



ABOUT US

FALCON is widely popular in Bangladesh for the best grade MS GI & EM products. A dream of Retd. Major General Amjad Khan Chowdhury to make Bangladesh stronger by its own capacity lead RFL Group to a new horizon. In 1981 with a vision to leveraging the farmer in irrigation as well as ensuring drinking water through water pump and tube well this journey was started. RFL has continued to contribute to the development of mankind through endless innovation and development in technology and has become the most competitive pipe in the world.

As the leading largest steel pipe manufacturer, RFL group is devoted to ensuring every solution from giant pipe to the wire. Based on the vision of globalization, FALCON is ensuring Japanese sheet and high-end engineering concepts to shape the dream into reality. We believe in this culture of innovation by putting research and development at the heart of our operations. The country's brightest engineers are endlessly solving the most complex piping requirements.

With more than 4,500 employees we are a community that is driven by an entrepreneurial spirit and passion for excellence. We're committed to ensure low carbon emission and a greener world for tomorrow.

FALCON is lead by the "Globalized resource, Globalized quality, and Globalized service" concept in every step. Our goal is to build a better world with smarter steel pipes.

Our promise – Performance Perfect.

OUR CREDENTIALS

It Is our pleasure that we have got several recognitions from both local and international organization as the best business enterprise through sustainable growth.



National Export Trophy

Received by Honorable Managing Director, RFL Group

INTRODUCTION

- Factory is situated at Olipur, Shayestaganj, Habiganj on the Dhaka Sylhet highway
- Factory shade is around 1lac SFT, This is the largest MS & GI plant in BD
- The Factory consists of nine mills. Four for MS pipe , four for furniture tube & hollow box and another one for bike tube production
- Using all modern technology
- First time in Bangladesh fully automated GI mill
- The factory has its own power generation system



Feature :

Japanese Industrial Standards (JIS) maintain for RM sourcing
First time in Bangladesh fully automated GI mill that's why never found any leakage
Accurate thickness & Length (BDS 1031: 2006)
High pressure resistance
Higher durability and longevity
Best quality product ever in BD due to fully Automated
Superior bend ability, ease of cutting and threading
Weld consistency and integrity
Superior finish and anti - rust coating
Greater resistance to corrosion



Widely used in:

Industrial
Oil and Gas transmissions
Water & Sewage pipes
Commercial /Residential Building
Boring
Structural purposes

» Quality Policy

Consistent with the group purpose, we are committed to create value for all our stakeholders by continuously improving the effectiveness of Quality System and Process through innovations, involving all our employees.

We shall constantly strive to improve the quality of lives of the communities it serve through excellence in all facets of its activities. Our objectives shall be to:

- A) Produce and deliver products as per customer's expectations, conforming to national / international standards.
- B) Enhance the knowledge and skills of employees for effective implementation of Quality Management System (QMS).

Our Testing Facilities :



» Factory Overview :



Crane Unloading



Coil Slitting



Factory Facilities

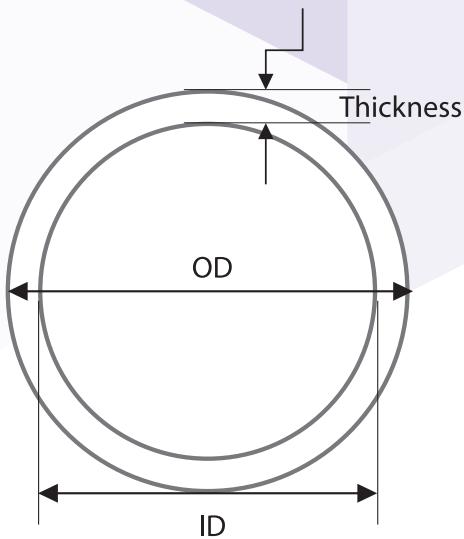


Logo Printing

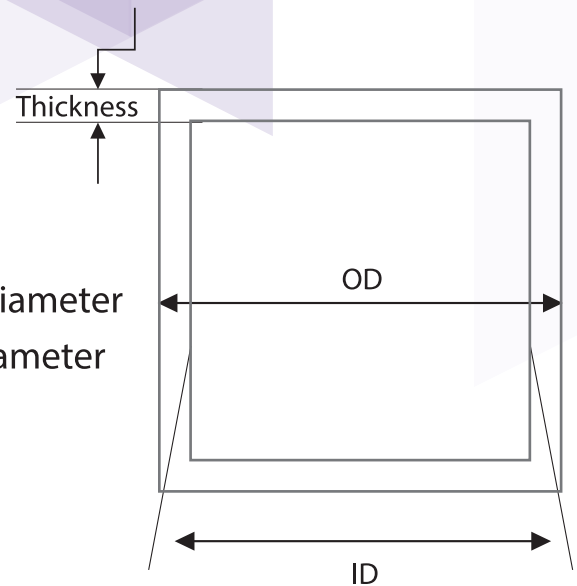


Distribution Storage

Basic Information of Round & Box pipe



OD= Pipe Outer Diameter
ID = Pipe Inner Diameter
T =Thickness
ID= OD-2xT



MS & GI Pipe



MS Pipe

- Mild Steel Pipe
- Carbon contain maximum 0.10%



GI Pipe

- Galvanized Iron Pipe
- ZINC contain 400gm/m² thickness up to 8mm (BDS 1031:2006)

