



Rajesh Sales Corporation

www.rdsteellgroup.com

RSC

Deliver Quality Steel

SINCE 1997



VISION & MISSION

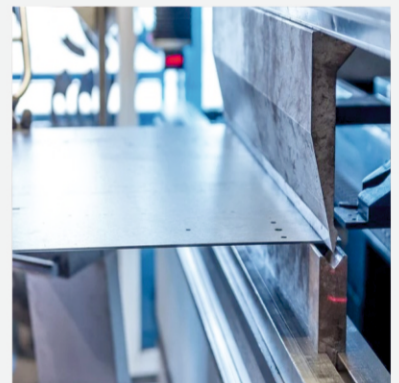
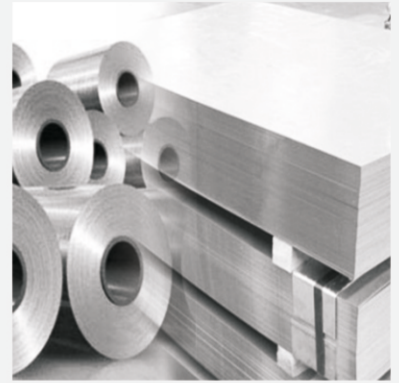
VISION

At, Rajesh Sales Corporation, we believe that our customers and suppliers are our partners. We do not see our business as transactions but as partnerships that go a long way in ensuring the growth of our respective organisations. It is these partnerships that will be instrumental in us achieving our vision.

MISSION

To Consistently Provide Quality Steel Products Ensuring Customer Satisfaction.

We firmly believe that our success depends on our customers and our suppliers choosing us. Our strength lies in working closely with them, enhancing value and creating trust with superior products, services and ideas.



Products offered-

- ◆ MS Round Pipe
- ◆ MS Square Pipe (SHS)
- ◆ MS Rectangular Hollow Pipe (RHS)
- ◆ Galvanised Sheet (GP) .3 mm to 3 mm
- ◆ Cold Rolled Sheet (CR) .82mm to 3 mm
- ◆ Hot Rolled Sheet (HR) 1.6mm to 5mm
- ◆ Colour Coated Sheets
- ◆ MS Plates 6mm to 100 mm
- ◆ Angle (ISA) & Channel (ISMC)
- ◆ Joist/Gadar/ISMB/Isection
- ◆ MS Chequered Plate
- ◆ Round & Square bar (TMT)
- ◆ MS Flat Bar 12mm to 400mm(width)
4mm to 50 mm (thickness)

An ISO 9001:2015 Certified Company

SPECIFICATION OF MS & GI Pipes

CONFORMING TO STRINGENT SPECIFICATIONS

The products conform to the following national specifications incorporating latest amendments Size range 15mm to 400mm (1/2" to 16")

A NATIONAL STANDARDS

- i) IS : 1239 - For ordinary use in water, gas & air. (Part-1)
- ii) IS : 1978 - Grade YST210 & 240 for use in oil and natural gas industries & fire fighting.
- iii) IS : 3589 - For water & sewage purposes.
- iv) IS : 4270 - Steel tubes for water wells (casing pipes).
- v) IS : 1161 - Steel tubes for structural purposes.
- vi) IS : 4923 - Hollow steel sections for structural purposes.
- vii) IS : 3601 - Steel tubes for mechanical & General engineering purposes.
- viii) IS : 9295 - Tubes for idlers for belt conveyors.

PHYSICAL PROPERTIES

Grade	Y.S. (min) MPa (Kgf/mm ²)	T.S. (min) MPa (Kgf/mm ²)	% age Elongation Min.
YST-210	210(21.42)	330(33.66)	20
YST-240	240(24.48)	410(41.82)	17
YST-310	310(31.62)	450(45.9)	14

TOLERANCES

Thickness

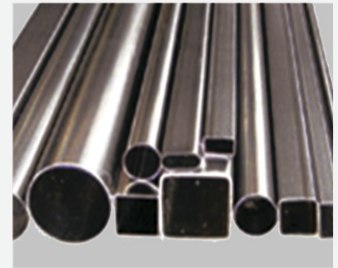
- 1. Light Tubes/ Medium and Heavy +not limited -8%
- 2. Medium and Heavy Tubes +not limited -10%

