.00	0.17	0.50	9.17	1.10
			15 Surrup	S23	36"x36" R/g/c/c	8.00	0.12	12.00	0.17	0.50	11.17	1.34

REVISIONS
100% FEB 03
100% FEB 03
100% FEB 03

Standard Draft Comit Measurements GMR D-Block upto slab-2.D123-06-21.vert104a.xlsx
Steel estimate - derivation

S	N	o. item	Type	Specification	X axis steel size	Y axis steel size	X axis steel wt. kg/B	Y axis steel wt. kg/B	X length axis	Y length axis	X axis number of rods	Y axis number of rods	Wt of steel required per mat	No. of mats	Total steel required	
		1	Footing mats	F1,F3	5"x5" T-12 @ 10 nos bedways	12.00	12.00	0.27	0.27	5.75	5.75	10	10	31	70	3,184
		2	Footing mats	F4	5"x5"x5" T-12 @ 12 nos bedways	12.00	12.00	0.27	0.27	6.25	6.25	12	12	41	30	1,221
		3	Footing mats	F2	6"x6" T-12 @ 14 nos bedways	12.00	12.00	0.27	0.27	6.75	6.75	14	14	51	15	769
		4	Footing mats	F5	6"x6"x5" T-12 @ 18 nos bedways	12.00	12.00	0.27	0.27	7.25	7.25	18	18	71	1	71
		5	Raft beam	L16-2X	7.5"x8"x2 T-2"x20"-2"x16" @ 6" C/C	20.00	16.00	0.75	0.48	8.58	8.58	2	2	21	2	42
		6	Y axis			20.00	16.00	0.75	0.48	9.00	9.00	2	2	22	2	44
		7		Dowels in footings T16 x5 nos	16.00	-	0.48	-	4.00	-	5	-	10	120	1,156	
		8	Lift wall		10.00	8.00	0.19	0.12	5.50	25.00	51	6	72	1	72	
		9	Raft L16-1		10.00	10.00	0.19	0.19	8.58	9.00	25	24	81	1	81	
		10	Lift wall		10.00	8.00	0.19	0.12	5.50	25.00	51	6	72	1	72	
		11	Raft service lift		10.00	10.00	0.19	0.19	7.33	11.75	24	20	91	1	91	
		12	Raft wall		10.00	8.00	0.19	0.12	5.50	30.00	61	6	86	1	86	
		13	Subtotal - Footings steel											245	5,860	

APPROVED BY
1002 233 C O
SCHEMATIC DESIGN
10/04/2010

Standard Draft Const Measurements GIMR D-Block uplo slab-2.D123-06-21ver104a.dwg
Steel estimate - derivation

S N c. item	Type	Specification	Steel size		Steel size 2 kg/ft	Steel size 1 kg/ft	Steel size 2 factor	Steel size 1 factor	Steel size 2 lap	Steel size 1 lap	Steel size 2 over	Steel size 1 over	Height + number of rods	Size 1 number of rods	Size 2 number of rods	Stairup size	No of stairups	Stairup weight	No of columns	No of beams	Total steel required
			size 1	size 2																	
1	Beams - plinth	B1 T+B 9"x12" Top-12-2nos+T-Bot 12-2nos, S12 @7	12.00	12.00	0.27	0.27	1.15	1.15	31	2	2	2	S12	32	0.40	53	4	207			
2	Beams - plinth	B1 Ext	12.00	12.00	0.27	0.27	1.15	1.15	118	2	2	2	S10	190	0.40	223	1	223			
3	Beams - plinth	B2 T+B 9"x12" Top-12-2nos+T-Bot 12-2nos, S12 @7	12.00	12.00	0.27	0.27	1.15	1.15	27	2	2	2	S12	42	0.40	50	1	50			
4	Beams - plinth	B2 Ext	12.00	12.00	0.27	0.27	1.15	1.15	31	2	2	2	S10	19	0.34	19	1	19			
5	Beams - plinth	B3 T+B 9"x12" Top-12-2nos+T-Bot 12-2nos, S12 @7	12.00	12.00	0.27	0.27	1.15	1.15	71	2	2	2	S14	118	0.52	150	1	150			
6	Beams - plinth	B3 Ext	12.00	12.00	0.27	0.27	1.15	1.15	77	2	2	2	S10	30	0.40	89	1	89			
7	Beams - plinth	B4 T+B 9"x12" Top-12-2nos+T-Bot 12-2nos, S12 @7	12.00	12.00	0.27	0.27	1.15	1.15	20	2	2	2	S10	23	0.40	53	1	53			
8	Beams - plinth	B4 Ext	12.00	12.00	0.27	0.27	1.15	1.15	23	2	2	2	S14	38	0.52	49	1	49			
9	Beams - plinth	B5 T+B 9"x12" Top-16-2nos+T-Bot 16-2nos, S12 @7	16.00	16.00	0.48	0.48	1.20	1.20	29	2	2	2	S15	18	0.58	18	1	18			
10	Beams - plinth	B5 Ext	16.00	16.00	0.48	0.48	1.20	1.20	-	-	-	-	S10	-	-	-	-	-	-		
11	Beams - plinth	B6 T+B 9"x12" Top-12-2nos+T-Bot 12-2nos, S12 @7	12.00	12.00	0.27	0.27	1.15	1.15	49	2	2	2	S13	82	0.46	99	1	99			
12	Beams - plinth	B6 Ext	12.00	12.00	0.27	0.27	1.15	1.15	53	2	2	2	S10	33	0.46	33	1	33			
		B7 T+B 9"x12" Top-12-2nos+T-Bot 12-2nos, S12 @8	12.00	12.00	0.27	0.27	1.15	1.15	11	2	2	2	S13	19	0.46	22	1	22			
		B7 Ext	12.00	12.00	0.27	0.27	1.15	1.15	13	1	1	1	S10	4	0.46	4	1	4			
		B8 T+B 9"x12" Top-12-2nos+T-Bot 12-2nos, S12 @7	12.00	12.00	0.27	0.27	1.15	1.15	155.47	9.00	4.00	4.00	-	100.40	1.51	177	7	1.040			
		B8 Ext	12.00	12.00	0.27	0.27	1.15	1.15	6.90	6.90	6.90	6.90	-	-	-	-	-	-	-	-	
		B9 T+B 9"x12" Top-12-2nos+T-Bot 12-2nos, S12 @7	12.00	12.00	0.27	0.27	1.15	1.15	11	2	2	2	S13	19	0.46	22	1	22			
		B9 Ext	12.00	12.00	0.27	0.27	1.15	1.15	13	1	1	1	S10	4	0.46	4	1	4			
13	Subtotal - plinth beam steel		84.00	72.00	1.90	1.63	8.05	6.90	155.47	9.00	4.00	4.00	-	100.40	1.51	177	7	1.040			