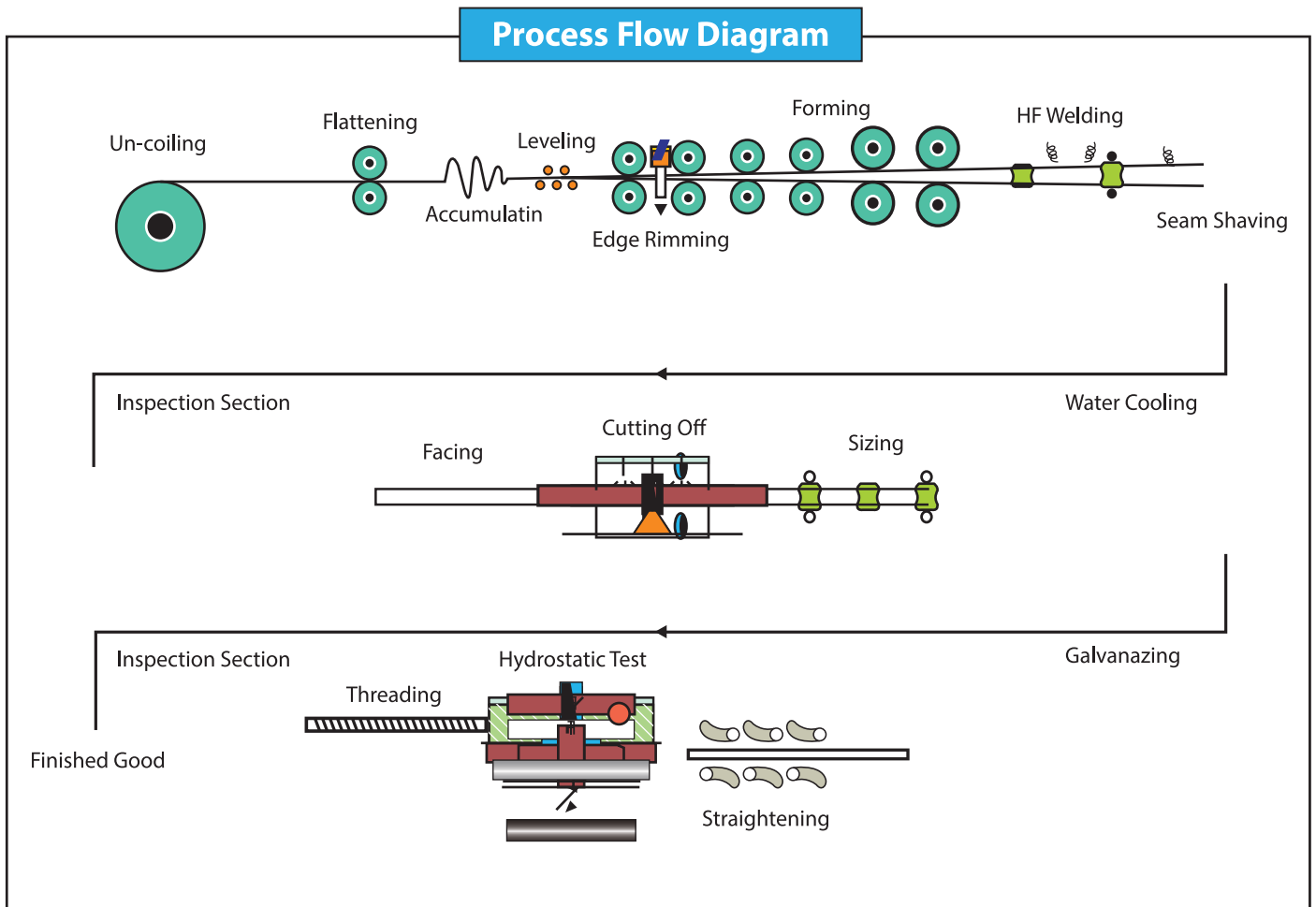
MS & GI Pipe Product List

BS-1387:1990, ISO 4200, IS 1239 (P1) and BDS 1031:2006 standard

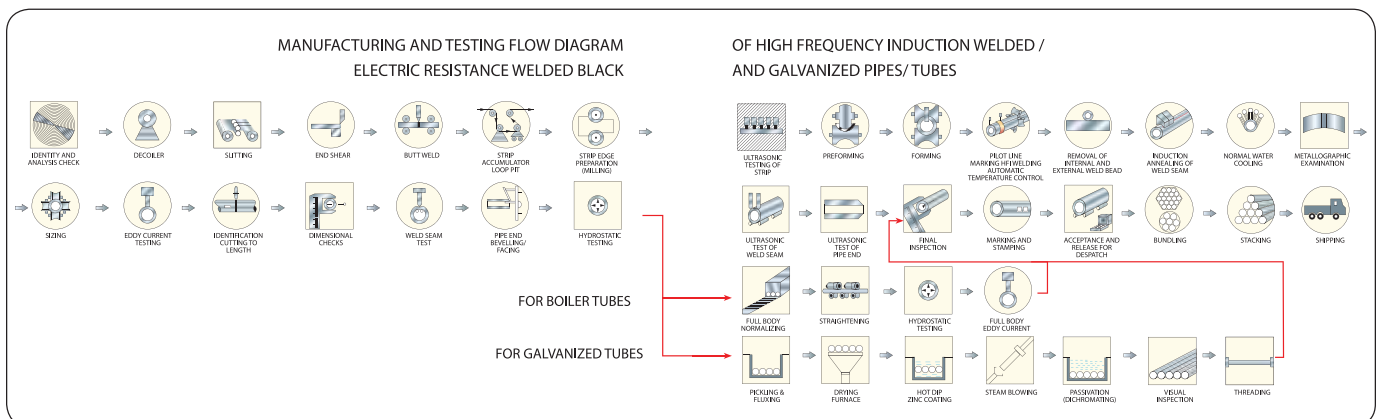
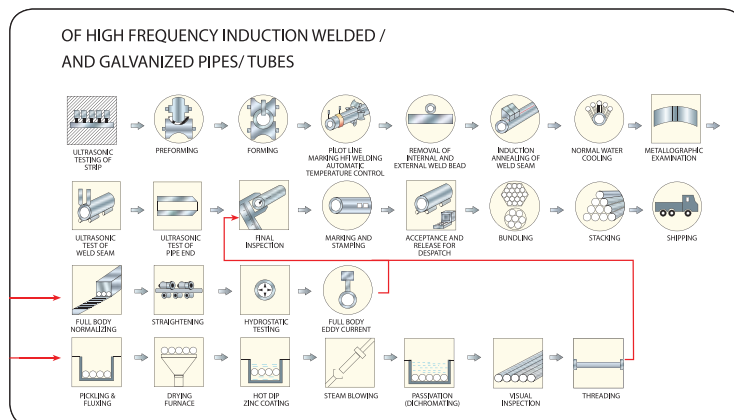
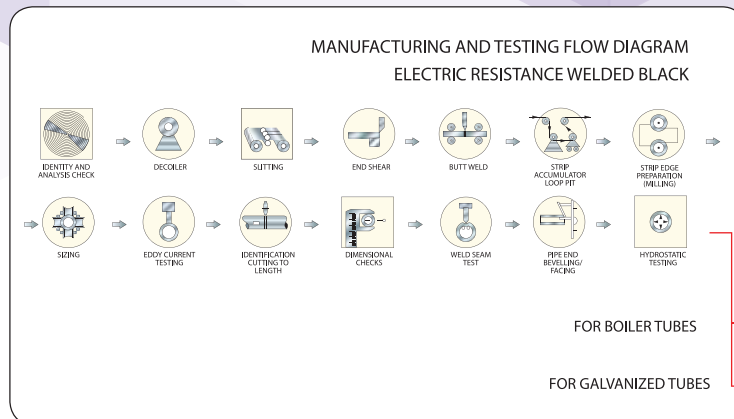
LIGHT				
Nominal Bore		Outer Dia		Thickness
mm	inch	mm	mm	mm
15	½"	21.4	21.00	2.00
20	¾"	26.9	26.4	2.35
25	1"	33.8	33.2	2.65
32	1 ¼"	42.5	41.9	2.65
40	1 ½"	48.4	47.8	2.9
50	2"	60.2	59.6	2.9
65	2 ½"	76.00	75.20	3.25
80	3"	88.70	87.90	3.25
100	4"	113.90	113.00	3.65

