Anx B – Work Completion Report

Company	AMTZ Medpolis Square 4554 Pvt Ltd	Name of contractor	Simhaa Constructions	Sl. No. site bills reg.	151
Project/site	AMS4554	Nature of work	RCC work	Dt. site bills reg.	13-11-2025
Block no.	AMS4554	Work done from date	25-09-2025	M-codex bill ID.	
WO no.	20251103019	Work done to date	31-10-2025	WO issued ?	Yes
WO date	03-11-2025	Contractor bill no.	80	GST bill required?	Yes

Sl. No.	Unit/floor no	Details of work	Qty	Units	Rate ID	Rate	Amount
1	AMS4554 / Level 03	CONST - RCC 7456 - Construction -Slab 4 - Bar bending - Ton (Labour charges for bar bending works)	1.83	Ton	RCC 214	10,635.00	19,493.96
2	AMS4554 / Level 03	CONST - RCC 5667 - Construction - Slab 4 - Concreting - Material - cum (Concrete material charges for the duct beams)	8.96	Cum	RCC 189	4,933.00	44,199.68
3	AMS4554 / Level 03	CONST - RCC 9917 - Construction - Slab 4 - Concreteing - Labour - cum (Labour charges for the concrete pouring works)	8.96	Cum	RCC 212	1,155.00	10,348.80
4	AMS4554 / Level 03	CONST - RCC 8439 - Construction - Slab 4 - Shuttering - Sqm (Labour charges for the shuttering works of tie beams)	113.03	Sqm	RCC 213	1,035.00	1,16,986.05
5	AMS4554 / Level 03	CONST - RCC 7924 - Construction - RCC - Lift charges - Slab - 04 - cum (Lift charges for the concrete material)	8.96	Cum	RCC 135	592.00	5,304.32
6	AMS4554 / Level 03	CONST - RCC 1257 - Construction - RCC - Steel - Miscellaneous - misc - Nos(Labour charges for anchoring works of 8 mm bars of floor beams & tie beams)	846.00	No's		115.76	97,932.96
							2,94,266
						Add GST @ 18%	52,968
						Total amount including taxes for work done	**3,47,234**

Remarks:

Approved by project manager	Approved by QS team	Approved by Director/E&D team
Sign:	Sign:	Sign:
Date: 13/11/25	Date:	Date:

APPROVED BY
12 NOV 2025
LEELAVENKATESH N.
Project Manager

Notes: 1. This sheet replaces installation report and advice for credit to contractors. 2. This word form must be typed. 3. Use this form even if work order is not issued. 4. Attach measurement and estimate sheets only if required i.e., details cannot be entered above. 5. For bill amount greater than 10k QS manager and directors approval is required. 6. For bill amount less than 10k any QS team member may sign and in place of director sign of respective E&D member to be taken. 7. Director include – Sohail, Anand Mehta (for GHT + GMR), Sachin (for Vivopolis), B. anand Kumar (for NGH + NRK). 8. Entry of rate ID is mandatory. 9. This sheet must be sent within 2 working days of work completion (with or without contractors bill). 10. Contractors to send scanned copy of bill to site and QS by email. 11. Contractors must submit original bills at HO (can be sent by courier).

ESTIMATE SHEET						Approved by:	N. Leela Venkatesh	
Company Name:		AMTZ Medpolis Square 4554 Pvt Ltd						
Project:		AMS4554						
Work Description:		RCC works for floor & Tie beams in Level 03						
Prepared By		N. Leela Venkatesh						
Date:		12-11-2025						
S No.	**Unit/Floor no**	**Item Description**	**Quantity**	**Units**	**Rate**	**Amount**	**Item Head Total**	**Remarks**
1	AMS4554 / Level 03	CONST - RCC 7456 - Construction -Slab 4 - Bar bending - Ton (Labour charges for bar bending works)	1.83	Ton	10,635.00	19493.96	19,493.96	
2	AMS4554 / Level 03	CONST - RCC 5667 - Construction - Slab 4 - Concreting - Material - cum (Concrete material charges for the duct beams)	8.96	Cum	4,933.00	44199.68	44,199.68	
3	AMS4554 / Level 03	CONST - RCC 9917 - Construction - Slab 4 - Concreteing - Labour - cum (Labour charges for the concrete pouring works)	8.96	Cum	1,155.00	10348.80	10,348.80	
4	AMS4554 / Level 03	CONST - RCC 8439 - Construction - Slab 4 - Shuttering - Sqm (Labour charges for the shuttering works of tie beams)	113.03	Sqm	1,035.00	116986.05	1,16,986.05	
5	AMS4554 / Level 03	CONST - RCC 7924 - Construction - RCC - Lift charges - Slab - 04 - cum (Lift charges for the concrete material)	8.96	Cum	592.00	5304.32	5,304.32	
6	AMS4554 / Level 03	CONST - RCC 1257 - Construction - RCC - Steel - Miscellaneous - misc - Nos (Labour charges for anchoring works of 8 mm bars of floor beams & tie beams)	846.00	No's	115.76	97932.96	97,932.96	
						Total	**2,94,266**	

APPROVED BY
13 NOV 2025
LEELA VENKATESH.N.
Project Manager

MEASUREMENT SHEET										
Company Name:		AMTZ Medpolis Square 4554 Pvt Ltd			Approved by:	N. Leela Venkatesh				
Project:		AMS4554			Sign:					
Work Description :		RCC works for floor & Tie beams in Level 03			Work start date:	25-09-2025				
Contractor:		Simhaa Constructions			Work end date:	03-10-2025				
Prepared By:		N. Leela Venkatesh			Date :	13-11-2025				
			A	B	C	D	E	F=AxBxCxD	G	H=Sum of F
S No.	Item Head	Item Description	Length	Width	Height	Nos.	Unit wt/mtr	Quantity	Units	Item Head Total
1	RCC Works	CONST - RCC 7456 - Construction -Slab 4 - Bar bending - Ton (Labour charges for bar bending works)	1.00	1.00	1.00	-	-	1.83	Ton	1.83
2	RCC Works	CONST - RCC 5667 - Construction - Slab 4 - Concreting - Material - cum (Concrete material charges for the duct beams)	1.00	1.00	1.00	-	-	8.96	Cum	8.96
3	RCC Works	CONST - RCC 9917 - Construction - Slab 4 - Concreteing - Labour - cum (Labour charges for the concrete pouring works)	1.00	1.00	1.00	-	-	8.96	Cum	8.96
4	RCC Works	CONST - RCC 8439 - Construction - Slab 4 - Shuttering - Sqm (Labour charges for the shuttering works of tie beams)	1.00	1.00	1.00	-	-	113.03	Sqm	113.03
5	RCC Works	CONST - RCC 7924 - Construction - RCC - Lift charges - Slab - 04 - cum (Lift charges for the concrete material)	1.00	1.00	1.00	-	-	8.96	Cum	8.96
6	RCC Works	CONST - RCC 1257 - Construction - RCC - Steel - Miscellaneous - misc - Nos (Labour charges for anchoring works of 8 mm bars of floor beams & tie beams)	1.00	1.00	1.00	-	-	846.00	No's	846.00
									TOTAL	987.74

APPROVED BY
13 NOV 2025
LEELA VENKATESH.N.
Project Manager

Tax Invoice

e-Invoice

IRN : be94c7d1efb4aeced606876393ffe89d3e4f0eb5926ddc-34d980a5d4936408d1
Ack No : 112527549194253
Ack Date : 7-Nov-25

Simhaa Constructions (2025-26)
Plot No 2, Block-B, Auto Nagar
Visakhapatnam
GSTIN/UIN: 37ABMFS6706L1ZJ
State Name : Andhra Pradesh, Code : 37
E-Mail : simhaaconstructions@rediffmail.com

Buyer (Bill to)
AMTZ Medpolis Square 4554 Pvt. Ltd
VM Steel Project Town Ship Sub Post Office
Ground, Plot No D1-56, HUB Building, AMTZ Campus,
Pragathi Maidan, Visakhapatnam
GSTIN/UIN : 37AAXCA5420G1ZG
State Name : Andhra Pradesh, Code : 37

Invoice No. **80**	Dated **7-Nov-25**
Delivery Note	Mode/Terms of Payment
Reference No. & Date **SC/AMS/4554/RA 76 dt. 7-Nov-25**	Other References
Buyer's Order No **20251103019**	Dated **3-Nov-25**
Dispatch Doc No	Delivery Note Date
Dispatched through	Destination
Terms of Delivery	

Sl No	Particulars	HSN/SAC	Quantity	Rate	per	Amount
1	**Contract Receipt (2025-26)** *RA 76 for Civil Contract for RCC Works for the project AMTZ Medpolis Square 4554, Visakhapatnam, RCC Works for Floor Beams and Tie Beams in Level 03 of AMTZ 4554*	995415				**2,94,265.77**
	CGST - Output 9%			9	%	**26,483.92**
	SGST - Output 9%			9	%	**26,483.92**
	Total					**₹ 3,47,233.61**

Amount Chargeable (in words) E & O.E
INR Three Lakh Forty Seven Thousand Two Hundred Thirty Three and Sixty One paise Only

