



HARIOM[®]
PIPES | SCAFFOLDINGS | COILS

INSPIRES TRUST
DELIVERS STRENGTH



SAHI AUR MAJBOOT CHUNO



An overview

Headquartered in Hyderabad, Telangana, Hariom Pipe Industries Limited is part of the prestigious Hariom Group. The Group was founded by the industrialist, Late Shri Hariom Golas in the year 1962.

We are a premium manufacturing unit of iron and steel products. The company has gone from strength to strength, evolving into an integrated steel manufacturer with a stronghold in the South Indian market. Hariom has a diverse product portfolio consisting of Sponge iron, Mild Steel (MS) Billets, Hot Rolled (HR) Coils, Cold Rolled (CRCA) Coils, Pre-Galvanised (GP) Coils, Scaffolding Systems and Scaffolding systems are our top-quality products catering to a variety of industrial applications across multiple sectors.

Hariom manufactures tubes under the brand name HARIOM, conforming to various Indian standards mainly IS:4923, IS:1161, IS:1239 and IS: 3601 for circular, square, rectangular sections. We are equipped to manufacture HR pipes up-to the maximum size of 150x150mm for square sections, 200x100mm for rectangular sections and 175 NB for circular sections. The thickness ranges from 0.80mm to 8mm for the fleet of products including GP / GI pipes.



An overview

Hariom Coils are used in various industries, this type of metal product is ideal for building panels, walls, roof panels, power stations, ships, and various other projects and construction undertakings. The Phase 2 of Hariom project is a further backward integration of another state of art steel manufacturing plant in Paddeyapally of Mahbubnagar District in Telangana. The company plans to supply HRPO (Hot Rolled Pickled and Oiled), CRCA (Cold Rolled Close Annealed) and GP Coils to the Local and South Indian markets. From simple bends to structural applications or complex draws that require a specific strength level, our wide range of hot rolled/pickled and oiled / CR / CRCA / GP steel / Coils can be used for a wide range of applications.

At Hariom Pipes, we have a well-organized team of experts focused on research and development (R&D), which enables us to produce pipes, coils, and sheets in accordance with customer specifications and adhere to stringent quality standards.

Our new plant in Mahaboob Nagar, Telangana producing GP Coils | Pipes will be the first manufacturing facility in India to run solely on sustainable energy generated through solar power.