MEDIUM				
Nominal Bore		Outer Dia		Thickness
mm	inch	mm	mm	mm
15	½"	21.80	21	2.65
20	¾"	27.30	26.50	2.65
25	1"	34.20	33.30	3.25
32	1 ¼"	42.90	42.00	3.25
40	1 ½"	48.80	47.90	3.25
50	2"	60.80	59.70	3.65
65	2 ½"	76.60	75.30	3.65
80	3"	89.50	88.00	4.05
100	4"	115.00	113.10	4.50
125	5"	140.80	138.50	4.85
150	6"	166.50	163.90	4.85

HEAVY				
Nominal Bore		Outer Dia		Thickness
mm	inch	mm	mm	mm
15	½"	21.80	21.00	3.25
20	¾"	27.30	26.50	3.25
25	1"	34.20	33.30	4.05
32	1 ¼"	42.90	42.00	4.05
40	1 ½"	48.80	47.90	4.05
50	2"	60.80	59.70	4.50
65	2 ½"	76.60	75.30	4.50
80	3"	89.50	88.00	4.85
100	4"	115.00	113.10	5.40
125	5"	140.00	138.50	5.40
150	6"	166.50	163.90	5.40



Process Flow Diagram of MS & GI Pipe



Production process	Electric Resistance Welding (ERW) process, Galvanized by automatic hot dip galvanizing process
End Finish	GI Pipe are taper threaded and Black Pipe are either plane ended or beveled
Pipe grade	Falcon Silver Super Light ,Falcon Silver Light , Falcon Silver, Falcon Gold light, Falcon Gold, Falcon Diamond, Falcon Ruby,Falcon Special
Special Size	To produce special size of pipe as per customer requirements

Chemical Compositon (%)

Designation		
SPHT 1	Carbon	≤ 0.10
	Silicon	≤ 0.35
	Manganese	≤ 0.50
	Phosphorus	≤ 0.040
	Sulphur	≤ 0.040
Mechanical Properties		
Tensil Strength	kgf/mm ² (N/mm ²)	32(314)
Elongation (%)	Thickness (mm) $1.2 \leq t < 1.6$	30 $\leq$
	Thickness (mm) $1.6 \leq t < 2.0$	32 $\leq$
	Thickness (mm) $3.0 \leq t < 6.0$	35 $\leq$
Bending Angle	Degree	180°

Market Standard

FALCON SUPER LIGHT

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	1.20	20.30	20.80
3/4"	1.20	26.00	26.60
1"	1.20	32.00	32.80
1.25"	1.20	41.00	42.00
1.5"	1.20	47.00	47.50
2"	1.20	57.80	58.80

FALCON SILVER LIGHT

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	1.50	20.50	21.40
3/4"	1.50	26.20	26.90
1"	1.50	32.20	33.80
1.25"	1.50	41.20	42.50
1.5"	1.60	47.20	48.40
2"	1.60	58.00	60.20
2.5"	1.80	75.00	76.00
3"	1.80	87.50	88.70
4"	1.80	112.00	112.55
5"	2.65	138.50	139.50
6"	2.65	163.90	165.00
8"	3.00	215.50	217.00

FALCON SILVER

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	1.60	20.50	21.40
3/4"	1.60	26.20	26.90
1"	1.70	32.20	33.80
1.25"	1.70	41.20	42.50
1.5"	1.80	47.20	48.40
1.5"	2.00	47.20	48.40
2"	1.80	58.00	60.20
2"	2.00	58.00	60.20
2.5"	2.00	75.00	76.00
3"	2.00	87.50	88.70
4"	2.00	112.00	112.55
4"	2.35	112.00	112.55
4"	3.00	112.30	112.55
5"	3.00	138.80	139.80
5"	3.50	138.80	138.80
6"	3.00	163.90	165.00
6"	3.50	163.90	165.00
8"	3.50	216.00	217.00
8"	4.00	216.50	217.50

Market Standard

FALCON GOLD

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	2.00	20.50	21.40
3/4"	2.00	26.30	26.90
1"	2.35	32.30	33.80
1 1/4"	2.35	41.30	42.50
1 1/2"	2.35	47.50	48.40
1 3/4"	2.65	47.50	48.40
2"	2.65	58.30	60.20
2 1/2"	2.90	75.30	76.00
3"	2.90	87.50	88.70
3 1/2"	3.65	87.50	88.70
4"	3.65	112.50	113.90
5"	4.00	139.00	139.80
6"	4.00	164.00	165.00
8"	4.50	216.50	217.50

FALCON RUBY

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	2.65	20.80	21.40
3/4"	2.65	26.50	26.90
1"	2.90	32.50	33.80
1 1/4"	2.90	41.50	42.50
1 1/2"	3.15	47.60	48.40
1 3/4"	3.25	47.60	48.40
2"	3.25	59.00	60.20
2 1/2"	4.00	75.50	76.00
3"	3.65	88.00	88.70

FALCON DIAMOND

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1/2"	2.35	20.70	21.40
3/4"	2.35	26.50	26.90
1"	2.65	32.50	33.80
1 1/4"	2.65	41.50	42.50
1 1/2"	2.90	47.60	48.40
2"	2.90	58.50	60.20
2 1/2"	3.25	75.30	76.00
3"	3.25	87.50	88.70
4"	4.00	112.50	113.90
5"	4.50	139.50	140.20
6"	4.50	164.50	165.50
8"	5.00	216.80	217.50

FALCON SPECIAL

Nominal Bore	Wall Thickness	Outer Dia	
		Min	Max
inch	mm	mm	mm
1"	3.25	32.70	33.80
1 1/4"	3.65	32.70	33.80
1 1/2"	3.65	41.70	42.50
1 3/4"	3.65	47.80	48.40
2"	4.00	47.80	48.40
2 1/2"	5.00	48.00	48.80
3"	3.65	59.60	60.20
3 1/2"	4.00	59.60	60.20
4"	5.00	60.00	61.00
4 1/2"	3.65	75.50	76.00
5"	5.00	76.00	76.50
5 1/2"	4.00	88.00	88.50
6"	5.00	88.00	88.50
6 1/2"	5.00	113.00	113.90
7"	5.00	139.80	140.50
7 1/2"	6.00	139.80	140.80
8"	5.00	165.00	166.00
8 1/2"	6.00	165.50	166.50
9"	6.00	217.00	218.00
9 1/2"	8.00	217.50	219.00

Customized Product

We produce customized pipe between 1/2" to 8"



Falcon Versatile Pipe



MS Box Pipe & MS Tube

- Mild Steel Pipe
- Carbon contain maximum 0.10%



FALCON MS TUBE (ROUND & BOX)