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Standard Draft Const Measurements GMR D-Block upto slab-2.D123-06-21ver104.a.xlsx
Steel estimate - derivation

S No.	e. Item	Type	Specification	Steel size 1	Steel size 2	Steel size 1 wt - kg/ft	Steel size 2 wt - kg/ft	Steel size over lap factor	Steel size over lap	Steel size 1 size 2	Height + number of rods	Size 1 number of rods	Size 2 number of rods	Stirrup size	No. of stirrups	Stirrup weight	No. of columns	Total steel required	Wt of steel required
1	Column-2/pedestal	C1	9"x18"x5' T-16-8nos, S14 @ 8"	16.00	-	0.48	-	1.20	-	6.00	8	8	-	S14	7	0.53	31.27	33	1.032
2	Column-2	C2	9"x24"x5' T-20-4nos, T-25-4nos, S16 @ 8"	20.00	25.00	0.75	1.18	1.25	1.25	6.00	4	4	4	S16	7	0.64	62	15	933
3	Column-2	C3	9"x18"x5' T-20-8nos, S14 @ 8"	20.00	-	0.75	-	1.25	-	6.00	8	8	-	S16	7	0.64	50	37	1.832
4	Column-2	C4	9"x24"x5' T-20-8nos, S14 @ 8"	20.00	-	0.75	-	1.25	-	6.00	8	8	-	S16	7	0.64	50	39	1.486
5	Column-2	C5	9"x30"x5' T-20-6nos, T-25-4nos, S16 @ 8"	20.00	25.00	0.75	1.18	1.25	1.25	6.00	6	6	4	S25	7	1.34	78	1	78
6	Column-2	C6	double ring S14 @ 6"/c	8.00	-	0.32	-	1.10	-	6.00	-	-	-	S14	7	0.52	4	1	4
7	Column-2	C6	9"x15' T12x6 nos S14 @ 6"/c	12.00	-	0.27	-	1.15	-	6.00	4	4	-	S14	7	0.46	11	3	32
6	Subtotal - column 2/Pedestals steel			116.00	50.00	3.89	2.35	8.45	2.50	42.00	38.00	38.00	8.00	-	47.25	4.78	285	120	5.997

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10:00 AM
GMR PROJECT
GMR PROJECT

Summary

Estimate Summary				
Company Name		MRMLLP		
Project		Gulmohar Residency A-block		
Estimate of		Summary		
Construction type		5 floor apartment complex		
Date		2021-09-01		
Brochure area		61,200		
Item Head	Item	Amount in Rs. lacs	Rate/sft	Sub-total
RCC - Structure				
	Earth work	-	-	
	RCC works	462,147	7.55	7.55
Civil Work				
	Civil Works	-	-	
	Water proofing - terrace	125,617	2.05	
	External elevations	-	-	
	Chajjas,Lofts,Misc	-	-	2.05
	Compound wall	-	-	
	Sub total A	587,764	10	10
	Add Supervision. 3%	17,633		
	Add Profit 12%	70,532		
	Total	675,929		11
	Add GST@18%	797,596		13.03

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MANAGING DIRECTOR

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