HSN/SAC	Taxable Value	CGST Rate	CGST Amount	SGST/UTGST Rate	SGST/UTGST Amount	Total Tax Amount
995415	2,94,265.77	9%	26,483.92	9%	26,483.92	52,967.84
Total	**2,94,265.77**		**26,483.92**		**26,483.92**	**52,967.84**

Tax Amount (in words) : **INR Fifty Two Thousand Nine Hundred Sixty Seven and Eighty Four paise Only**

For M/s. SIMHAA CONSTRUCTIONS
for Simhaa Constructions (2025-26)

Remarks
RA 76 RCC Works for Floor Beams and Tie Beams in Level 03 of AMTZ 4554

(KAN RAJU)
Managing Partner
Authorised Signatory

This is a Computer Generated Invoice

Civil Contract for RCC works for the project AMTZ Medpolis Square 4554 at AMTZ, Visakhapatnam

RA - 76

SIMHAA CONSTRUCTIONS
Visakhapatnam

SIMHAA CONSTRUCTIONS

RA 76

DATE: 07.11.2025

Name of the work: Civil works for Construction of RCC building at AMTZ Medpolis Square 4554, Visakhapatnam.
Name of the Contractor : M/s Simhaa Constructions
P. O Number : 20251103019 on Dt: 03 Nov 2025

"RCC works for floor beams and tie beams in level 03 of AMTZ 4554"

Sl. NO	Item Name	Uom	P.O Qty	Rate	QUANTITY			Amount		
					up to Previous	This Bill Qty	Total	Total Value of Work	up to Previous	Present Bill
1	CONST - RCC 7456 - Construction - Slab 4 - Bar Bending --Ton Labour charges for Bar bending works. Read UOM as MT.	Ton	2	10635.00	-	1.833	1.833	19,493.96	-	19,493.96
2	CONST - RCC 5667 - Construction - Slab 4 - Concreting - Material - - cum Charges for concrete material (M35). Read UOM as Cum.	Cum	9	4933.00	-	8.960	8.960	44,199.68	-	44,199.68
3	CONST - RCC 9917 - Construction - Slab 4 - Concreting - Labour - - cum Labour charges for the concrete works. Read UOM as Cum.	Cum	9	1155.00	-	8.960	8.960	10,348.80	-	10,348.80
4	CONST - RCC 8439 - Construction - Slab 4 - Shuttering - - sqm Labour charges for shuttering works of tie and floor beams. Read UOM as Sqm.	Sqm	111	1035.00	-	113.030	113.030	1,16,986.05	-	1,16,986.05
5	CONST - RCC 7924 - Construction - RCC - Lift Charges slab - 04 - - cum Labour charges for material lifting charges. Read UOM as Cum.	Cum	9	592.00	-	8.960	8.960	5,304.32	-	5,304.32
6	CONST - RCC 1257 - Construction - RCC - Steel -Miscellaneous - misc - Nos. Labour charges for anchorage works of 8mm bars for floor beams. Read UOM as no's.	No's	800	115.76	-	846.000	846.000	97,932.96	-	97,932.96
					Total			294265.77	-	294265.77

Total Value of present Bill	294265.77
Add GST @ 18%	52967.84
Total	**347233.60**

{ Amount in Words : Three Lakhs Fourty Seven Thousand Two Hundredend Thirty Three Rupees and Six Zero Paise Only }

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Name of Agency : M/s SIMHAA CONSTRUCTIONS
Project: AMTZ Medpolis Square 4554 Pvt.Ltd.
Work: RCC works for floor beams and tie beams in level 03 of AMTZ 4554
RAR No: 76

SUMMARY

Sl.No	Item	Description	Uom	Qty	Sub Total
	Level 03 (3rd floor)				
	Lockset - Anchoring = #8mm Rebars				**846.000**
1	Lockset - Anchoring = #8mm Rebars	Anchoring @ Duct Masonry Wall CC Bed	Each	128.000	
2	Lockset - Anchoring = #8mm Rebars	Anchoring @ Floor Beam Verticals	Each	718.000	
	RCC - M35 - RMC				**8.960**
3	Tie Beam RCC - M35 - RMC	RCC -Duct Tie Beam [150x300] at 3.0m Lvl	Cum	5.510	
4	Floor Beam RCC M35 -RMC	RCC - Floor Beam 150x150	Cum	2.345	
5	Duct Beam RCC -M35 - RMC	RCC -Addl.Beams [300x450](Secondary Beams at Ducts)	Cum	1.110	
	RCC - M35 -Labour				**8.960**
6	Tie Beam RCC - M35 -Labour	RCC -Duct Tie Beam [150x300] at 3.0m Lvl	Cum	5.510	
7	Floor Beam RCC M35 -Labour	RCC - Floor Beam 150x150	Cum	2.345	
8	Duct Beam RCC -M35 - Labour	RCC -Addl.Beams [300x450](Secondary Beams at Ducts)	Cum	1.110	
	RCC - M35 -Lift charges				**8.960**
9	Tie Beam RCC - M35 -Lift charges	RCC -Duct Tie Beam [150x300] at 3.0m Lvl	Cum	5.510	
10	Floor Beam RCC M35 -Lift Charges	RCC - Floor Beam 150x150	Cum	2.345	
11	Duct Beam RCC -M35 - Lift Charges	RCC -Addl.Beams [300x450](Secondary Beams at Ducts)	Cum	1.110	
	Formwork				**113.030**
12	Tie Beam RCC - Formwork	Form Work -Duct Tie Beam [150x300] at 3.0m Lvl	Sqm	73.170	
13	Floor Beam RCC - Form Work	Form Work - Floor Beam 150x150	Sqm	31.262	
14	Duct Beam RCC -Form Work	FOrmWork -Addl.Beams [300x450](Secondary Beams at Ducts)	Sqm	8.600	
	Steel				**1.833**
15	Tie Beams Steel	FF - Duct Outer Tie Beams at 3.0m Lvl	Ton	1.659	
16	Floor Beam Steel	Form Work - Floor Beam 150x150	Ton	0.081	
17	Duct Beam - Steel	Addl.Beams (Secondary Beams at Ducts)	Ton	0.093	

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Name of Agency : M/s SIMHAA CONSTRUCTIONS
Project: AMTZ Medpolis Square 4554 Pvt.Ltd.
Work: RCC works for floor beams and tie beams in level 03 of AMTZ 4554
RAR No: 76

Level 03 (3rd Floor) - Out Side Duct Tie Beam RCC Works

MEASURMENT SHEET

SL.no.	Item Head	Item Description	L	W	D	Nos	Qty	UOM	Remarks
3	**Lockset - Anchoring = #8mm Rebars**	**Anchoring @ Duct Masonry Wall C C Bed**	No.of. Items	No.of Bars	No.of Locations		Qty	Uom	
		grid A-1 Duct	2	2	2		8		
		grid A-2 Duct	2	2	2		8		
		grid A-3 Duct	2	2	2		8		
		grid A-4 Duct	2	2	2		8		
		grid A-5 Duct	2	2	2		8		
		grid A-6 Duct	2	2	2		8		
		grid A-7 Duct	2	2	2		8		
		grid E-1 Duct	2	2	2		8		
		grid E-2 Duct	2	2	2		8		
		grid E-3 Duct	2	2	2		8		
		grid E-4 Duct	2	2	2		8		
		grid E-5 Duct	2	2	2		8		
		grid E-6 Duct	2	2	2		8		
		grid E-7 Duct	2	2	2		8		
		grid D-7 Duct	2	2	2		8		
		grid C-1 Duct	2	2	2		8		
						Total Qty in No's	**128.000**	**No's**	
4	**Tie Beam RCC**	**Duct Tie Beam | 150x300 | at 3.0m Lvl**							
		grid A-1 Duct	9.500	0.150	0.300	1	0.430	Cum	
		grid A-2 Duct	7.025	0.150	0.300	1	0.320	Cum	
		grid A-3 Duct	7.025	0.150	0.300	1	0.320	Cum	
		grid A-4 Duct	8.100	0.150	0.300	1	0.360	Cum	
		grid A-5 Duct	7.600	0.150	0.300	1	0.340	Cum	
		grid A-6 Duct	7.600	0.150	0.300	1	0.340	Cum	
		grid A-7 Duct	9.450	0.150	0.300	1	0.430	Cum	
		grid E-1 Duct	9.500	0.150	0.300	1	0.430	Cum	
		grid E-2 Duct	7.025	0.150	0.300	1	0.320	Cum	
		grid E-3 Duct	7.025	0.150	0.300	1	0.320	Cum	
		grid E-4 Duct	8.100	0.150	0.300	1	0.360	Cum	
		grid E-5 Duct	7.600	0.150	0.300	1	0.340	Cum	
		grid E-6 Duct	7.600	0.150	0.300	1	0.340	Cum	
		grid E-7 Duct	9.450	0.150	0.300	1	0.430	Cum	
		grid D-7 Duct	3.900	0.150	0.300	1	0.180	Cum	
		grid C-1 Duct	5.450	0.150	0.300	1	0.250	Cum	
						Total Qty in Cum	**5.510**	**Cum**	
5	**Tie Beam Form Work**	**Duct Tie Beam | 150x300 | at 3.0m Lvl**							
		grid A-1 Duct - Outer	9.950		0.300	1	2.985	Sqm	
		grid A-1 Duct - Inner	9.050		0.300	1	2.715	Sqm	
		grid A-2 Duct - Outer	7.325		0.300	1	2.198	Sqm	
		grid A-2 Duct - Inner	6.725		0.300	1	2.018	Sqm	
		grid A-3 Duct - Outer	7.325		0.300	1	2.198	Sqm	
		grid A-3 Duct - Inner	6.725		0.300	1	2.018	Sqm	
		grid A-4 Duct - Outer	8.400		0.300	1	2.520	Sqm	
		grid A-4 Duct - Inner	7.800		0.300	1	2.340	Sqm	
		grid A-5 Duct - Outer	7.900		0.300	1	2.370	Sqm	
		grid A-5 Duct - Inner	7.300		0.300	1	2.190	Sqm	