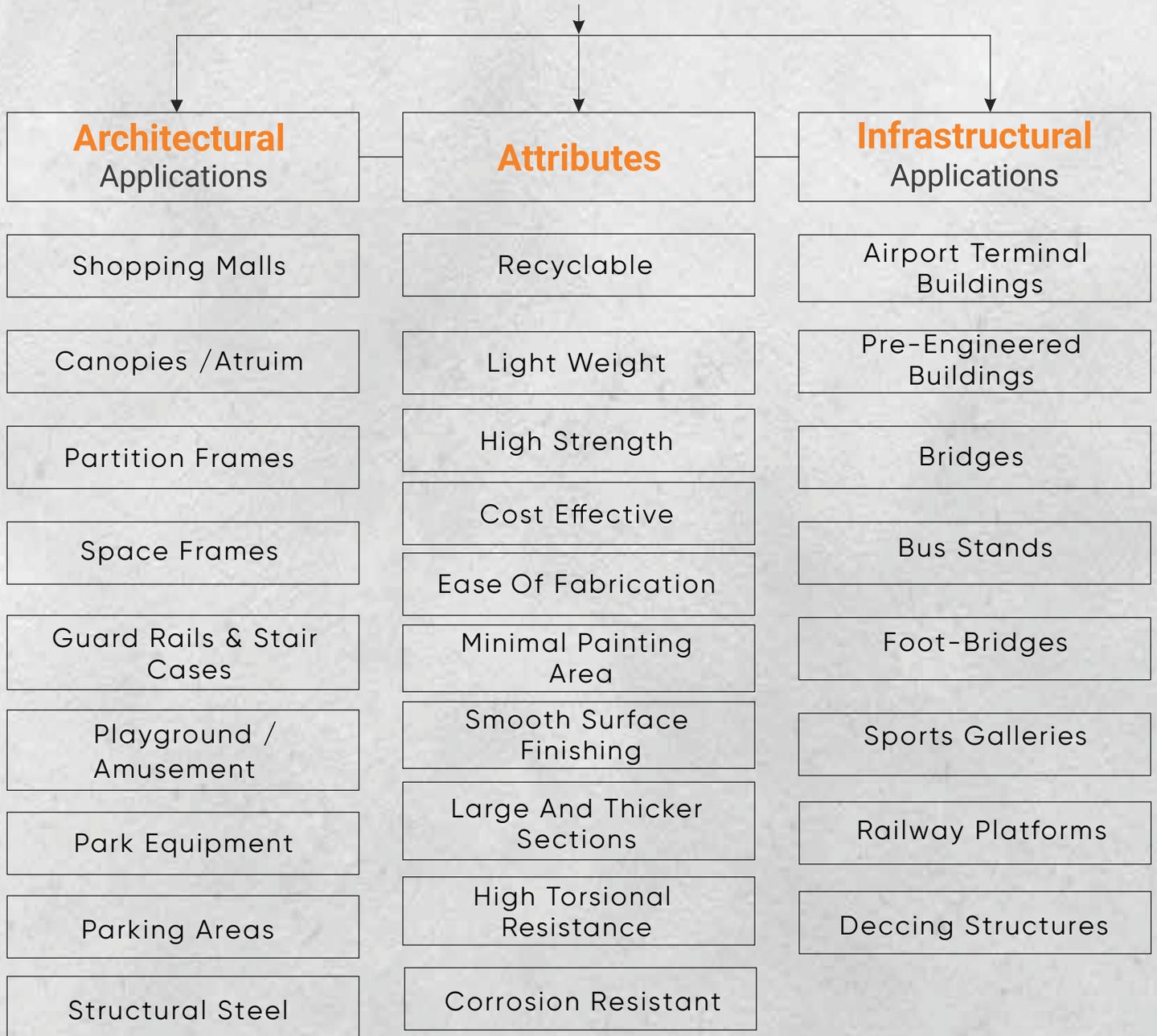




APPLICATION

Hariom Products

Hariom Pipes are applied under the following segments



Shopping Mall



Pergolas / Sheds



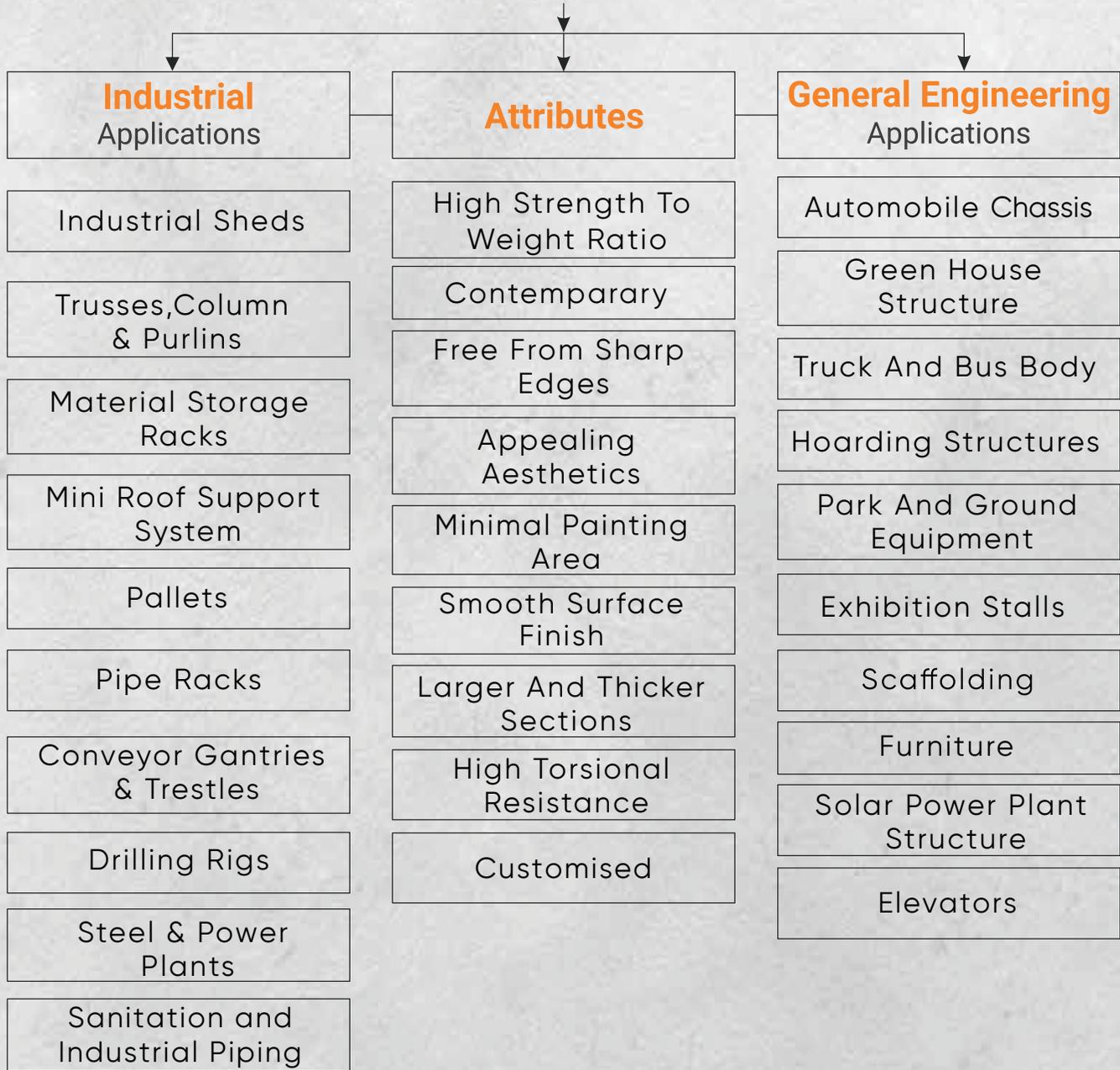
Gates



APPLICATION