Outside diameter ± .75%

Weight Per Square Meter for Plates	
Plain Plates/ HR Sheets	
Thickness in mm	Weight in Kg
2	15.69
2.5	19.62
3	23.53
4	31.37
5	39.21
6	47.05
8	62.74
10	78.43
12	94.12
16	125.50
20	156.86
25	196.08
28	219.60
32	251.00
36	282.35
40	313.72

Standard formula for weight calculation of Sheets & Plates Length (in Meter) x Width (in Meter) x Thickness (mm) x 7.85

Available in Standard sizes such as 1250 x 2500 mm, 1250/1270 x 6300 mm, 1500 x 6300 mm, 1500 x 7 to 12 meter, 2000 x 7 to 12 meter



SECTION PROPERTIES (SPECIFICATION:IS:4923) SQUARE HOLLOW SECTIONS IS 4923			
SHS BXB MM	THICKNESS MM	WEIGHT KG/MTR.	WEIGHT PER LENGTH 6MTR.
20x20	1.20	0.70	4.20
	1.40	0.81	4.86
	1.50	0.87	5.22
	1.80	1.02	6.12
	2.00	1.15	6.90
	2.60	1.46	8.76
	3.20	1.68	10.08
25x25	1.20	0.89	5.34
	1.40	1.03	6.18
	1.50	1.10	6.60
	1.60	1.12	6.72
	1.80	1.30	7.80
	2.00	1.36	8.16
	2.60	1.69	10.14
3.20	1.98	11.88	
32x32	1.20	1.15	6.90
	1.40	1.34	8.04
	1.50	1.43	8.58
	1.80	1.70	10.20
	2.00	1.80	10.80
	2.60	2.26	13.56
	3.20	2.69	16.14
4.00	3.19	19.14	
38x38	1.20	1.38	8.28
	1.40	1.60	9.60
	1.50	1.71	10.26
	1.80	2.03	12.18
	2.00	2.18	13.08
	2.60	2.75	16.50
	3.20	3.29	19.74
4.00	3.95	23.70	
40X40	1.20	1.45	8.70
	1.40	1.69	10.14
	1.50	1.80	10.80
	1.80	2.15	12.90
	2.60	2.92	17.52
	2.90	3.21	19.26
	3.20	3.49	20.94
3.60	3.85	23.10	
4.00	4.20	25.20	

SHS BXB MM	THICKNESS MM	WEIGHT KG/MTR.	WEIGHT PER LENGTH 6MTR.	
50x50	1.20	1.83	10.98	
	1.40	2.12	12.72	
	1.50	2.27	13.62	
	1.80	2.71	16.26	
	2.60	3.69	22.14	
	2.90	4.07	24.42	
	3.60	4.93	29.58	
	4.50	5.95	35.70	
	60x60	1.60	2.92	17.52
		1.80	3.27	19.62
2.00		3.62	21.72	
2.60		4.55	27.30	
2.90		5.03	30.18	
3.20		5.50	33.00	
3.60		6.11	36.66	
4.00		6.71	40.26	
4.50		7.43	44.58	
4.80		7.85	47.10	
72x72	2.00	4.37	26.22	
	2.30	5.00	30.00	
	2.50	5.42	32.52	
	2.90	6.25	37.50	
	3.20	6.71	40.26	
	4.00	8.22	49.32	
80X80	2.00	4.87	29.22	
	2.30	5.58	33.48	
	2.50	6.05	36.30	
	2.90	6.98	41.88	
	3.20	7.51	45.06	
	4.00	9.22	55.32	
91.5X91.5	4.80	11.03	66.18	
	2.00	5.58	33.48	
	2.30	6.40	38.40	
	2.50	6.94	41.64	
	2.90	8.02	48.12	
	3.20	8.82	52.92	
	3.60	9.67	58.02	