For M/s. SIMHAA CONSTRUCTIONS
(KAN RAJU)
Managing Partner

Level 03 (3rd Floor) - Out Side Duct Tie Beam RCC Works

MEASURMENT SHEET

Sl no	Item Head	Item Description	L	W	D	Nos	Qty	UOM	Remarks
		grid A-6 Duct - Outer	7.900		0.300	1	2.370	Sqm	
		grid A-6 Duct - Inner	7.300		0.300	1	2.190	Sqm	
		grid A-7 Duct - Outer	9.900		0.300	1	2.970	Sqm	
		grid A-7 Duct - Inner	9.000		0.300	1	2.700	Sqm	
		grid E-1 Duct - Outer	9.950		0.300	1	2.985	Sqm	
		grid E-1 Duct - Inner	9.050		0.300	1	2.715	Sqm	
		grid E-2 Duct - Outer	7.325		0.300	1	2.198	Sqm	
		grid E-2 Duct - Inner	6.725		0.300	1	2.018	Sqm	
		grid E-3 Duct -Outer	7.325		0.300	1	2.198	Sqm	
		grid E-3 Duct -Inner	6.725		0.300	1	2.018	Sqm	
		grid E-4 Duct -Outer	8.400		0.300	1	2.520	Sqm	
		grid E-4 Duct -Inner	7.800		0.300	1	2.340	Sqm	
		grid E-5 Duct -Outer	7.900		0.300	1	2.370	Sqm	
		grid E-5 Duct -Inner	7.300		0.300	1	2.190	Sqm	
		grid E-6 Duct -Outer	7.900		0.300	1	2.370	Sqm	
		grid E-6 Duct -Inner	7.300		0.300	1	2.190	Sqm	
		grid E-7 Duct -Outer	9.900		0.300	1	2.970	Sqm	
		grid E-7 Duct -Inner	9.000		0.300	1	2.700	Sqm	
		grid D-7 Duct -Outer	4.200		0.300	1	1.260	Sqm	
		grid D-7 Duct - Inner	3.600		0.300	1	1.080	Sqm	
		grid C-1 Duct -Outer	5.750		0.300	1	1.725	Sqm	
		grid C-1 Duct -Inner	5.150		0.300	1	1.545	Sqm	
						Total Qty in Sqm	**73.170**	**Sqm**	

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Name of Agency : M/s SIMHAA CONSTRUCTIONS
Project: AMTZ Medpolis Square 4554 Pvt.Ltd.
Work: RCC works for floor beams and tie beams in level 03 of AMTZ 4554
RAR No: 76

FLOOR BEAM RCC WORKS

MEASURMENT SHEET

Sl no	Item Head	Item Description	L	W	D	Nos	Qty	UOM	Remarks
	Level 03 (3rd Floor)	**Floor Beam [150x150 mm]**							
1	**Shuttering**	FB in between grid A1 to A2	4.15		0.15	2	1.25	Sqm	
		FB in between grid A3 to A4	4.40		0.15	2	1.32	Sqm	
		FB in between grid A4 to A5	4.40		0.15	2	1.32	Sqm	
		FB in between grid A5 to A6	4.40		0.15	2	1.32	Sqm	
		FB in between grid A6 to A7	4.40		0.15	2	1.32	Sqm	
		FB in between grid E1 to E2	4.40		0.15	2	1.32	Sqm	
		FB in between grid E2 to E3	3.30		0.15	2	0.99	Sqm	
		FB in between grid E3 to E4	4.40		0.15	2	1.32	Sqm	
		FB in between grid E4 to E5	4.40		0.15	2	1.32	Sqm	
		FB in between grid E5 to E6	4.40		0.15	2	1.32	Sqm	
		FB in between grid E6 to E7	4.40		0.15	2	1.32	Sqm	
		FB in between grid 7 - A to B	7.28		0.15	2	2.18	Sqm	
		FB in between grid 7 - B to C	7.83		0.15	2	2.35	Sqm	
		FB in between grid 7 - C to D	6.45		0.15	2	1.94	Sqm	
		FB in between grid 7 - D to E	6.55		0.15	2	1.97	Sqm	
		FB in between grid 1 - A to B	7.93		0.15	2	2.38	Sqm	
		FB in between grid 1 - B to C	6.62		0.15	2	1.99	Sqm	
		FB in between grid 1 - C to D	6.58		0.15	2	1.97	Sqm	
		FB in between grid 7 - D to E	7.93		0.15	2	2.38	Sqm	
						Total Qty in Sqm	**31.26**		

2	RCC M35	FB in between grid A1 to A2	4.15	0.15	0.15	1	0.09	Cum	
		FB in between grid A3 to A4	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid A4 to A5	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid A5 to A6	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid A6 to A7	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid E1 to E2	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid E2 to E3	3.30	0.15	0.15	1	0.07	Cum	
		FB in between grid E3 to E4	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid E4 to E5	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid E5 to E6	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid E6 to E7	4.40	0.15	0.15	1	0.10	Cum	
		FB in between grid 7 - A to B	7.28	0.15	0.15	1	0.16	Cum	
		FB in between grid 7 - B to C	7.83	0.15	0.15	1	0.18	Cum	
		FB in between grid 7 - C to D	6.45	0.15	0.15	1	0.15	Cum	
		FB in between grid 7 - D to E	6.55	0.15	0.15	1	0.15	Cum	
		FB in between grid 1 - A to B	7.93	0.15	0.15	1	0.18	Cum	
		FB in between grid 1 - B to C	6.62	0.15	0.15	1	0.15	Cum	
		FB in between grid 1 - C to D	6.58	0.15	0.15	1	0.15	Cum	
		FB in between grid 7 - D to E	7.93	0.15	0.15	1	0.18	Cum	
						Total Qty in Cum	**2.34**		

3	Lock Set - Anchoring Works = 8mm rebars	Locations	Length	Spacing (M)	No.of Anchorings	No.of Sides	Total No's		
		FB in between grid A1 to A2	4.15	0.30	15.00	2	30.00	No's	
		FB in between grid A3 to A4	4.40	0.30	15.00	2	30.00	No's	
		FB in between grid A4 to A5	4.40	0.30	15.00	2	30.00	No's	
		FB in between grid A5 to A6	4.40	0.30	15.00	2	30.00	No's	
		FB in between grid A6 to A7	4.40	0.30	15.00	2	30.00	No's	
		FB in between grid E1 to E2	4.40	0.30	15.00	2	30.00	No's	
		FB in between grid E2 to E3	3.30	0.30	12.00	2	24.00	No's	
		FB in between grid E3 to E4	4.40	0.30	15.00	2	30.00	No's	
		FB in between grid E4 to E5	4.40	0.30	15.00	2	30.00	No's	
		FB in between grid E5 to E6	4.40	0.30	15.00	2	30.00	No's	
		FB in between grid E6 to E7	4.40	0.30	15.00	2	30.00	No's	

For M/s. SIMHAA CONSTRUCTIONS

TKAN RAJU
Managing Partner

FLOOR BEAM RCC WORKS

MEASURMENT SHEET

Sl no	Item Head	Item Description	L	W	D	Nos	Qty	UOM	Remarks
		FB in between grid 7 - A to B	7.28	0.30	25.00	2	50.00	No's	
		FB in between grid 7. - B to C	7.83	0.30	27.00	2	54.00	No's	
		FB in between grid 7 - C to D	6.45	0.30	22.00	2	44.00	No's	
		FB in between grid 7 - D to E	6.55	0.30	23.00	2	46.00	No's	
		FB in between grid 1 - A to B	7.93	0.30	27.00	2	54.00	No's	
		FB in between grid 1 - B to C	6.62	0.30	23.00	2	46.00	No's	
		FB in between grid 1 - C to D	6.58	0.30	23.00	2	46.00	No's	
		FB in between grid 1 - D to E	7.93	0.30	27.00	2	54.00	No's	
						Total Qty in No's	**718.00**		