Class	OD		Thickness
	Min(mm)	Min(mm)	mm
MS OD 1/2"(12.70MM)X20'(0.80MM)	12.00	13.50	0.80 MM
MS OD 1/2"(12.70MM)X20'(1.00MM)	12.00	13.50	1.00 MM
MS OD 1/2"(12.70MM)X20'(1.20MM)	12.00	13.50	1.20 MM
MS OD 5/8"(16.00MM)X20'(0.80MM)	15.50	16.50	0.80 MM
MS OD 5/8"(16.00MM)X20'(1.00MM)	15.50	16.50	1.00 MM
MS OD 5/8"(16.00MM)X20'(1.20MM)	15.50	16.50	1.20 MM
MS OD 3/4"(19.00MM)X20'(0.80MM)	18.50	19.50	0.80 MM
MS OD 3/4"(19.00MM)X20'(1.00MM)	18.50	19.50	1.00 MM
MS OD 3/4"(19.00MM)X20'(1.20MM)	18.50	19.50	1.20 MM
MS OD 3/4"(19.00MM)X20'(1.60MM)	18.50	19.50	1.60 MM
MS OD 7/8"(22.00MM)X20'(1.20MM)	21.00	22.50	1.20 MM
MS OD 7/8"(22.00MM)X20'(1.50MM)	21.00	22.50	1.50 MM
MS OD 1"(25.40MM)X20'(0.80MM)	24.50	26.00	0.80 MM
MS OD 1"(25.40MM)X20'(1.00MM)	24.50	26.00	1.00 MM
MS OD 1"(25.40MM)X20'(1.20MM)	24.50	26.00	1.20 MM
MS OD 1"(25.40 MM)X20'(1.50MM)	24.50	26.00	1.50 MM
MS OD 1"(25.40 MM) X20'(1.80 MM)	24.50	26.00	1.80 MM
MS OD 1"(25.40MM)X20'(2.00MM)	24.50	26.00	2.00 MM
MS OD 28.00MMX20'(1.20MM)	27.50	29.00	1.20 MM
MS OD 1.25"(32MM)X20'(1.00MM)	31.00	32.50	1.00 MM
MS OD 1.25"(32MM)X20'(1.20MM)	31.00	32.50	1.20 MM
MS OD 1.25"(32MM)X20'(1.60MM)	31.00	32.50	1.60 MM
MS OD 1.25"(32MM)X20'(2.00MM)	31.00	32.50	2.00 MM
MS OD 1.50"(38MM)X20'(1.00MM)	37.50	38.50	1.00 MM
MS OD 1.50"(38MM)X20'(1.20MM)	37.50	38.50	1.20 MM

Falcon Versatile Pipe



MS Box Pipe & MS Tube

- Mild Steel Pipe
- Carbon contain maximum 0.10%



FALCON MS TUBE (ROUND & BOX)

Class	OD		Thickness
	Min(mm)	Min(mm)	mm
MS OD 1.50"(38MM)X20'(1.60MM)	37.50	38.50	1.60 MM
MS OD 1.50"(38MM)X20'(2.00MM)	37.50	38.50	2.00 MM
MS OD 2"(50.80MM)X20'(1.20MM)	49.50	51.00	1.20 MM
MS BOX-1/2"X1/2"(12X12MM)X20'(1.00 MM)	12.0 X 12.0	13.5 X 13.5	1.00 MM
MS BOX-1/2"X1/2"(12X12MM)X20'(1.20 MM)	12.0 X 12.0	13.5 X 13.5	1.20 MM
MS BOX-5/8"X5/8"(16X16MM)X20'(1.00 MM)	15.5 X 16.5	16.5 X 16.5	1.00 MM
MS BOX-5/8"X5/8"(16X16MM)X20'(1.20 MM)	15.5 X 16.5	16.5 X 16.5	1.20 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(0.80 MM)	18.5 X 18.5	19.5 X 19.5	0.80 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(1.00 MM)	18.5 X 18.5	19.5 X 19.5	1.00 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(1.20 MM)	18.5 X 18.5	19.5 X 19.5	1.20 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(1.40 MM)	18.5 X 18.5	19.5 X 19.5	1.40 MM
MS BOX-3/4"X3/4"(19X19MM)X20'(1.60 MM)	18.5 X 18.5	19.5 X 19.5	1.60 MM
MS BOX-1/2"X1"(12X25 MM)X20'(1.00 MM)	12.0 X 24.5	13.5 X 26.0	1.00 MM
MS BOX-1/2"X1"(12X25 MM)X20'(1.20 MM)	12.0 X 24.5	13.5 X 26.0	1.20 MM
MS BOX-1"X1"(25X25MM)X20'(0.80MM)	24.5 X 24.5	26.0 X 26.0	0.80 MM
MS BOX-1"X1"(25X25MM)X20'(1.00MM)	24.5 X 24.5	26.0 X 26.0	1.00 MM
MS BOX-1"X1"(25X25MM)X20'(1.20MM)	24.5 X 24.5	26.0 X 26.0	1.20 MM
MS BOX-1"X1"(25X25MM)X20'(1.60MM)	24.5 X 24.5	26.0 X 26.0	1.60 MM
MS BOX-1"X1"(25X25MM)X20'(1.80MM)	24.5 X 24.5	26.0 X 26.0	1.80 MM
MS BOX-1"X1"(25X25MM)X20'(2.00MM)	24.5 X 24.5	26.0 X 26.0	2.00 MM
MS BOX-1/2"X1.5"(12X38 MM)X20'(1.00 MM)	12.0 X 37.5	13.5 X 38.5	1.00 MM
MS BOX-1/2"X1.5"(12X38 MM)X20'(1.20 MM)	12.0 X 37.5	13.5 X 38.5	1.20 MM
MS BOX-1.25"X1.25"(32X32MM)X20'(1.00MM)	31.5 X 31.5	32.5 X 32.5	1.00 MM
MS BOX-1.25"X1.25"(32X32MM)X20'(1.20MM)	31.5 X 31.5	32.5 X 32.5	1.20 MM
MS BOX-1"X1.5"(25X38MM)X20'(1.00MM)	24.5 X 37.5	26.0 X 38.5	1.00MM

Falcon Versatile Pipe



MS Box Pipe & MS Tube

- Mild Steel Pipe
- Carbon contain maximum 0.10%



FALCON MS TUBE (ROUND & BOX)