SHS BXB MM	THICKNESS MM	WEIGHT KG/MTR.	WEIGHT PER LENGTH 6MTR.
91.5X91.5	4.00	10.92	65.52
	4.50	11.88	71.28
	4.80	12.98	77.91
	5.40	14.01	84.06
100X100	2.00	6.12	36.72
	2.50	7.61	45.66
	3.00	9.08	54.48
	3.50	10.54	63.24
	4.00	11.73	70.38
	5.00	14.41	86.46
113.5x113.5	6.00	16.98	101.88
	4.50	14.99	89.94
	4.80	15.92	95.52
	5.40	17.74	106.44
132x132	6.00	19.53	117.18
	4.80	18.71	112.26
	5.40	20.88	125.28
150x150	6.00	23.01	138.06
	4.00	18.01	108.06
	5.00	22.26	133.56
180x180	6.00	26.40	158.40
	7.00	30.44	182.64
	8.00	44.38	266.28
	4.00	21.78	130.68
220x220	5.00	26.97	161.82
	6.00	32.05	192.30
	7.00	33.03	198.18
	8.00	41.91	251.46
	4.00	26.61	159.66
250x250	5.00	33.25	199.50
	6.00	39.59	237.54
	7.00	45.83	274.98
	8.00	51.96	311.76
	10.00	65.52	393.12
	12.00	77.88	467.28
	4.00	30.57	183.42
250x250	5.00	37.96	227.76
	6.00	45.24	271.44
	7.00	52.42	314.52
	8.00	59.50	357.00
	10.00	74.88	449.28
	12.00	89.11	534.66

SECTION PROPERTIES(SPECIFICATION:IS:4923) RECTANGULAR HOLLOW SECTION IS 4923			
RHS DXB	THICKNESS	WEIGHT	WEIGHT
DXB MM	MM	KG/MTR.	LENGTH 6MTR
40X20	1.20	1.08	6.48
	1.40	1.25	7.50
	1.60	1.42	8.52
	1.80	1.58	9.48
	2.00	1.75	10.50
	2.60	2.22	13.32
	3.20	2.68	16.08
	4.00	3.24	19.44
40X25	1.20	1.17	7.02
	1.40	1.36	8.16
	1.60	1.54	9.24
	1.80	1.72	10.32
	2.00	1.90	11.40
	2.60	2.43	14.58
	3.20	2.93	17.58
	4.00	3.56	21.36
50X25	1.20	1.36	8.16
	1.40	1.58	9.48
	1.60	1.79	10.74
	1.80	2.00	12.00
	2.00	2.15	12.90
	2.60	2.71	16.26
	2.90	2.98	17.88
	3.20	3.24	19.44
60X40	1.20	1.83	10.98
	1.40	2.12	12.72
	1.60	2.42	14.52
	1.80	2.71	16.26
	2.00	3.00	18.00
	2.60	3.73	22.38
	2.90	4.12	24.72
	3.60	4.98	29.88
66X33	1.20	1.70	10.20
	1.40	1.97	11.82
	1.60	2.24	13.44
	1.80	2.51	15.06
	2.00	2.78	16.68
	2.60	3.69	22.14
	2.90	4.07	24.42

RHS DXB	THICKNESS	WEIGHT	WEIGHT
DXB MM	MM	KG/MTR.	LENGTH 6MTR
75x25	3.60	4.93	29.58
	4.50	5.95	35.70
	2.90	4.12	24.72
	3.20	4.50	27.00
	4.00	5.45	32.70
80x40	2.00	3.62	21.72
	2.60	4.55	27.30
	2.90	5.03	30.18
	3.20	5.50	33.00
	4.00	6.71	40.26
96x48	4.80	7.85	47.10
	1.60	3.51	21.06
	1.80	3.94	23.64
	2.00	4.37	26.22
	2.30	5.00	30.00
100x50	2.90	6.25	37.50
	3.20	6.71	40.26
	4.00	8.22	49.32
	4.80	9.66	57.96
	3.20	7.01	42.06
115x60	3.60	7.81	46.86
	4.00	8.59	51.54
	4.50	9.55	57.30
	5.40	11.21	67.26
	6.00	12.27	73.62
160x80	3.60	9.22	55.32
	4.50	11.32	67.92
	5.40	13.33	79.98
	6.00	14.63	87.78
	4.80	16.90	101.40
180x70	5.40	18.84	113.04
	6.00	20.75	124.50
	8.00	26.84	161.04
	4.80	17.65	105.90
	5.40	19.69	118.14
122x61	6.00	21.69	130.14
	8.00	28.09	168.54
	3.60	9.67	58.02
	4.50	11.88	71.28
	5.40	14.01	84.06
120x60	3.20	8.51	51.06
	3.60	9.50	57.00
	4.50	11.67	70.02