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Name of Agency : M/s SIMHAA CONSTRUCTIONS
Project: AMTZ Medpolis Square 4554 Pvt.Ltd.
Work: RCC works for floor beams and tie beams in level 03 of AMTZ 4554
RAR No: 76

out Side Ducts Additional Beams

MEASUREMENT SHEET

Sl no	Sub Head	Item Description	L	W	D	Nos	Qty	UOM	Remarks
1	**Level 03 (Slab 05) Rcc Works RCC M35**	**Addl.Beams (Secondary Beams at Ducts)**							
	Slab 05	at grid A1 Duct	1.000	0.300	0.925	1	0.278	Cum	
	Slab 05	at grid E1 Duct	1.000	0.300	0.925	1	0.278	Cum	
	Slab 05	at grid A7 Duct	1.000	0.300	0.925	1	0.278	Cum	
	Slab 05	at grid E7 Duct	1.000	0.300	0.925	1	0.278	Cum	
					Total Qty in Cum		**1.11**		
2	**Form Work**								
	Slab 05	at grid A1 Duct	1.000	0.300	0.925	1	2.150	Sqm	
	Slab 05	at grid E1 Duct	1.000	0.300	0.925	1	2.150	Sqm	
	Slab 05	at grid A7 Duct	1.000	0.300	0.925	1	2.150	Sqm	
	Slab 05	at grid E7 Duct	1.000	0.300	0.925	1	2.150	Sqm	
					Total Qty in Sqm		**8.60**		

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

RA 76 - TF - Duct Outer Tie Beams at 3.0m Lvl

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particulars / Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Development Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members	Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
Grid A-01 ; Duct Tie Beam																										
grid A - 01 - 0.65 M long Beam	600	150	300	Top Main	12 mm			25		650 200 200 2 90 bends	12	24	36	48	0.802	3	x 1 =	3	2.406			2.406				
				Dowel bars - T&B	12 mm				780	780 0 0 0 90 bends	12	24	36	48	0.780	3	x 1 =	3	2.340			2.340				
				Bot Main	16 mm					550 200 200 2 90 bends	16	32	48	64	0.886	3	x 1 =	3	2.658				2.658			
				Dowel bars - T&B	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x 1 =	3	2.820				2.820			
150	300	300	100 c/c c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.596	4	x 1 =	4	3.184	3.184						
grid A - 01 - 6.05 M long Beam	6050	150	300	Top Main	12 mm			25		6050 200 200 2 90 bends	12	24	36	48	6.252	3	x 1 =	3	19.656			19.656				
				Dowel bars - T&B	12 mm				0	0 0 0 0 90 bends	12	24	36	48	0.000	3	x 1 =	3	0.000			0.000				
				Bot Main	16 mm					6050 200 200 2 90 bends	16	32	48	64	6.236	3	x 1 =	3	19.008				19.008			
				Dowel bars - T&B	16 mm				0	0 0 0 0 90 bends	16	32	48	64	0.000	3	x 1 =	3	0.000				0.000			
150	300	5750	100 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.596	59	x 1 =	59	46.964	46.964						
grid A - 01 - 2.00 M long Beam	2.000	150	300	Top Main	12 mm			25		2050 200 200 2 90 bends	12	24	36	48	2.402	3	x 1 =	3	7.206			7.206				
				Dowel bars - T&B	12 mm				780	780 0 0 0 90 bends	12	24	36	48	0.780	3	x 1	3	2.340			2.340				
				Bot Main	16 mm					2050 200 200 2 90 bends	16	32	48	64	2.386	3	x 1 =	3	7.158				7.158			
				Dowel bars - T&B	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x 1 =	3	2.820				2.820			

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Develop Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
(Typ	300	1800	100 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.796	19	x	1	=	19	15.124	15.124						
Grid A-03 : 2-0 M long Beam	1200	150	200	Top Main	12 mm			25		1150 200 200 2-90 bends	12	24	36	48	1.502	3	x	1	=	3	4.506			4.506				
				Dowel bars - T&B Bot. Main	12 mm				780	780 0 0 0-90 bends	12	24	36	48	0.780	3	x	1	=	3	2.340			2.340				
					16 mm					1150 200 200 2-90 bends	16	32	48	64	1.486	3	x	1	=	3	4.458				4.458			
				Dowel bars - T&B Stirrups	16 mm				940	940 0 0 0-90 bends	16	32	48	64	0.940	3	x	1	=	3	2.820				2.820			
(Typ	300	900	100 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.796	10	x	1	=	10	7.960	7.960						
Grid A-02 : Duct Tie Beam grid A - 02 - 4.925 M long Beam	4925	150	300	Top Main	12 mm			25		4875 200 200 2-90 bends	12	24	36	48	5.227	3	x	1	=	3	15.681			15.681				
				Dowel bars - T&B Bot. Main	12 mm				0	0 0 0 0-90 bends	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
					16 mm					4875 200 200 2-90 bends	16	32	48	64	5.211	3	x	1	=	3	15.633				15.633			
				Dowel bars - T&B Stirrups	16 mm				0	0 0 0 0-90 bends	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
(Typ	300	4925	100 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.796	47	x	1	=	47	37.412	37.412						
grid A - 02 - 1.2 M long Beam-02 nos	1200	150	300	Top Main	12 mm			25		1150 200 200 2-90 bends	12	24	36	48	1.502	3	x	2	=	6	9.012			9.012				
				Dowel bars - T&B Bot. Main	12 mm				780	780 0 0 0-90 bends	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				
					16 mm					1150 200 200 2-90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel	16 mm				940	940	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size			Bar Detail	Dia	Spacing Of Bar	Bend/ Devp. Length	Cover	Overlap	Bar Shape	Bend Deductions				Cutting Length	No. of Bars				Total Length	Total Length with Dia. (m)						
	L (mm)	B (mm)	H (mm)	Particular Placing of Bar	mm		mm	mm			45°	90°	135°	180°	(m)	No. of Bars	No. of Members		Total Nos.	m	8	10	12	16	20	25	32
150	300	900	100 mm c/c	bars - T&B Stirrups	8 mm	100 mm c/c		25		0 / 0 0 90 bends 96 250 100	8	16	24	32	0.796	10	x 2	=	20	15.920	15.920						
Grid A-03 : Duct Tie Beam																											
grid A-03 - 4.925 M long Beam	4925	150	300	Top Main	12 mm			25		4875 200 200 2 90 bends	12	24	36	48	5.222	3	x 1	=	3	15.681			15.681				
				Dowel bars - T&B	12 mm				0	0 0 0 0 90 bends	12	24	36	48	0.000	3	x 1	=	3	0.000			0.000				
				Bot. Main	16 mm					4875 200 200 2 90 bends	16	32	48	64	5.211	3	x 1	=	3	15.633				15.633			
				Dowel bars - T&B	16 mm				0	0 0 0 0 90 bends	16	32	48	64	0.000	3	x 1	=	3	0.000				0.000			
154	300	4625	100 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.796	47	x 1	=	47	37.412	37.412						
grid A-05 - 1.20 M long Beam - 492 nos	1200	150	300	Top Main	12 mm			25		1150 200 200 2 90 bends	12	24	36	48	1.502	3	x 2	=	6	9.012			9.012				
				Dowel bars - T&B	12 mm				780	780 0 0 0 90 bends	12	24	36	48	0.780	3	x 2	=	6	4.680			4.680				
				Bot. Main	16 mm					1150 200 200 2 90 bends	16	32	48	64	1.486	3	x 2	=	6	8.916				8.916			
				Dowel bars - T&B	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x 2	=	6	5.640				5.640			
155	300	900	100 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.796	10	x 2	=	20	15.920	15.920						
Grid A-04 : Duct Tie Beam																											
grid A-04 - 6.3 M long Beam	6300	150	300	Top Main	12 mm			25		6050 200 200 2 90 bends	12	24	36	48	6.302	3	x 1	=	3	18.906			18.906				
				Dowel bars - T&B	12 mm				0	0 0 0 0 90 bends	12	24	36	48	0.000	3	x 1	=	3	0.000			0.000				
				Bot. Main	16 mm					6050	16	32	48	64	6.286	3	x 1	=	3	18.858				18.858			