Class	OD		Thickness
	Min(mm)	Min(mm)	mm
MS BOX-1"X1.5"(25X38MM)X20'(1.20MM)	24.5 X 37.5	26.0 X 38.5	1.20 MM
MS BOX-1"X1.5"(25X38MM)X20'(1.60MM)	24.5 X 37.5	26.0 X 38.5	1.60 MM
MS BOX-1"X2"(25X50MM)X20'(1.00MM)	24.5 X 49.5	26.0 X 51.0	1.00 MM
MS BOX-1"X2"(25X50MM)X20'(1.20MM)	24.5 X 49.5	26.0 X 51.0	1.20 MM
MS BOX-1"X2"(25X50MM)X20'(1.60MM)	24.5 X 49.5	26.0 X 51.0	1.60 MM
MS BOX-1"X2"(25X50MM)X20'(2.00MM)	24.5 X 49.5	26.0 X 51.0	2.00 MM
MS BOX-1.5"X1.5"(38X38MM)X20'(1.00MM)	37.5 X 37.5	38.5 X 38.5	1.00 MM
MS BOX-1.5"X1.5"(38X38MM)X20'(1.20MM)	37.5 X 37.5	38.5 X 38.5	1.20 MM
MS BOX-1.5"X1.5"(38X38MM)X20'(1.60MM)	37.5 X 37.5	38.5 X 38.5	1.60 MM
MS BOX-1.5"X1.5"(38X38MM)X20'(2.00MM)	37.5 X 37.5	38.5 X 38.5	2.00 MM
MS BOX-1.5"X2"(38X50MM)X20'(1.20MM)	37.5 X 49.5	38.5 X 51.0	1.20 MM
MS BOX-1.5"X2"(38X50MM)X20'(1.60 MM)	37.5 X 49.5	38.5 X 51.0	1.60 MM
MS BOX-1"X3"(25X75 MM)X20'(1.20MM)	24.5 X 75.0	26.0 X 76.5	1.20 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(1.20MM)	37.5 X 62.0	38.5 X 63.5	1.20 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(1.40MM)	37.5 X 62.0	38.5 X 63.5	1.40 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(1.50MM)	37.5 X 62.0	38.5 X 63.5	1.50 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(1.60MM)	37.5 X 62.0	38.5 X 63.5	1.60 MM
MS BOX-1.5"X2.5"(38X63MM)X20'(2.00MM)	37.5 X 62.0	38.5 X 63.5	2.00 MM
MS BOX-2"X2"(50X50MM)X20'(1.20MM)	49.5 X 49.5	51.0 X 51.0	1.20 MM
MS BOX-2"X2"(50X50MM)X20'(1.60MM)	49.5 X 49.5	51.0 X 51.0	1.60 MM
MS BOX-2"X2"(50X50MM)X20'(2.00MM)	49.5 X 49.5	51.0 X 51.0	2.00 MM
MS BOX-1.5"X3"(38X75MM)X20'(1.20MM)	37.5 X 75.0	38.5 X 76.5	1.20 MM
MS BOX-1.5"X3"(38X75MM)X20'(1.80MM)	37.5 X 75.0	38.5 X 76.5	1.80 MM
MS BOX-1.5"X3"(38X75MM)X20'(2.00MM)	37.5 X 75.0	38.5 X 76.5	2.00 MM
MS BOX-2"X3"(75X75MM)X20'(1.80MM)	49.5 X 75.0	51.0 X 76.5	1.80 MM



Falcon Versatile Pipe



MS Box Pipe & MS Tube

- Mild Steel Pipe
- Carbon contain maximum 0.10%



FALCON MS TUBE (ROUND & BOX)

Class	OD		Thickness
	Min(mm)	Min(mm)	mm
MS BOX-2"X3"(75X75MM)X20'(2.00MM)	49.5 X 75.0	51.0 X 76.5	2.00 MM
MS BOX-2"X3"(75X75MM)X20'(2.65MM)	49.5 X 75.0	51.0 X 76.5	2.65 MM
MS BOX-2"X4"(50x100 MM)x20' (2.65 MM)	49.5 X 100.5	51.0 X 103.0	2.65 MM
MS BOX-2"X4"(50x100 MM)x20' (3.00 MM)	49.5 X 100.5	51.0 X 103.0	3.00 MM
MS BOX-3"X3"(75X75MM)X20'(1.80MM)	75.0 X 75.0	76.5 X 76.5	1.80 MM
MS BOX-3"X3"(75X75MM)X20'(2.00MM)	75.0 X 75.0	76.5 X 76.5	2.00 MM
MS BOX-3"X3"(75X75MM)X20'(2.65MM)	75.0 X 75.0	76.5 X 76.5	2.65 MM
MS BOX-3"X3"(75X75MM)X20'(3.00MM)	75.0 X 75.0	76.5 X 76.5	3.00 MM
MS BOX-4"X4"(100x100 MM)x20' (3.00 MM)	100.5 X 100.5	103.0 X 103.0	3.00MM
MS BOX-4"X4"(100x100 MM)x20' (4.00 MM)	100.5 X 100.5	103.0 X 103.0	4.00MM
MS BOX-4"X4"(100x100 MM)x20' (5.00 MM)	100.5 X 100.5	103.0 X 103.0	5.00MM
MS BOX-4"X6"(100x150 MM)x20' (4.00 MM)	100.5 X 149.5	103.0 X 153.0	4.00MM
MS BOX-4"X6"(100x150 MM)x20' (5.00 MM)	100.5 X 149.5	103.0 X 153.0	5.00MM
MS BOX-5"X5"(125x125 MM)x20' (4.00 MM)	124.0 X 124.0	128.0 X 128.0	4.00MM
MS BOX-5"X5"(125x125 MM)x20' (5.00 MM)	124.0 X 124.0	128.0 X 128.0	5.00MM
MS BOX-6"X6"(150x150 MM)x20' (5.00 MM)	149.5 X 149.5	153.0 X 153.0	5.00MM
MS BOX-6"X6"(150x150 MM)x20' (6.00 MM)	149.5 X 149.5	153.0 X 153.0	6.00MM

Falcon Versatile Pipe



MS Box Pipe & MS Tube

- Mild Steel Pipe
- Carbon contain maximum 0.10%



FALCON EM TUBE (ROUND & BOX)

Class	OD		Thickness
	Min(mm)	Min(mm)	mm
EM OD 3/4"(19.00MM)X20'(1.00MM)	18.50	19.50	1.00 MM
EM OD 3/4"(19.00MM)X20'(1.20MM)	18.50	19.50	1.20 MM
EM OD 1" (25.40MM)X20'(1.20MM)	24.50	26.00	1.20 MM
EM OD 1.25"(32MM)X20'(1.20MM)	31.00	32.50	1.20 MM
EM OD 1.25"(32MM)X20'(1.60MM)	31.00	32.50	1.60 MM
EM OD 1.5"(38 MM)X20'(1.20MM)	37.50	38.50	1.20 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(0.50MM)	12.0 X 12.0	13.5 X 13.5	0.50 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(0.60MM)	12.0 X 12.0	13.5 X 13.5	0.60 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(0.80MM)	12.0 X 12.0	13.5 X 13.5	0.80 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(1.00MM)	12.0 X 12.0	13.5 X 13.5	1.00 MM
EM BOX-1/2"X1/2"(12X12MM)X20'(1.20MM)	12.0 X 12.0	13.5 X 13.5	1.20 MM
CR BOX-3/4"X3/4"(19X19MM)X20'(0.40MM)	18.5 X 18.5	19.5 X 19.5	0.40 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(0.50MM)	18.5 X 18.5	19.5 X 19.5	0.50 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(0.60MM)	18.5 X 18.5	19.5 X 19.5	0.60 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(0.80MM)	18.5 X 18.5	19.5 X 19.5	0.80 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(1.00MM)	18.5 X 18.5	19.5 X 19.5	1.00 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(1.20MM)	18.5 X 18.5	19.5 X 19.5	1.20 MM
EM BOX-3/4"X3/4"(19X19MM)X20'(1.60MM)	18.5 X 18.5	19.5 X 19.5	1.60MM
EM BOX-1"X1"(25X25MM)X20'(0.60MM)	24.5 X 24.5	26.0 X 26.0	0.60 MM
EM BOX-1"X1"(25X25MM)X20'(0.80MM)	24.5 X 24.5	26.0 X 26.0	0.80 MM
EM BOX-1"X1"(25X25MM)X20'(1.00MM)	24.5 X 24.5	26.0 X 26.0	1.00 MM
EM BOX-1"X1"(25X25MM)X20'(1.20MM)	24.5 X 24.5	26.0 X 26.0	1.20 MM
EM BOX-1"X1"(25X25MM)X20'(1.40MM)	24.5 X 24.5	26.0 X 26.0	1.40MM
EM BOX-1"X1"(25X25MM)X20'(1.60MM)	24.5 X 24.5	26.0 X 26.0	1.60MM
EM BOX-1"X1"(25X25MM)X20'(1.80MM)	24.5 X 24.5	26.0 X 26.0	1.80MM