RHS DXB	THICKNESS	WEIGHT	WEIGHT
DXB MM	MM	KG/MTR.	LENGTH 6MTR
145x82	4.80	15.92	95.52
	5.40	17.74	106.44
172x92	4.80	18.71	112.26
	5.40	20.88	125.28
200x100	4.00	18.01	108.06
	5.00	22.26	133.56
	6.00	26.40	158.40
	7.00	30.44	182.64
220x140	8.00	34.38	206.28
	4.00	21.78	130.68
	5.00	26.97	161.82
	6.00	32.05	192.30
240x120	7.00	37.03	222.18
	8.00	41.91	251.46
	4.00	21.78	130.68
	5.00	26.97	161.82
260x180	6.00	32.05	192.30
	7.00	37.03	222.18
	8.00	41.91	251.46
	9.00	46.69	280.14
300x150	10.00	51.36	308.16
	4.00	26.81	160.86
	5.00	33.25	199.50
	6.00	39.59	237.54
300x200	7.00	45.83	274.98
	8.00	51.96	311.76
	10.00	63.92	383.52
	12.00	75.47	452.82
300x150	4.00	27.43	164.58
	5.00	34.03	204.18
	6.00	40.53	243.18
	7.00	46.93	281.58
300x200	8.00	53.22	319.32
	9.00	59.40	356.40
	10.00	65.49	392.94
	12.00	77.35	464.10
300x200	4.00	30.57	183.42
	5.00	37.96	227.76
	6.00	45.24	271.44
	7.00	52.42	314.52
300x200	8.00	59.50	357.00
	9.00	66.47	398.82
	10.00	73.34	440.04
	12.00	86.77	520.62

STEEL TUBES FOR ORDINARY USES IN WATER, GAS AND AIR LINES CONFORMING TO IS: 1239(PART-1)2004

N.B. Series mm	OUTSIDE DIAMETER		Wall Thickness mm	Nominal Weight	
	min. mm	max. mm		Weight kg/mtr	Weight length 6mtr.
15L	21.00	21.40	2.00	0.947	5.682
M	21.00	21.80	2.60	1.21	7.26
H	21.00	21.80	3.20	1.44	8.64
20L	26.40	26.90	2.30	1.38	8.28
M	26.50	27.30	2.60	1.56	9.36
H	26.50	27.30	3.20	1.87	11.22
25L	33.20	33.80	2.60	1.98	11.88
M	33.30	34.20	3.20	2.41	14.46
H	33.30	34.20	4.00	2.93	17.58
32L	41.90	42.50	2.60	2.54	15.24
M	42.00	42.90	3.20	3.10	18.60
H	42.00	42.90	4.00	3.79	22.74
40L	47.80	48.40	2.90	3.23	19.38
M	47.90	48.80	3.20	3.56	21.36
H	47.90	48.80	4.00	4.37	26.22
50L	59.60	60.20	2.90	4.08	24.48
M	59.70	60.80	3.60	5.03	30.18
H	59.70	60.80	4.50	6.19	37.14
65L	75.20	76.00	3.20	5.71	34.26
M	75.30	76.60	3.60	6.42	38.52
H	75.30	76.60	4.50	7.93	47.58
80L	87.90	88.70	3.20	6.72	40.32
M	88.00	89.50	4.00	8.36	50.16
H	88.00	89.50	4.80	9.90	59.40
100L	113.00	113.90	3.60	9.75	58.50
M	113.10	115.00	4.50	12.20	73.20
H	113.10	115.00	5.40	14.50	87.00
125M	138.50	140.80	4.80	15.90	95.40
H	138.50	140.80	5.40	17.90	107.40
150M	163.90	166.50	4.80	18.90	113.40
H	163.90	166.50	5.40	21.30	127.80