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Devp Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
250	300	3700	100 mm c.c	Dowel bars - T&B	16 mm				0	200 2-90 bends 0 0 0 0-90 bends	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
				Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	58	x	1	=	58	46.168	46.168						
grid A - 04 - 1.20 M long Beam +0.2 mm	1200	150	300	Top Main	12 mm			25		1150 200 200 2-90 bends	12	24	36	48	1.502	3	x	2	=	6	9.012			9.012				
				Dowel bars - T&B	12 mm				780	780 0 0 0-90 bends	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				
				Bot. Main	16 mm					1150 200 200 2-90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel bars - T&B	16 mm				940	940 0 0 0-90 bends	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			
150	500	900	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	10	x	2	=	20	15.920	15.920						
Grid A-05 : Duct Tie Beam																												
grid A - 05 - 5.50 M long Beam	5500	150	300	Top Main	12 mm			25		5350 200 200 2-90 bends	12	24	36	48	5.802	3	x	1	=	3	17.406			17.406				
				Dowel bars - T&B	12 mm				0	0 0 0 0-90 bends	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
				Bot. Main	16 mm					5450 200 200 2-90 bends	16	32	48	64	5.786	3	x	1	=	3	17.358				17.358			
				Dowel bars - T&B	16 mm				0	0 0 0 0-90 bends	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
150	300	5200	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	53	x	1	=	53	42.188	42.188						
grid A - 05 - 1.20 M long Beam +0.2 mm	1200	150	300	Top Main	12 mm			25		1150 200 200 2-90 bends	12	24	36	48	1.502	3	x	2	=	6	9.012			9.012				
				Dowel bars -	12 mm				780	780 0 0	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Devp Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
				T&B Bot. Main	16 mm					0 90 bends 1150 200 200 2 90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel bars - T&B	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			
150	300	900	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	10	x	2	=	20	15.920	15.920						
Grid A-06 : Duct Tie Beam																												
grid A - 06 - 5.50 M long Beam	5500	150	500	Top Main	12 mm			25		5450 200 200 2 90 bends	12	24	36	48	5.802	3	x	1	=	3	17.406			17.406				
				Dowel bars - T&B	12 mm				0	0 0 0 0 90 bends	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
				Bot. Main	16 mm					5450 200 200 2 90 bends	16	32	48	64	5.786	3	x	1	=	3	17.358				17.358			
				Dowel bars - T&B	16 mm				0	0 0 0 0 90 bends	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
150	300	5200	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	53	x	1	=	53	42.188	42.188						
grid A - 09 - 1.20 M long Beam - 02 nos	1200	150	300	Top Main	12 mm			25		1150 200 200 2 90 bends	12	24	36	48	1.502	3	x	2	=	6	9.012			9.012				
				Dowel bars - T&B	12 mm				780	780 0 0 0 90 bends	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				
				Bot. Main	16 mm					1150 200 200 2 90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel bars - T&B	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			
150	300	900	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	10	x	2	=	20	15.920	15.920						
Grid A-07 : Duct Tie Beam																												
grid A - 07 - 0.60 M long Beam	600	150	300	Top Main	12 mm			25		550 200 200	12	24	36	48	0.902	3	x	1	=	3	2.706			2.706				

For M/s. SIMHAA CONSTRUCTIONS

(RAN RAJU)
Managing Partner

Member	Size			Bar Detail	Dia	Spacing Of Bar	Bend/ Devp Length	Cover	Overlap	Bar Shape	Bend Deductions				Cutting Length	No. of Bars				Total Length	Total Length with Dia. (m)						
	L (mm)	B (mm)	H (mm)	Particular Placing of Bar	mm		mm	mm			45°	90°	135°	180°	(m)	No. of Bars	No. of Members		Total Nos.	m	8	10	12	16	20	25	32
				Dowel bars - T&B Bot. Main	12 mm				780	2-90 bends 780 0 0 0-90 bends	12	24	36	48	0.780	3	x 1	=	3	2.340			2.340				
					16 mm					200 550 200 2-90 bends	16	32	48	64	0.886	3	x 1	=	3	2.658				2.658			
				Dowel bars - T&B Stirrups	16 mm				940	940 0 0 0-90 bends	16	32	48	64	0.940	3	x 1	=	3	2.820				2.820			
150	300	500	600 mm c.c		8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	4	x 1	=	4	3.184	3.184						
grid A - 0.7 - 6.5 M long Beam	6000	150	500	Top Main	12 mm			25		6350 200 200 2-90 bends	12	24	36	48	6.302	3	x 1	=	3	18.906			18.906				
				Dowel bars - T&B Bot. Main	12 mm				0	0 0 0 0-90 bends	12	24	36	48	0.000	3	x 1	=	3	0.000			0.000				
					16 mm					2950 200 200 2-90 bends	16	32	48	64	6.286	3	x 1	=	3	18.858				18.858			
				Dowel bars - T&B Stirrups	16 mm				0	0 0 0 0-90 bends	16	32	48	64	0.000	3	x 1	=	3	0.000				0.000			
150	300	5700	600 mm c.c		8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	58	x 1		58	46.168	46.168						
grid A - 0.7 - 2.15 M long Beam	2150	150	300	Top Main	12 mm			25		2100 200 200 2-90 bends	12	24	36	48	2.452	3	x 1	=	3	7.356			7.356				
				Dowel bars - T&B Bot. Main	12 mm				780	780 0 0 0-90 bends	12	24	36	48	0.780	3	x 1	=	3	2.340			2.340				
					16 mm					2160 200 200 2-90 bends	16	32	48	64	2.436	3	x 1	=	3	7.308				7.308			
				Dowel bars - T&B Stirrups	16 mm				940	940 0 0 0-90 bends	16	32	48	64	0.940	3	x 1	=	3	2.820				2.820			
150	300	1850	600 mm c.c		8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	20	x 1	=	20	15.920	15.920						
grid A - 0.7 - 1.25	1200	150	300	Top Main	12 mm			25		1150	12	24	36	48	1.502	3	x 1	=	3	4.506			4.506				

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Devp Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members	Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
N long Beam																										
				Dowel bars - T&B Bot Main	12 mm				780	200 ┌──┐ 200 2 90 bends 780 0 └──┘ 0 0 90 bends	12	24	36	48	0.780	3	x 1 =	3	2.340			2.340				
					16 mm					1150 200 └──┘ 200 2 90 bends	16	32	48	64	1.480	3	x 1 =	3	4.458				4.458			
				Dowel bars - T&B	16 mm				940	940 0 └──┘ 0 0 90 bends	16	32	48	64	0.940	3	x 1 =	3	2.820				2.820			
150	300	900	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 ┌──┐ 250 100	8	16	24	32	0.796	10	x 1 =	10	7.960	7.960						
Grid E-01 : Duct Tie Beam																										
grid E-01 - 6.050 M long Beam	600	150	300	Top Main	12 mm			25		550 200 └──┘ 200 2 90 bends	12	24	36	48	0.902	3	x 1 =	3	2.706			2.706				
				Dowel bars - T&B Bot Main	12 mm				780	780 0 └──┘ 0 0 90 bends	12	24	36	48	0.780	3	x 1 =	3	2.340			2.340				
					16 mm					550 200 └──┘ 200 2 90 bends	16	32	48	64	0.886	3	x 1 =	3	2.658				2.658			
				Dowel bars - T&B	16 mm				940	940 0 └──┘ 0 0 90 bends	16	32	48	64	0.940	3	x 1 =	3	2.820				2.820			
150	200	300	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 ┌──┐ 250 100	8	16	24	32	0.796	4	x 1 =	4	3.184	3.184						
grid E-01 - 6.050 M long Beam	6050	150	300	Top Main	12 mm			25		6000 200 └──┘ 200 2 90 bends	12	24	36	48	6.252	3	x 1 =	3	19.056			19.056				
				Dowel bars - T&B Bot Main	12 mm				0	0 0 └──┘ 0 0 90 bends	12	24	36	48	0.000	3	x 1 =	3	0.000			0.000				
					16 mm					6000 200 └──┘ 200 2 90 bends	16	32	48	64	6.356	3	x 1 =	3	19.068				19.068			
				Dowel bars - T&B	16 mm				0	0 0 └──┘ 0 0 90 bends	16	32	48	64	0.000	3	x 1 =	3	0.000				0.000			
150	200	5750	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 ┌──┐ 250	8	16	24	32	0.796	59	x 1 =	59	46.964	46.964						

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particulars Placed of Bar	Dia mm	Spacing Of Bar	Bend/ Development Length mm	Cover mm	Overlap	Bar Shape (m)	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
										2050	12	24	36	48	2.402	3	x	1	=	3	7.206			7.206				
grid E-01 - 2.1D M Beam Beam	2100	150	300	Top Main	12 mm			25		200 L 200; 2 90 bends																		
									780	780	12	24	36	48	0.780	3	x	1	=	3	2.340			2.340				
				Dowel bars - T&B	12 mm					0 L 0; 0 90 bends																		
				Bot Main	16 mm					2050	16	32	48	64	2.386	3	x	1	=	3	7.158				7.158			
										200 L 200; 2 90 bends																		
				Dowel bars - T&B	16 mm				940	940	16	32	48	64	0.940	3	x	1	=	3	2.820				2.820			
										0 L 0; 0 90 bends																		
150	300	1800	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 ▭ 250; 100	8	16	24	32	0.796	10	x	1	=	10	15.124	15.124						
										1150	12	24	36	48	1.502	3	x	1	=	3	4.506			4.506				
grid D-01 - 1.2D M beam Beam	1200	150	700	Top Main	12 mm			25		200 L 200; 2 90 bends																		
									780	780	12	24	36	48	0.780	3	x	1	=	3	2.340			2.340				
				Dowel bars - T&B	12 mm					0 L 0; 0 90 bends																		
				Bot Main	16 mm					1150	16	32	48	64	1.486	3	x	1	=	3	4.458				4.458			
										200 L 200; 2 90 bends																		
				Dowel bars - T&B	16 mm				940	940	16	32	48	64	0.940	3	x	1	=	3	2.820				2.820			
										0 L 0; 0 90 bends																		
150	300	900	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 ▭ 250; 100	8	16	24	32	0.796	10	x	1	=	10	7.960	7.960						
Grid E-02 : Duct Tie Beam																												
grid E-02 - 4.025 M beam Beam	4025	150	300	Top Main	12 mm			25		1875	12	24	36	48	5.227	3	x	1	=	3	15.681			15.681				
										200 L 200; 2 60 bends																		
				Dowel bars - T&B	12 mm				0	0	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
										0 L 0; 0 90 bends																		
				Bot Main	16 mm					4875	16	32	48	64	5.211	3	x	1	=	3	15.633				15.633			
										200 L 200; 2 90 bends																		
				Dowel bars - T&B	16 mm				0	0	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
										0 L 0; 0 90 bends																		
150	300	4025	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 ▭ 250; 100	8	16	24	32	0.796	47	x	1	=	47	37.412	37.412						