Falcon Versatile Pipe



MS Box Pipe & MS Tube

- Mild Steel Pipe
- Carbon contain maximum 0.10%



FALCON EM TUBE (ROUND & BOX)

Class	OD		Thickness
	Min(mm)	Min(mm)	mm
EM BOX-1"X1"(25X25MM)X20'(2.00 MM)	24.5 X 24.5	26.0 X 26.0	2.00 MM
EM BOX-1.25"X1.25"(32X32 MM)X20'(1.00MM)	31.5 X 31.5	32.5 X 32.5	1.00MM
EM BOX-1.25"X1.25"(32X32 MM)X20'(1.20MM)	31.5 X 31.5	32.5 X 32.5	1.20 MM
EM BOX-1.25"X1.25"(32X32 MM)X20'(1.60MM)	31.5 X 31.5	32.5 X 32.5	1.60MM
EM BOX-1.25"X1.25"(32X32 MM)X20'(2.00MM)	31.5 X 31.5	32.5 X 32.5	2.00MM
EM BOX-1"X1.5"(25X38MM)X20'(1.00MM)	24.5 X 37.5	26.0 X 38.5	1.00 MM
EM BOX-1"X1.5"(25X38MM)X20'(1.20MM)	24.5 X 37.5	26.0 X 38.5	1.20 MM
EM BOX-1"X1.5"(25X38MM)X20'(1.60MM)	24.5 X 37.5	26.0 X 38.5	1.60 MM
EM BOX-1"X1.5"(25X38MM)X20'(1.80MM)	24.5 X 37.5	26.0 X 38.5	1.80MM
EM BOX-1"X1.5"(25X38MM)X20'(2.00MM)	24.5 X 37.5	26.0 X 38.5	2.00 MM
EM BOX-1"X2"(25X50MM)X20'(1.00MM)	24.5 X 49.5	26.0 X 51.0	1.00 MM
EM BOX-1"X2"(25X50MM)X20'(1.20MM)	24.5 X 49.5	26.0 X 51.0	1.20 MM
EM BOX-1"X2"(25X50MM)X20'(1.60MM)	24.5 X 49.5	26.0 X 51.0	1.60 MM
EM BOX-1"X2"(25X50MM)X20'(1.80MM)	24.5 X 49.5	26.0 X 51.0	1.80 MM
EM BOX-1"X2"(25X50MM)X20'(2.00MM)	24.5 X 49.5	26.0 X 51.0	2.00MM
EM BOX-1.5"X1.5"(38X38MM)X20'(1.00MM)	37.5 X 37.5	38.5 X 38.5	1.00 MM
EM BOX-1.5"X1.5"(38X38MM)X20'(1.20MM)	37.5 X 37.5	38.5 X 38.5	1.20 MM
EM BOX-1.5"X1.5"(38X38MM)X20'(1.60MM)	37.5 X 37.5	38.5 X 38.5	1.60 MM
EM BOX-1.5"X1.5"(38X38MM)X20'(1.80MM)	37.5 X 37.5	38.5 X 38.5	1.80 MM
EM BOX-1.5"X1.5"(38X38MM)X20'(2.00MM)	37.5 X 37.5	38.5 X 38.5	2.00MM
EM BOX-1"X3"(25X75 MM)X20'(1.20MM)	24.5 X 75.0	26.0 X 76.5	1.20 MM
EM BOX-1"X3"(25X75 MM)X20'(1.60MM)	24.5 X 75.0	26.0 X 76.5	1.60 MM
EM BOX-1"X3"(25X75 MM)X20'(2.00MM)	24.5 X 75.0	26.0 X 76.5	2.00 MM
EM BOX-1.5"X2.5"(38X63MM)X20'(1.20MM)	37.5 X 62.0	38.5 X 63.5	1.20 MM
EM BOX-1.5"X2.5"(38X63MM)X20'(1.60MM)	37.5 X 62.0	38.5 X 63.5	1.60 MM

Falcon Versatile Pipe



MS Box Pipe & MS Tube

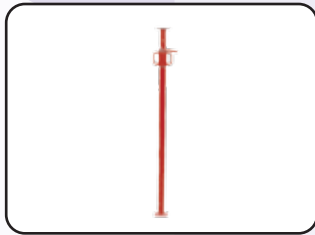
- Mild Steel Pipe
- Carbon contain maximum 0.10%



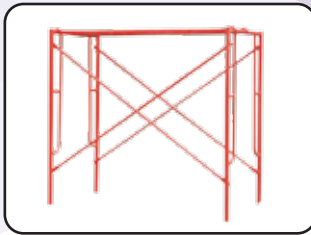
FALCON EM TUBE (ROUND & BOX)