Hariom Products

Hariom Pipes are applied under the following segments



Trusses

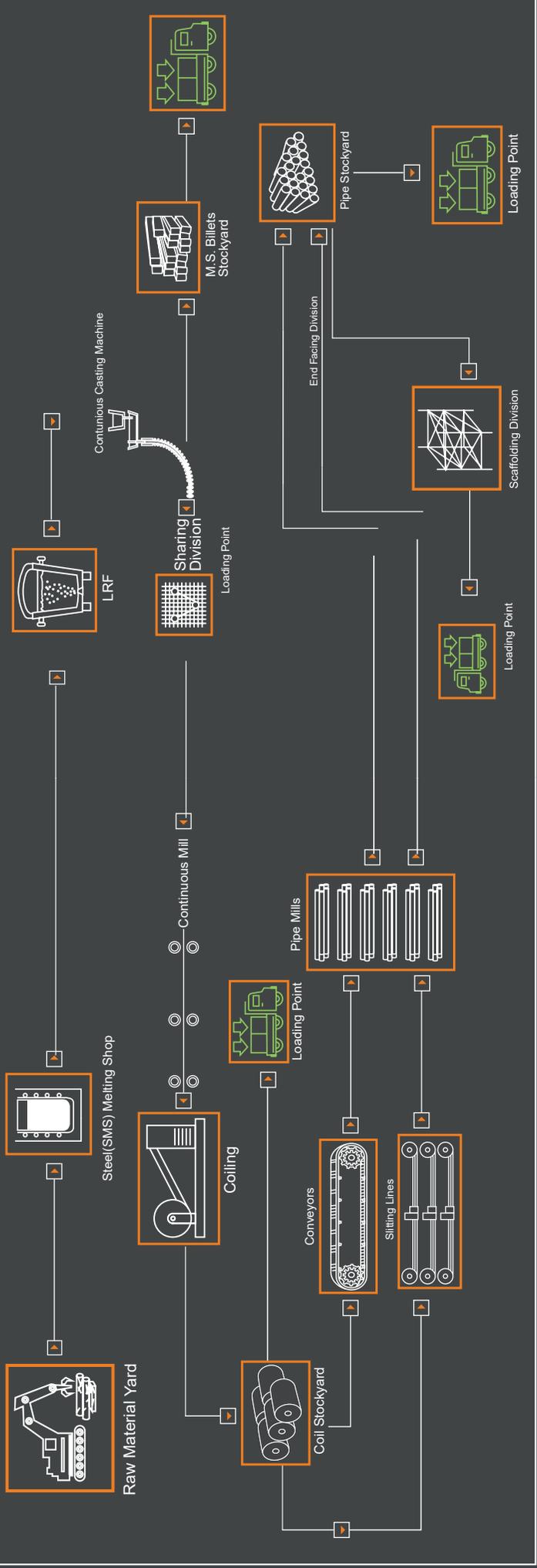


Play ground equipment



Solar Power Plant Structure

MANUFACTURING PROCESS



BIS APPROVALS

IS1239:2004(Part 1)