For M/s. SIMHAA CONSTRUCTIONS

(RAM RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Devp Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
										250 / 100																		
grid E - 02 - 1.20 M long Beam - 02 nos	1200	150	300	Top Main	12 mm			25		1150 / 200 200 / 2 - 90 bends	12	24	36	48	1.202	3	x	2	=	6	9.012			9.012				
				Dowel bars - T&B	12 mm				780	780 / 0 0 / 0 - 90 bends	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				
				Bot. Main	16 mm					1150 / 200 200 / 2 - 90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel bars - T&B	16 mm				940	940 / 0 0 / 0 - 90 bends	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			
150	300	900	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 / 250 / 100	8	16	24	32	0.796	10	x	2	=	20	15.926	15.926						
Grid E-03 , Duct Fire Beam																												
grid E - 03 - 4.925 M long Beam	4925	150	300	Top Main	12 mm			25		4925 / 200 200 / 2 - 90 bends	12	24	36	48	5.227	3	x	1	=	3	15.681			15.681				
				Dowel bars - T&B	12 mm				0	0 / 0 0 / 0 - 90 bends	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
				Bot. Main	16 mm					4875 / 200 200 / 2 - 90 bends	16	32	48	64	5.211	3	x	1	=	3	15.633				15.633			
				Dowel bars - T&B	16 mm				0	0 / 0 0 / 0 - 90 bends	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
150	300	4625	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 / 250 / 100	8	16	24	32	0.796	47	x	1	=	47	37.412	37.412						
grid E - 03 - 1.20 M long Beam - 02 nos	1200	150	300	Top Main	12 mm			25		1150 / 200 200 / 2 - 90 bends	12	24	36	48	1.202	3	x	2	=	6	9.012			9.012				
				Dowel bars - T&B	12 mm				780	780 / 0 0 / 0 - 90 bends	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				
				Bot. Main	16 mm					1150 / 200 200 / 2 - 90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel bars -	16 mm				940	940 / 0 0 / 0	16	32	48	64	0.940	3	x	2	=	6	5.640							

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Devp Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
156	300	900	100 mm c.c	T&B Stirrups	8 mm	100 mm c.c		25		0 90 bends 96 250 100	8	16	24	32	0.796	10	x	2	=	20	15.920	15.920						
Grid E-04 ; Duct Tie Beam																												
grid E-04 - 6.0 M long Beam	6000	150	300	Top Main	12 mm			25		5950 200 200 2 90 bends	12	24	36	48	6.302	3	x	1	=	3	18.906			18.906				
				Dowel bars - T&B	12 mm				0	0 0 0 0 90 bends	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
				Bot. Main	16 mm					5950 200 200 2 90 bends	16	32	48	64	6.286	3	x	1	=	3	18.858				18.858			
				Dowel bars - T&B	16 mm				0	0 0 0 0 90 bends	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
158	300	5700	100 mm c.c	T&B Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	58	x	1	=	58	46.168	46.168						
grid E-04 - 1.20 M long Beam - 02 nos	1200	150	300	Top Main	12 mm			25		1150 200 200 2 90 bends	12	24	36	48	1.502	3	x	2	=	6	9.012			9.012				
				Dowel bars - T&B	12 mm				780	780 0 0 0 90 bends	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				
				Bot. Main	16 mm					1150 200 200 2 90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel bars - T&B	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			
159	300	900	100 mm c.c	T&B Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	10	x	2	=	20	15.920	15.920						
Grid E-05 ; Duct Tie Beam																												
grid E-05 - 5.50 M long Beam	5500	150	300	Top Main	12 mm			25		5150 200 200 2 90 bends	12	24	36	48	5.802	3	x	1	=	3	17.406			17.406				
				Dowel bars - T&B	12 mm				0	0 0 0 0 90 bends	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
				Bot. Main	16 mm					5450 200 200	16	32	48	64	5.786	3	x	1	=	3	17.358				17.358			

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size			Bar Detail	Dia	Spacing Of Bar	Bend/ Devp Length	Cover	Overlap	Bar Shape	Bend Deductions				Cutting Length	No. of Bars				Total Length	Total Length with Dia. (m)						
	L (mm)	B (mm)	H (mm)	Particular Placing of Bar	mm		mm	mm			45°	90°	135°	180°	(m)	No. of Bars	No. of Members		Total Nos.	m	8	10	12	16	20	25	32
150	200	5200	100 mm c/c	Dowel bars - T&B Stirrups	16 mm 8 mm	100 mm c/c		25	0	2 90 bends 0 0 0 90 bends 96 250 100	16 8	32 16	48 24	64 32	0.000 0.796	3 x 1 53 x 1	=		3 53	0.000 42.188	42.188			0.000			
grid E - 06 - 1.29 M long Beam #02 nos 150	1200 360	150 900	900 100 mm c/c	Top Main Dowel bars - T&B Bot. Main Dowel bars - T&B Stirrups	12 mm 12 mm 16 mm 16 mm 8 mm	100 mm c/c		25 25	780 940 0	1150 200 200 2 90 bends 780 0 0 0 90 bends 1150 200 200 2 90 bends 940 0 0 0 90 bends 96 250 100	12 12 16 16 8	24 24 32 32 16	36 36 48 48 24	48 48 64 64 32	1.502 0.780 1.486 0.940 0.796	3 x 2 3 x 2 3 x 2 3 x 2 10 x 2	= = = = =		6 6 6 6 20	9.012 4.680 8.916 5.640 15.920	15.920		9.012 4.680	8.916 5.640			
Grid E-06 : Duct Tie Beam																											
grid E - 06 - 5.50 M long Beam 150	5500 300	150 5200	300 100 mm c/c	Top Main Dowel bars - T&B Bot. Main Dowel bars - T&B Stirrups	12 mm 12 mm 16 mm 16 mm 8 mm	100 mm c/c		25 25	0 0	5450 200 200 2 90 bends 0 0 0 0 90 bends 5450 200 200 2 90 bends 0 0 0 0 90 bends 96 250 100	12 12 16 16 8	24 24 32 32 16	36 36 48 48 24	48 48 64 64 32	5.802 0.000 5.786 0.000 0.796	3 x 1 3 x 1 3 x 1 3 x 1 53 x 1	= = = = =		3 3 3 3 53	17.406 0.000 17.358 0.000 42.188	42.188		17.406 0.000	17.358 0.000			
grid E - 06 - 1.29 M long Beam #02 nos 150	1200 360	150 900	900 100 mm c/c	Top Main Dowel bars - T&B Bot. Main Dowel bars - T&B Stirrups	12 mm 12 mm 16 mm 16 mm 8 mm	100 mm c/c		25 25	780 940 0	1150 200 200 2 90 bends 780 0 0 0 90 bends 1150 200 200 2 90 bends 940 0 0 0 90 bends 96 250 100	12 12 16 16 8	24 24 32 32 16	36 36 48 48 24	48 48 64 64 32	1.502 0.780 1.486 0.940 0.796	3 x 2 3 x 2 3 x 2 3 x 2 53 x 1	= = = = =		6 6 6 6 53	9.012 4.680 8.916 5.640 42.188	42.188		9.012 4.680	8.916 5.640			

For M/s. SIMHAA CONSTRUCTIONS

(KANNA RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Develop Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
				Bot. Main	16 mm					1150 200 200 2 90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel bars - T&B	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			
120	300	900	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	10	x	2	=	20	15.920	15.920						
Grid E-07 : Duct Tie Beam																												
grid E-07 - 0.00 M long Beam	600	150	300	Top Main	12 mm			25		550 200 200 2 90 bends	12	24	36	48	0.902	3	x	1	=	3	2.706			2.706				
				Dowel bars - T&B	12 mm				780	780 0 0 0 90 bends	12	24	36	48	0.780	3	x	1	=	3	2.340			2.340				
				Bot. Main	16 mm					550 200 200 2 90 bends	16	32	48	64	0.886	3	x	1	=	3	2.658				2.658			
				Dowel bars - T&B	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x	1	=	3	2.820				2.820			
150	200	300	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	4	x	1	=	4	3.184	3.184						
grid E-07 - 6.0 M long Beam	6000	150	300	Top Main	12 mm			25		5950 200 200 2 90 bends	12	24	36	48	6.302	3	x	1		3	18.906			18.906				
				Dowel bars - T&B	12 mm				0	0 0 0 0 90 bends	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
				Bot. Main	16 mm					5950 200 200 2 90 bends	16	32	48	64	6.286	3	x	1	=	3	18.858				18.858			
				Dowel bars - T&B	16 mm				0	0 0 0 0 90 bends	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
150	300	5700	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		96 250 100	8	16	24	32	0.796	58	x	1	=	58	46.168	46.168						
grid E-07 - 2.15 M long Beam	2150	150	300	Top Main	12 mm			25		2100 200 200 2 90 bends	12	24	36	48	2.452	3	x	1	=	3	7.356			7.356				
				Dowel	12 mm				780	780	12	24	36	48	0.780	3	x	1	=	3	2.340			2.340				