Class	OD		Thickness
	Min(mm)	Min(mm)	mm
EM BOX-1.5"X2.5"(38X63MM)X20'(2.00MM)	37.5 X 62.0	38.5 X 63.5	2.00MM
EM BOX-2"X2"(50X50MM)X20'(1.20MM)	49.5 X 49.5	51.0 X 51.0	1.20 MM
EM BOX-2"X2"(50X50MM)X20'(1.60MM)	49.5 X 49.5	51.0 X 51.0	1.60 MM
EM BOX-2"X2"(50X50MM)X20'(1.80MM)	49.5 X 49.5	51.0 X 51.0	1.80 MM
EM BOX-2"X2"(50X50MM)X20'(2.00MM)	49.5 X 49.5	51.0 X 51.0	2.00 MM
EM BOX-1.5"X3"(38X75MM)X20'(1.20MM)	37.5 X 75.0	38.5 X 76.5	1.20 MM
EM BOX-1.5"X3"(38X75MM)X20'(1.60MM)	37.5 X 75.0	38.5 X 76.5	1.60 MM
EM BOX-1.5"X3"(38X75MM)X20'(1.80MM)	37.5 X 75.0	38.5 X 76.5	1.80 MM
EM BOX-1.5"X3"(38X75MM)X20'(2.00MM)	37.5 X 75.0	38.5 X 76.5	2.00 MM
EM BOX-2"X3"(50X75MM)X20'(1.20MM)	49.5 X 75.0	51.0 X 76.5	1.20 MM
EM BOX-2"X3"(50X75MM)X20'(1.60MM)	49.5 X 75.0	51.0 X 76.5	1.60 MM
EM BOX-2"X3"(50X75MM)X20'(1.80MM)	49.5 X 75.0	51.0 X 76.5	1.80 MM
EM BOX-2"X3"(50X75MM)X20'(2.00MM)	49.5 X 75.0	51.0 X 76.5	2.00 MM

» Falcon Construction Items



MS PROPS



MS SCAFFOLDING



MS SHEET

FALCON MS PROPS & SCAFFOLDING

- Fully adjustable for high-rise building
- Easy to assemble
- High pressure endurance
- Easy to use several times

Applicable Area:

Building Construction/Centering

Props Specification:

Dia: (2" x 1.5"),

Working Length: 13.5' & Customizable

Thickness: 2.65 mm & Customizable

Scaffolding Specification:

Measurement : Height-6'; length-4'; width-5' working can be customizable

Height : Adjustable to any height Easy setup & moveable

Solution for the surface like tiles



FALCON MS SHEET

- Easy to use
- High pressure endurance
- Easy to use several times

Applicable Area: Building Construction

Specification: MS SHEET 4 X 8 feet ; Thickness: 1.2 mm-5mm

» **Falcon Electric Pole**

FALCON ELECTRICAL POLE



Customize Size



100% Pure Zinc Coating



Solar Box Adjustable

Features:

- Fully Adjustable with Specific Requirements
- Can be placed on any types of RCC or solid surface Facilitates with Different Size and model of solar pannel and light braket
- Provides better solution for the battery holding
- Couples with waterproof facility of the junction box
- Includes better idea of passing cables and wire

➤ Falcon MS & GI Wire

Features & Specifition:

- Proper Zinc coating
- 7.00 SWG to 24 SWG
- Tensile Strength 350-550 N/mm2



FALCON GI WIRE		
Class	Thickness	Weight
	mm	KG
GI Wire 25 SWG	0.51	25
GI Wire 24 SWG	0.56	25
GI Wire 22 SWG	0.71	25
GI Wire 20 SWG	0.91	25
GI Wire 18 SWG	1.20	20

MS & GI Laboratory Arrangement

- Universal Test
- Chemical Composition Test
- Hydrostatic pressure test
- Bend Test
- Flattening Test

Universal Test

To determine the % of Elongation, maximum sustainable load, yield load, tensile stress, break point etc of MS & GI pipe to ensure the quality of pipe for which purpose it will be used.



Pic : Universal Testing Machine

Chemical Composition Test:

We use spectrometer following chemical composition test:

- Carbon
- Sulphur
- Phosphorous
- Manganese
- Silicon



Pic : Spectrometer

Hydrostatic Pressure Test:

Determining the sustainability of MS & GI pipe at standard pressure specified.



Bending Test:

Non-galvanized pipe shall be capable of bent without cracking through 180 degree round.

Galvanized pipe shall be capable of bent without cracking through 90 degree round.



Flattening Test:

No opening shall occur by fracture in a weld until the distance between the plate is less than 75% of original outside diameter of the pipe and no cracks or breaks in the metal elsewhere than in a weld shall occur until the distance between the plate is less than 60% of the outside diameter.



Our Credential



Dear Concern,

We are the leading manufacturer and supplier of Steel sheet, coil, H-beam, wire rod, crc and galvanized since 2003, our customer have been covered all of Asia market, Africa market, South America, Middle East, Oceania market and exported 22 countries in the global world such as Japan, Korea, Thailand, Vietnam, Myanmar, Bangladesh, Pakistan, United Arab Emirates, Australia, Malaysia, Philippines and so on. We have won best reputation from our customer domestic and abroad.

Rizhao Steel located at Lanshan District, Rizhao City. It has become an integrated enterprise group with a combination of sintering, pellet, iron-making, steel-making, rolling, oxygen-making, power generating, and well-equipped facilities. Rizhao Steel owns the first ESP production line in China. Which is the first time in the world bulk endless hot rolling of 0.6-2.0mm extra thin plates. Besides the main production.

Through the Performance Excellence Model of internationalization, it perfectly integrates the GB/T19001, GB/T24001 and GB/T28001 into an effective entirety. The company also has been awarded the certificates for ISO9000, ISO14000 and ISO18000. The ship building plates are approved by the classification societies of nine countries, including China, America, Britain and Germany. The hot rolled coil has obtained the EU CE certificate and the deformed bar has been certified by Korean KS.

We're in partnership with RANGPUR METAL INDUSTRIES LTD (UNIT -3)/P RAN RFL Group, Bangladesh, since 2016 in HRC product with maintaining SPHT1 grade and JS G3132 Standard.

-Company's origins	: China
-Its formative years in the industry	: 2003
-The key achievements	: Top 500 Chinese Private Enterprises
-The biggest clients etc.	: Clients all over the world
-Business with RFL Group, Bangladesh	: Since 2016
-The materials (grade, standard etc.)	: supplied to RFL Group, Bangladesh: SPHT1 grade and JS G3132 Standard

George Wang



To
Md. Shafiq
RFL Group
Bangladesh

Date: 18/04/2021

Sub: A brief about Tata Steel and its business with RFL

Company Origin – Achievements: Tata Steel Group is among the top global steel companies with an annual crude steel capacity of 34 million tonnes per annum. It is one of the world's most geographically diversified steel producers, with operations and commercial presence across the world. The group (excluding SEA operations) recorded a consolidated turnover of US \$19.7 billion in the financial year ending March 31, 2020. A Great Place to Work-Certified™ organisation, Tata Steel Ltd., together with its subsidiaries, associates and joint ventures, is spread across five continents with an employee base of over 65,000. Tata Steel Ltd. is also part of ResponsibleSteel™, providing the Company a platform to build on its sustainability credentials and enabling a responsible ecosystem for the steel industry. Tata Steel was recognised as DJSI steel sector leader in 2018 and has ranked fourth in the steel sector in 2019. Besides being a member of Worldsteel's Climate Action Programme, Tata Steel has won several awards and recognitions including the World Economic Forum's Global Lighthouse recognition for its Kalinganagar Plant – a first in India – and the Prime Minister's Trophy for the Best Performing Integrated Steel Plant for 2016-17. The Company, ranked as India's most valuable Metals & Mining brand by Brand Finance, received an 'Honourable Mention' at the National CSR Awards 2019, Steel Sustainability Champion 2019 by Worldsteel, CII GreenCo Star Performer Award 2019, 'Most Ethical Company' award 2021 from Ethisphere Institute, and Best Risk Management Framework & Systems Award (2020) by CNBC TV-18, among several other recognitions.