STEEL TUBES FOR LINES PIPES IN OIL AND GAS INDUSTRIES CONFORMING TO API-5L LINES

Nominal Inches	Size OD mm	Wall Thickness mm	Plain End Weight kg/m	Wt. per Length 6mtr.
200NB 8"	219.1	5.2	27.43	164.58
		5.6	29.48	176.88
		6.4	33.57	201.42
		7.0	36.61	219.66
		7.9	41.14	246.84
		8.2	42.65	255.90
		8.7	45.14	270.84
250NB 10"	273.1	5.2	36.94	221.64
		5.6	42.09	252.54
		6.4	46.57	279.42
		7.1	51.03	306.18
		7.8	56.72	340.32
		8.7	60.50	363.00
		11.1	71.72	430.32
300NB 12"	323.9	5.6	43.96	263.76
		6.4	50.11	300.66
		7.1	55.47	332.82
		7.9	61.56	369.36
		8.4	65.35	392.10
		8.7	67.62	405.72
		9.5	73.65	441.90
350NB 14"	355.6	10.3	79.65	477.90
		11.1	85.62	513.72
		5.6	48.33	289.98
		6.4	55.11	330.66
		7.1	61.02	366.12
		7.9	67.74	406.44
		8.7	74.42	446.52
400NB 16"	406.4	9.5	81.08	486.48
		10.3	87.71	526.26
		11.1	94.30	565.80
		5.6	55.35	332.10
		6.4	63.13	378.78
		7.1	69.91	419.46
		7.9	77.63	465.78
400NB 16"	406.4	8.7	85.32	511.92
		9.5	92.98	557.88
		10.3	100.61	603.66
		11.1	108.20	649.20

WEIGHT CHART FOR FLAT BAR (WEIGHT IN KG/METRE) Thickness & Width in mm

THK WIDTH	3	4	5	6	8	10	12	16	20	25
12	0.282	0.376	0.471	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	0.376	0.502	0.627	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20	0.471	0.627	0.784	0.941	N/A	N/A	N/A	N/A	N/A	N/A
25	0.588	0.784	0.980	1.176	1.569	1.961	2.353	3.137	N/A	N/A
30	0.706	0.941	1.176	1.412	1.882	2.353	2.824	3.765	N/A	N/A
32	0.753	1.004	1.255	1.506	2.008	2.510	3.012	4.016	N/A	N/A
35	0.824	1.098	1.373	1.647	2.196	2.745	3.294	4.392	N/A	N/A
40	0.941	1.255	1.569	1.882	2.510	3.137	3.765	5.020	6.275	7.843
45	1.059	1.412	1.765	2.118	2.824	3.529	4.235	5.647	7.059	8.824
50	1.176	1.569	1.961	2.353	3.137	3.922	4.706	6.275	7.843	9.804
63	1.482	1.976	2.471	2.965	3.953	4.941	5.929	7.906	9.882	12.353
65	1.529	2.039	2.549	3.059	4.078	5.098	6.118	8.157	10.196	12.745
75	1.765	2.353	2.941	3.529	4.706	5.882	7.059	9.412	11.765	14.706
100	2.353	3.137	3.922	4.706	6.275	7.843	9.412	12.549	15.686	19.608
125	2.941	3.922	4.902	5.882	7.843	9.804	11.765	15.686	19.608	24.510
150	3.529	4.706	5.882	7.059	9.412	11.765	14.118	18.824	23.530	29.412
175	4.118	5.490	6.863	8.235	10.98	13.726	16.471	21.961	27.451	34.314
200	4.706	6.275	7.843	9.412	12.549	15.686	18.824	25.098	31.373	39.216
250	5.882	7.843	9.804	11.765	15.686	19.608	23.530	31.373	39.216	49.020

WEIGHT CHART FOR ANGLE (WEIGHT IN KG/METRE)