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Devp Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Members				Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
				bars - T&B Bot. Main	16 mm					0 0 90 bends 2100 200 200	16	32	48	64	2.436	3	x	1	=	3	7.308				7.308			
				Dowel bars - T&B	16 mm				940	2 90 bends 940 0 0	16	32	48	64	0.940	3	x	1	=	3	2.820				2.820			
150	300	1800	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		0 90 bends 96 250 100	8	16	24	32	0.796	20	x	1	=	20	15.920	15.920						
grid D-07 : 20 M long Beam	1200	150	300	Top Main	12 mm			25		1150 200 200	12	24	36	48	1.502	3	x	1	=	3	4.506			4.506				
				Dowel bars - T&B	12 mm				780	2 90 bends 780 0 0	12	24	36	48	0.780	3	x	1	=	3	2.340			2.340				
				Bot. Main	16 mm					0 90 bends 1150 200 200	16	32	48	64	1.486	3	x	1	=	3	4.458				4.458			
				Dowel bars - T&B	16 mm				940	2 90 bends 940 0 0	16	32	48	64	0.940	3	x	1	=	3	2.820				2.820			
150	300	900	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		0 90 bends 96 250 100	8	16	24	32	0.796	10	x	1	=	10	7.960	7.960						
Grid D-07 : Duct Tie Beam																												
grid D-07 : 30 M long Beam	3000	150	300	Top Main	12 mm			25		2950 200 200	12	24	36	48	3.302	3	x	1	=	3	9.906			9.906				
				Dowel bars - T&B	12 mm				0	2 90 bends 0 0 0	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
				Bot. Main	16 mm					0 90 bends 2950 200 200	16	32	48	64	3.286	3	x	1	=	3	9.858				9.858			
				Dowel bars - T&B	16 mm				0	2 90 bends 0 0 0	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
150	300	2700	100 mm c.c	Stirrups	8 mm	100 mm c.c		25		0 90 bends 96 250 100	8	16	24	32	0.796	28	x	1	=	28	22.288	22.288						
grid D-07 : 0.60 M long Beam	600	150	300	Top Main	12 mm			25		550 200 200	12	24	36	48	0.902	3	x	2	=	6	5.412							

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size			Bar Detail	Dia	Spacing Of Bar	Bend/ Devp Length	Cover	Overlap	Bar Shape	Bend Deductions				Cutting Length	No. of Bars				Total Length	Total Length with Dia. (m)						
	L (mm)	B (mm)	H (mm)	Particular Placing of Bar	mm		mm	mm			45°	90°	135°	180°	(m)	No. of Bars	No. of Members			Total Nos.	m	8	10	12	16	20	25	32
				Dowel bars - T&B Bot. Main	12 mm				780	2 90 bends 780 0 0 0 90 bends	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				
					16 mm					550 200 200 2 90 bends	16	32	48	64	0.886	3	x	2	=	6	5.316				5.316			
				Dowel bars - T&B Top Main	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			
150	300	300	300 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.796	4	x	2	=	8	6.368	6.368						
Grid C-01 : Duct Tie Beam																												
grid C - 01 - 1-20 3.350 M long Beam	3350	150	300	Top Main	12 mm			25		3300 200 200 2 90 bends	12	24	36	48	3.652	3	x	1	=	3	10.956			10.956				
				Dowel bars - T&B Bot. Main	12 mm				0	0 0 0 0 90 bends	12	24	36	48	0.000	3	x	1	=	3	0.000			0.000				
					16 mm					3300 200 200 2 90 bends	16	32	48	64	3.636	3	x	1	=	3	10.908				10.908			
				Dowel bars - T&B Top Main	16 mm				0	0 0 0 0 90 bends	16	32	48	64	0.000	3	x	1	=	3	0.000				0.000			
150	300	3050	300 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.796	32	x	1	=	32	25.472	25.472						
grid C - 01 - 1-20 M long Beam	1200	150	300	Top Main	12 mm			25		1150 200 200 2 90 bends	12	24	36	48	1.502	3	x	2	=	6	9.012			9.012				
				Dowel bars - T&B Bot. Main	12 mm				780	780 0 0 0 90 bends	12	24	36	48	0.780	3	x	2	=	6	4.680			4.680				
					16 mm					1150 200 200 2 90 bends	16	32	48	64	1.486	3	x	2	=	6	8.916				8.916			
				Dowel bars - T&B Top Main	16 mm				940	940 0 0 0 90 bends	16	32	48	64	0.940	3	x	2	=	6	5.640				5.640			
150	200	900	300 mm c/c	Stirrups	8 mm	100 mm c/c		25		96 250 100	8	16	24	32	0.796	10	x	2	=	20	15.920	15.920						

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size			Bar Detail	Dia	Spacing Of Bar	Bend/ Devp Length	Cover	Overlap	Bar Shape	Bend Deductions				Cutting Length	No. of Bars			Total Length	Total Length with Dia. (m)					
	L (mm)	B (mm)	H (mm)	Particulars Placing of Bar	mm		mm	mm			45°	90°	135°	180°	(m)	No. of Bars	No. of Members	Total Nos.	m	8	10	12	16	20	25	32
																	Total Length			932.912	0.000	513.702	528.486	0.000	0.000	0.000
																	Unit Weight In (Kg)			0.395	0.617	0.888	1.579	2.467	3.855	6.316
																	Total Weight In (KG)			368.500	0.000	456.167	834.479	0.000	0.000	0.000
																	Total Weight In (TON)			0.369	0.000	0.456	0.834	0.000	0.000	0.000
																	Total			1.659 Tons						

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)

Managing Partner

RA 76 - 3rd Floor- Floor Beams BBS

Member	Size			Bar Detail	Dia	Spacing Of Bar	Bend/ Devp Length	Cover	Overlap	Bar Shape	Bend Deductions				Cutting Length	No. of Bars				Total Length	Total Length with Dia. (m)						
	L (mm)	B (mm)	H (mm)	Particular Placing of Bar	mm		mm	mm			45°	90°	135°	180°	(m)	No. of Bars	No. of Members		Total Nos.	m	8	10	12	16	20	25	32
FB in between grid A1 to A2	4150	150	150	Top Main	8 mm			25		4100 0 0 2 90 bends	8	16	24	32	4.068	1	x 1	-	1	4.068	4.068						
				Bot. Main	8 mm					4100 0 0 2 90 bends	8	16	24	32	4.068	1	x 1	-	1	4.068	4.068						
150	150	4150	200 mm c.c	Stirrups	8 mm	200 mm c.c		25		96 100 100	8	16	24	32	0.496	0	x 1	-	0	0.000	0.000						
FB in between grid A3 to A4	4400	150	150	Top Main	8 mm			25		4350 0 0 2 90 bends	8	16	24	32	4.318	1	x 1	-	1	4.318	4.318						
				Bot. Main	8 mm					4350 0 0 2 90 bends	8	16	24	32	4.318	1	x 1	-	1	4.318	4.318						
150	150	4400	200 mm c.c	Stirrups	8 mm	200 mm c.c		25		96 100 100	8	16	24	32	0.496	0	x 1	-	0	0.000	0.000						
FB in between grid A4 to A5	4400	150	150	Top Main	8 mm			25		4350 0 0 2 90 bends	8	16	24	32	4.318	1	x 1	-	1	4.318	4.318						
				Bot. Main	8 mm					4350 0 0 2 90 bends	8	16	24	32	4.318	1	x 1	-	1	4.318	4.318						
150	150	4400	200 mm c.c	Stirrups	8 mm	200 mm c.c		25		96 100 100	8	16	24	32	0.496	0	x 1	-	0	0.000	0.000						
FB in between grid A5 to A6	4400	150	150	Top Main	8 mm			25		4350 0 0 2 90 bends	8	16	24	32	4.318	1	x 1	-	1	4.318	4.318						
				Bot. Main	8 mm					4350 0 0 2 90 bends	8	16	24	32	4.318	1	x 1	-	1	4.318	4.318						
150	150	4400	200 mm c.c	Stirrups	8 mm	200 mm c.c		25		96 100 100	8	16	24	32	0.496	0	x 1	-	0	0.000	0.000						
FB in between grid A6 to A7	4400	150	150	Top Main	8 mm			25		4350 0 0 2 90 bends	8	16	24	32	4.318	1	x 1	-	1	4.318	4.318						
				Bot. Main	8 mm					4350 0 0	8	16	24	32	4.318	1	x 1	-	1	4.318	4.318						

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Develop Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
150	150	4400	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		2 90 bends 96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid E1 to E2	4400	150	150	Top Main	8 mm			25		4350 0 0 2 90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
				Bot. Main	8 mm					4350 0 0 2 90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
150	150	4400	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid E2 to E3	3300	150	150	Top Main	8 mm			25		3250 0 0 2 90 bends	8	16	24	32	3.218	1	x	1	=	1	3.218	3.218						
				Bot. Main	8 mm					3250 0 0 2 90 bends	8	16	24	32	3.218	1	x	1	=	1	3.218	3.218						
150	150	3300	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid E3 to E4	4400	150	150	Top Main	8 mm			25		4350 0 0 2 90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
				Bot. Main	8 mm					4350 0 0 2 90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
150	150	4400	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid E4 to E5	4400	150	150	Top Main	8 mm			25		4350 0 0 2 90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
				Bot. Main	8 mm					4350 0 0 2 90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
150	150	4400	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid E5 to E6	4400	150	150	Top Main	8 mm			25		4350 0 0 2 90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						