Segments served by Tata Steel Ltd. Tata Steel Ltd. serves customers from a host of segments which include automotive, construction, consumer goods, engineering, packaging, energy, shipbuilding, railways, lifting & excavation.

Business relation with RFL Group: Tata Steel has been doing business with RFL Group since 2016.

Grades supplied to RFL Group: Hot Rolled Coils – Grades JIS G 3132 SPHT1 & IS 10748 GR 1.

On behalf of Tata Steel

Mr. Auroprakash Rout
(Head of Exports)

TATA STEEL LIMITED
Tata Centre 43 Jawaharlal Nehru Road Kolkata 700071 India, 91 33 22883400, Registered Office Bombay
House 24 Homi Bhabha Street Fort Mumbai
Corporate Id No. L27100MH1907PLC000260



09th April, 2021

Dear Concern,

We, Mitsui Mining & Smelting Co., Ltd., incorporated in 1950 in Japan. We are leading in Manufacturing and sale of functional engineered materials and electronic materials, nonferrous metal smelting, minerals resource development, precious metal recycling, raw material related businesses, manufacturing and sale of automotive parts/components, etc. with several merger entities in USA, England, Mexico, Hong Kong, Taiwan, Malaysia, Indonesia, Korea, Vietnam and India. Our customers have been covered all over the world. To know detail about us, please visit to our website: www.mitsui-kinzoku.com.

- | | |
|---|---|
| - Company's origins | : Japan |
| - Formative year in the industry | : 1950 |
| - The key achievements | : A Global organization with the brand registered in London Metal Exchange. |
| - Business with RFL Group, BD | : Since 2015. |
| - The grade of materials we supply to RFL | : LME Registered Special High Grade Zinc Ingot of 99.995% minimum Purity. |

Signed by

NOU Takeshi

President and Representative Director
Mitsui Mining & Smelting Co., Ltd.

ADDRESS: 1-11-1, OSAKI, SHINAGAWA-KU, TOKYO, JAPAN
TEL: +81 -3-5437-8028, WEBSITE: WWW.MITSUI-KINZOKU.COM



Our Credential

BANGLADESH STANDARDS AND TESTING INSTITUTION
(Physical Testing Wing)
115A, Tejgaon Industrial Area, Dhaka-1215
TEST REPORT

Phone: 8870280
8870281

Test Report No: F1002
Customer's Reference No: 106
Date of issuance of sample: 10.02.19
Identification of test items: 05.1 x 1.1 x 0.6
100 Pipe, One Piece, Light color, Round, 2 Piece
Manufacture by: ATU, Plastic Ltd.
(Dhaka)

Address and address of customer: Manager, Development
ATU, Plastic Limited
115A, Tejgaon Industrial Area, Dhaka-1215

Test method used: 10 per ISO 1577: 2004

Condition of the test items: Sample received in good condition with sealed end cap.

S. No.	Description of item	Test results
1.	Mass per meter test in kg	4.007
2.	Outside diameter in mm	104.66
3.	Thickness in mm	3.04
4.	Hydraulic test at 10 kg/cm ²	No leakage observed

Tested by: Engr. Md. Shamsul Hossain
Checked by: Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain

BANGLADESH STANDARDS AND TESTING INSTITUTION
(Physical Testing Wing)
115A, Tejgaon Industrial Area, Dhaka-1215
TEST REPORT

Phone: 8870280
8870281

Test Report No: F1003
Customer's Reference No: 106
Date of issuance of sample: 10.02.19
Identification of test items: 05.1 x 1.1 x 0.6
100 Pipe, One Piece, Light color, Round, 2 Piece
Manufacture by: ATU, Plastic Ltd.
(Dhaka)

Address and address of customer: Manager, Development
ATU, Plastic Limited
115A, Tejgaon Industrial Area, Dhaka-1215

Test method used: No per ISO 1577: 2004

Condition of the test items: Sample received in good condition with sealed end cap.

S. No.	Description of item	Test results
1.	Mass per meter test in kg	4.011
2.	Outside diameter in mm	104.66
3.	Thickness in mm	3.04
4.	Hydraulic test at 10 kg/cm ²	No leakage observed

Tested by: Engr. Md. Shamsul Hossain
Checked by: Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain

BANGLADESH STANDARDS AND TESTING INSTITUTION
(Physical Testing Wing)
115A, Tejgaon Industrial Area, Dhaka-1215
TEST REPORT

Phone: 8870280
8870281

Test Report No: F1004
Customer's Reference No: 106
Date of issuance of sample: 10.02.19
Identification of test items: 05.1 x 1.1 x 0.6
100 Pipe, One Piece, Light color, Round, 2 Piece
Manufacture by: ATU, Plastic Ltd.
(Dhaka)

Address and address of customer: Manager, Development
ATU, Plastic Limited
115A, Tejgaon Industrial Area, Dhaka-1215

Test method used: No per ISO 1577: 2004

Condition of the test items: Sample received in good condition with sealed end cap.

S. No.	Description of item	Test results	Remarks
1.	Mass per meter test in kg	4.011	Pass
2.	Outside diameter in mm	104.66	Pass
3.	Thickness in mm	3.04	Pass
4.	Hydraulic test at 10 kg/cm ²	No leakage observed	Pass
5.	Condition of the test items	Sample received in good condition with sealed end cap.	Pass
6.	Condition of the test items	Sample received in good condition with sealed end cap.	Pass

Tested by: Engr. Md. Shamsul Hossain
Checked by: Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain

Department of Mechanical Engineering
Bangladesh University of Engineering and Technology
(Dhaka-1000, Bangladesh)

TEST REPORT OF G. I. PIPE

20 February 2019

Client: Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain

CLIENT'S REFERENCE: Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain

OUR REFERENCE: Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain

TEST CONDUCTED BY: Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain

TEST RESULTS

Test Item	Test Result	Remarks
1. Mass per meter test in kg	4.011	Pass
2. Outside diameter in mm	104.66	Pass
3. Thickness in mm	3.04	Pass
4. Hydraulic test at 10 kg/cm ²	No leakage observed	Pass
5. Condition of the test items	Sample received in good condition with sealed end cap.	Pass
6. Condition of the test items	Sample received in good condition with sealed end cap.	Pass

Tested by: Engr. Md. Shamsul Hossain
Checked by: Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain
Engr. Md. Shamsul Hossain



আর এফ এল | PRAN-RFL Center
105 Pragati Sarani, Middle Badda, Dhaka 1212, Bangladesh

Hotline (Call Charge Free)
0800 7777 777