20X20	0.941	1.255	1.569	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25X25	1.176	1.569	1.961	2.353	N/A	N/A	N/A	N/A	N/A	N/A
32X32	1.506	2.008	2.510	3.012	N/A	N/A	N/A	N/A	N/A	N/A
35X35	1.647	2.196	2.745	3.294	N/A	N/A	N/A	N/A	N/A	N/A
40X40	1.882	2.510	3.137	3.765	N/A	N/A	N/A	N/A	N/A	N/A
45X45	2.188	2.824	3.529	4.235	N/A	N/A	N/A	N/A	N/A	N/A
50X50	2.353	3.137	3.800	4.500	6.275	N/A	N/A	N/A	N/A	N/A
60X60	N/A	3.765	4.500	5.400	7.000	N/A	N/A	N/A	N/A	N/A
65X65	N/A	4.078	4.900	5.800	7.700	9.400	12.235	N/A	N/A	N/A
70x70	N/A	N/A	5.300	6.300	N/A	N/A	N/A	N/A	N/A	N/A
75X75	N/A	4.706	5.700	6.800	8.900	11.000	14.118	N/A	N/A	N/A
80X80	N/A	N/A	6.275	7.300	9.600	11.800	15.059	N/A	N/A	N/A
90X90	N/A	N/A	7.059	8.200	10.800	13.400	16.941	N/A	N/A	N/A
100X100	N/A	N/A	7.843	9.412	12.549	14.900	17.700	25.098	31.373	N/A
110X110	N/A	N/A	N/A	N/A	N/A	16.600	19.700	N/A	N/A	N/A
130X130	N/A	N/A	N/A	N/A	N/A	19.700	23.500	N/A	N/A	N/A
150X150	N/A	N/A	N/A	N/A	N/A	N/A	22.900	27.300	44.100	N/A

WEIGHT CHART FOR CHANNEL/JOIST (WEIGHT IN KG/METRE)

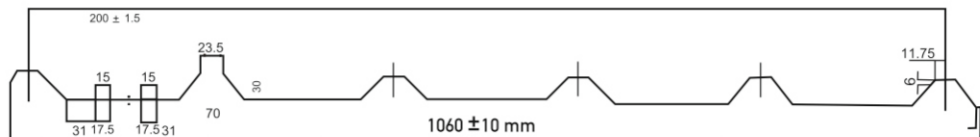
JOIST/BEAM	WT/MTR	ROUND BAR	WT/MTR	SQ. BAR	WT/ MTR
125X70X5	13.40	6	0.22	6X6	0.28
150X75X5	15.00	8	0.39	8X8	0.50
175X85X5.8	19.60	10	0.62	10X10	0.78
200X100X5.7	25.40	12	0.89	12X12	1.13
225X110X6.5	31.10	16	1.58	16X16	2.01
250X125X6.9	37.30	18	2.00	20X20	3.14
300X140X7.7	46.00	20	2.47	22X22	3.80
350X140X8.1	52.40	22	2.98	25X25	4.90
400X140X8.9	61.50	25	3.85	28X28	6.15
450X150X9.4	72.40	28	4.83	32X32	8.03
500X180X10.2	86.90	30	5.55	36X36	10.17
600X210X12	123.00	32	6.31	40X40	12.55
		36	7.99	45X45	15.88
		38	8.90	50X50	19.61
		40	9.86	63X63	31.13
		42	10.88	75X75	44.12
CHANNEL		45	12.48		
75X40X4.8	7.14	47	13.62		
75X40X6	8.92	50	15.41		
100X50=L	7.80	53	17.32		
100X50=MC	9.56	56	19.34		
125X65X5.3	13.10	60	22.20		
125X65X6	13.70	66	26.86		
150X75X5.7	16.80	70	30.21		
150X75X6.5	17.70	75	34.68		
175X75X6	19.60	80	39.46		
200X75X6.2	22.30	85	44.54		
200X75X7.5	24.30	90	49.94		
250X82X9	34.20	100	61.65		
300X90X7.8	36.30	110	74.60		
400X100X8.8	50.10	115	81.54		
		120	88.78		
		125	96.33		

WEIGHT CHART FOR T.M.T. BAR (WEIGHT IN KG/METRE)

SIZE	WEIGHT	SIZE	WEIGHT	SIZE	WEIGHT	SIZE	WEIGHT
8MM	0.395	16MM	1.580	22MM	2.990	32MM	6.310
10MM	0.617	18MM	2.000	25MM	3.860	36MM	7.990
12MM	0.890	20MM	2.470	28MM	4.830	40MM	9.850



Covered Area 1000± Tolerance



Technical Specification of Colour Coated Roofing Sheets

Paint Coat	Upto 40 Microns
Zinc Coating	Upto 400 GSM
Base Metal	Galvanised Plain
Nominal Thickness (TCP)	0.3-0.8 MM
Length	12 Mtr. Maximum
Wind Velocity	180 Km./Hr.*
Yield Strength	650 MPa Minimum
Paint	R.S.P., S.M.P., S.D.P., P.V.D.F.
Guard Film	40 Microns

: Stockist / Suppliers :



Rajesh Sales Corporation

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