For M/s. SIMHAA CONSTRUCTIONS

TKAN RAJU
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Desp Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
				Bot. Main	8 mm					4350 (0 / 0) 2-90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
150	150	4400	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid F6 to F7	4400	150	150	Top Main	8 mm			25		4350 (0 / 0) 2-90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
				Bot. Main	8 mm					4350 (0 / 0) 2-90 bends	8	16	24	32	4.318	1	x	1	=	1	4.318	4.318						
150	150	4400	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid 7 - A to B	7280	150	150	Top Main	8 mm			25		7230 (0 / 0) 2-90 bends	8	16	24	32	7.198	1	x	1	=	1	7.198	7.198						
				Bot. Main	8 mm					7230 (0 / 0) 2-90 bends	8	16	24	32	7.198	1	x	1	=	1	7.198	7.198						
150	150	7280	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid 7 - B to C	7830	150	150	Top Main	8 mm			25		7780 (0 / 0) 2-90 bends	8	16	24	32	7.748	1	x	1	=	1	7.748	7.748						
				Bot. Main	8 mm					7780 (0 / 0) 2-90 bends	8	16	24	32	7.748	1	x	1	=	1	7.748	7.748						
150	150	7830	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid 7 - C to D	6450	150	150	Top Main	8 mm			25		6400 (0 / 0) 2-90 bends	8	16	24	32	6.368	1	x	1	=	1	6.368	6.368						
				Bot. Main	8 mm					6400 (0 / 0) 2-90 bends	8	16	24	32	6.368	1	x	1	=	1	6.368	6.368						
150	150	6450	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between	6550	150	150	Top Main	8 mm			25		6500	8	16	24	32	6.468	1	x	1	=	1	6.468	6.468						

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend/ Dev.p Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members			Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
grid 7 - D to E				Bot. Main	8 mm					0 6500 0 2-90 bends	8	16	24	32	6.468	1	x	1	=	1	6.468	6.468						
150	150	6550	200 mm c/c	Stirrups	8 mm	200 mm c/c		25		0 6500 0 2-90 bends 96 100 100	8	16	24	32	0.496	0	x	1	=	0	0.000	0.000						
FB in between grid 1 - A to B	7930	150	150	Top Main	8 mm			25		7880 0 0 2-90 bends	8	16	24	32	7.848	1	x	1	=	1	7.848	7.848						
150	150	7930	200 mm c/c	Bot. Main Stirrups	8 mm 8 mm	200 mm c/c		25		7880 0 0 2-90 bends 96 100 100	8 8	16 16	24 24	32 32	7.848 0.496	1 0	x x	1 1	= =	1 0	7.848 0.000	7.848 0.000						
FB in between grid 1 - B to C	6620	150	150	Top Main	8 mm			25		6570 0 0 2-90 bends	8	16	24	32	6.538	1	x	1	=	1	6.538	6.538						
150	150	6620	200 mm c/c	Bot. Main Stirrups	8 mm 8 mm	200 mm c/c		25		6570 0 0 2-90 bends 96 100 100	8 8	16 16	24 24	32 32	6.538 0.496	1 0	x x	1 1	= =	1 0	6.538 0.000	6.538 0.000						
FB in between grid 1 - B to D	6580	150	150	Top Main	8 mm			25		6530 0 0 2-90 bends	8	16	24	32	6.498	1	x	1	=	1	6.498	6.498						
150	150	6580	200 mm c/c	Bot. Main Stirrups	8 mm 8 mm	200 mm c/c		25		6530 0 0 2-90 bends 96 100 100	8 8	16 16	24 24	32 32	6.498 0.496	1 0	x x	1 1	= =	1 0	6.498 0.000	6.498 0.000						
FB in between grid 1 - D to E	7930	150	150	Top Main	8 mm			25		7880 0 0 2-90 bends	8	16	24	32	7.848	1	x	1	=	1	7.848	7.848						
150	150	7930	200 mm c/c	Bot. Main Stirrups	8 mm 8 mm	200 mm c/c		25		7880 0 0 2-90 bends 96 100 100	8 8	16 16	24 24	32 32	7.848 0.496	1 0	x x	1 1	= =	1 0	7.848 0.000	7.848 0.000						

For M/s. SIMHAA CONSTRUCTIONS

(RAN RAJU)
Managing Partner

Member	Size			Bar Detail	Dia	Spacing Of Bar	Bend/ Deyp Length	Cover	Overlap	Bar Shape	Bend Deductions				Cutting Length	No. of Bars			Total Length	Total Length with Dia. (m)						
	L (mm)	B (mm)	H (mm)	Particular Placing of Bar	mm		mm	mm			45°	90°	135°	180°	(m)	No. of Bars	No. of Members	Total Nos.	m	8	10	12	16	20	25	32
										100																
																	Total Length			205.324	0.000	0.000	0.000	0.000	0.000	0.000
																	Unit Weight In (Kg)			0.395	0.617	0.888	1.579	2.467	3.855	6.316
																	Total Weight In (KG)			81.103	0.000	0.000	0.000	0.000	0.000	0.000
																	Total Weight In (TON)			0.081	0.000	0.000	0.000	0.000	0.000	0.000
																	Total			0.081 Tons						

for M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

RA 76 - Level 03 (Slab 05)- Addl.Beams at Duct- BBS

Member	Size L (mm)	Size B (mm)	Size H (mm)	Bar Detail Particular Placing of Bar	Dia mm	Spacing Of Bar	Bend Devp Length mm	Cover mm	Overlap	Bar Shape	Bend Deductions 45°	90°	135°	180°	Cutting Length (m)	No. of Bars No. of Bars	No. of Members	Total Nos.	Total Length m	Total Length with Dia. (m) 8	10	12	16	20	25	32
at grid A1 Duct	1000	500	450	Top Main	20 mm			0		1000 0 0 2 90 bends	20	40	60	80	0.920	3	x 1 =	3	2.760					2.760		
				Bot Main	20 mm					1000 0 0 2 90 bends	20	40	60	80	0.920	3	x 1 =	3	2.760					2.760		
500	450	1800	100 mm c/c	Stirrups	10 mm	100 mm c/c		25		120 400 250	10	20	30	40	1.420	11	x 1 =	11	15.620		15.620					
at grid F1 Duct	1000	700	450	Top Main	20 mm			0		1000 0 0 2 90 bends	20	40	60	80	0.920	3	x 1 =	3	2.760					2.760		
				Bot Main	20 mm					1000 0 0 2 90 bends	20	40	60	80	0.920	3	x 1 =	3	2.760					2.760		
500	450	1800	100 mm c/c	Stirrups	10 mm	100 mm c/c		25		120 400 250	10	20	30	40	1.420	11	x 1 =	11	15.620		15.620					
at grid A7 Duct 01 nos	1000	500	450	Top Main	20 mm			0		1000 0 0 2 90 bends	20	40	60	80	0.920	3	x 1 =	3	2.760					2.760		
				Bot Main	20 mm					1000 0 0 2 90 bends	20	40	60	80	0.920	3	x 1 =	3	2.760					2.760		
500	450	1800	100 mm c/c	Stirrups	10 mm	100 mm c/c		25		120 400 250	10	20	30	40	1.420	11	x 1 =	11	15.620		15.620					
at grid E7 Duct 01 nos	1000	500	450	Top Main	20 mm			0		1000 0 0 2 90 bends	20	40	60	80	0.920	3	x 1 =	3	2.760					2.760		
				Bot Main	20 mm					1000 0 0 2 90 bends	20	40	60	80	0.920	3	x 1 =	3	2.760					2.760		
500	450	1800	100 mm c/c	Stirrups	10 mm	100 mm c/c		25		120 400 250	10	20	30	40	1.420	11	x 1 =	11	15.620		15.620					
																Total Length				0.000	62.480	0.000	0.000	22.080	0.000	0.000
																Unit Weight In (kg)				0.395	0.617	0.888	1.579	2.467	3.855	6.316
																Total Weight In (KG)				0.000	38.550	0.000	0.000	54.471	0.000	0.000

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner

Member	Size			Bar Detail	Dia	Spacing Of Bar	Bend Devp Length	Cover	Overlap	Bar Shape	Bend Deductions				Cutting Length	No. of Bars			Total Length	Total Length with Dia. (m)						
	L (mm)	B (mm)	H (mm)	Particular Placing of Bar	mm		mm	mm			45°	90°	135°	180°	(m)	No. of Bars	No. of Members	Total Nos.	m	8	10	12	16	20	25	32
																	Total Weight In (TON)			0.000	0.039	0.000	0.000	0.054	0.000	0.000
																	Total			0.093 Tons						

For M/s. SIMHAA CONSTRUCTIONS

(KAN RAJU)
Managing Partner