IS1161:2014



IS4923:2017



IS3601:2006



IS4270:2001



IS10748:2004



IS2830:2012

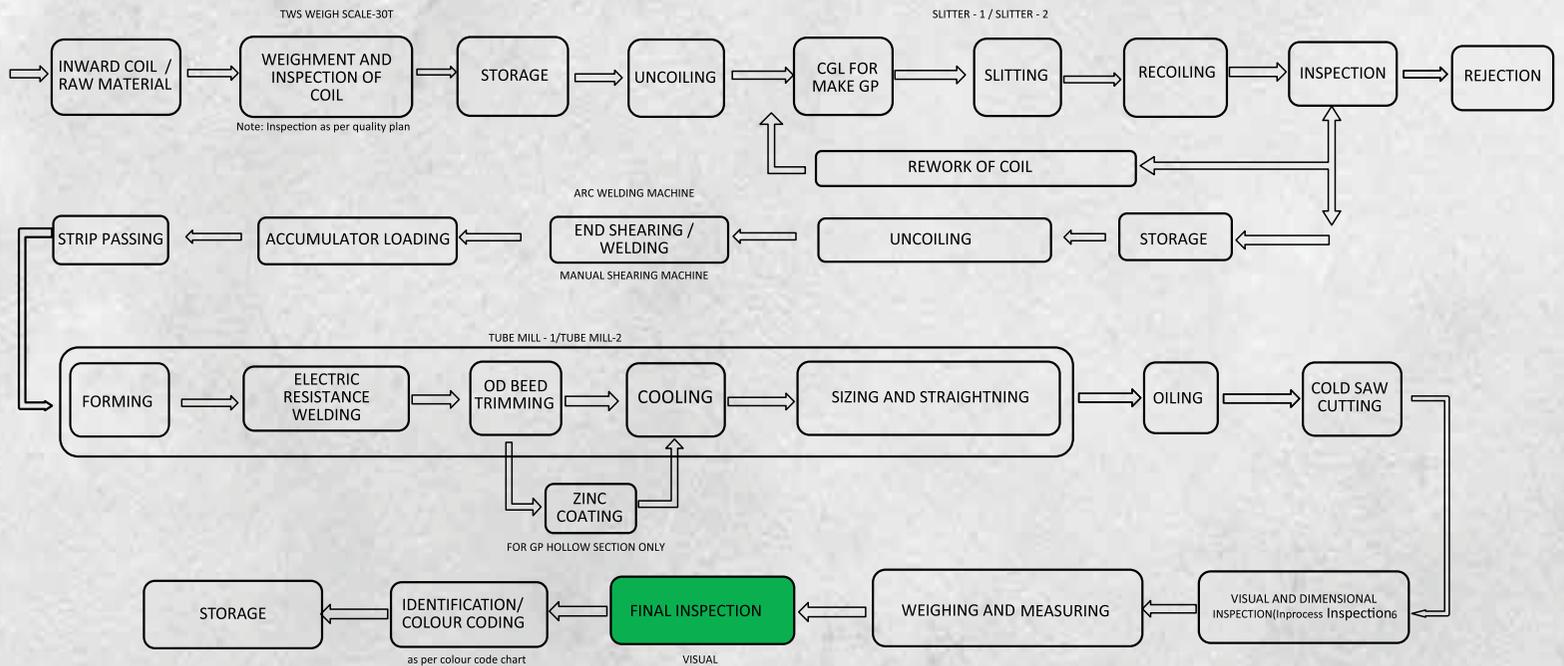


ISO CERTIFICATION

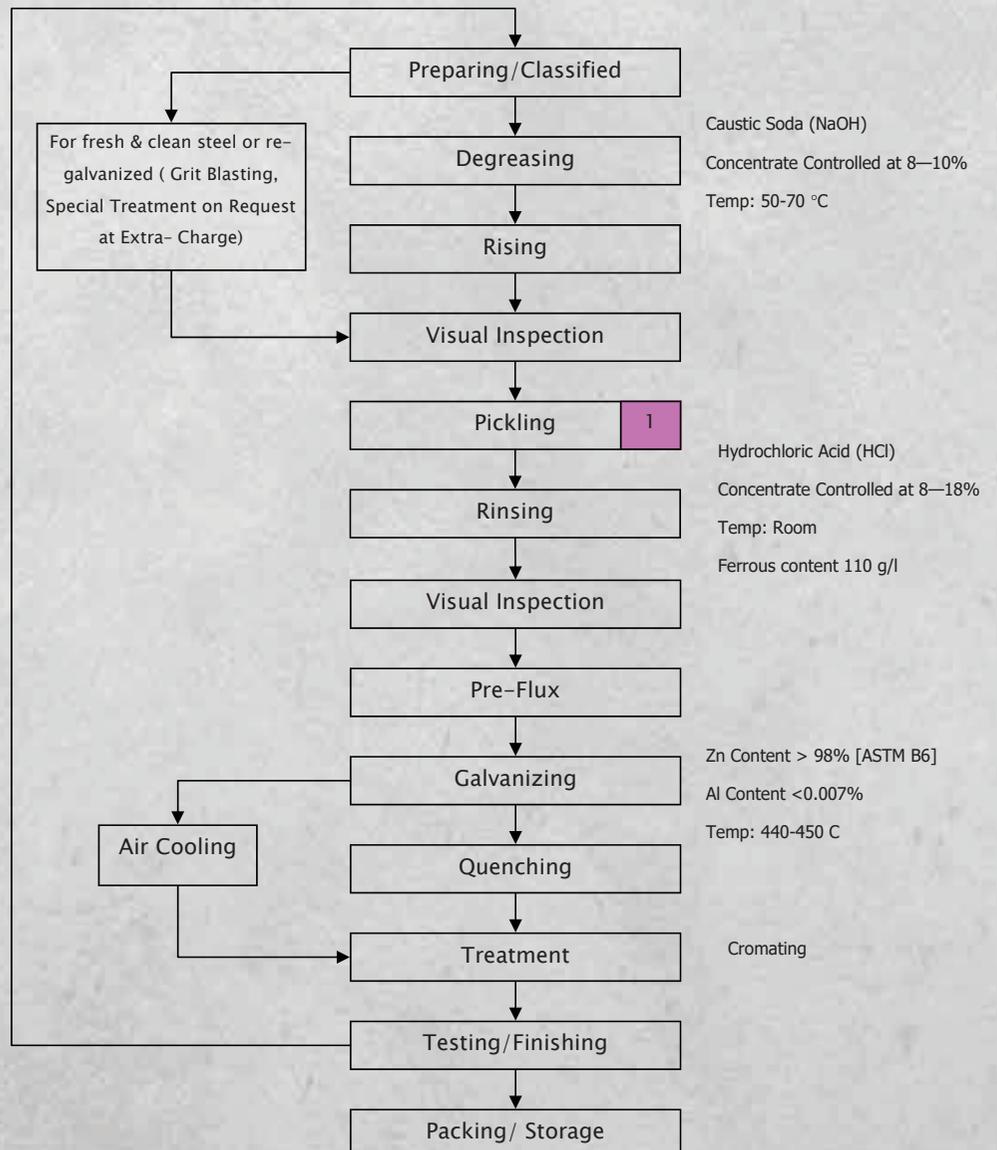


Glimpse of product manufacturing

PROCESS FLOW DIAGRAM



GALVANIZING PROCESS



ERW Steel Tubes for Ordinary uses in Water, Non Hazardous Gases, Air and Steam

Conforming to IS 1239 (PART-1): 2004

NB Series		Outside Diameter		Wall Thickness		Nominal Weight			
		Min	Max			Plain End		Screwed & Socketed	
		mm	mm	mm	SWG	Kg/Mtr	Meters/Tonne	Kg/Mtr	Meters/Tonne
15	L	21.0	21.4	2.0	14	0.95	1052	0.96	1046
	M	21.0	21.8	2.6	12	1.21	826	1.22	820
	H	21.0	21.8	3.2	10	1.44	694	1.45	690
20	L	26.4	26.9	2.3	13	1.38	725	1.39	719
	M	26.5	27.3	2.6	12	1.56	641	1.57	637
	H	26.5	27.3	3.2	10	1.87	535	1.88	532
25	L	33.2	33.8	2.6	12	1.98	505	2.00	500
	M	33.3	34.2	3.2	10	2.41	415	2.43	411.5
	H	33.3	34.2	4.0	8	2.93	341	2.95	339
32	L	41.9	42.5	2.6	12	2.54	394	2.57	389
	M	42.0	42.9	3.2	10	3.1	322	3.13	319
	H	42.0	42.9	4.0	8	3.79	264	3.82	262
40	L	47.8	48.4	2.9	11	3.23	310	3.27	306
	M	47.8	48.8	3.2	10	3.56	281	3.60	278
	H	47.9	48.8	4.0	8	4.37	229	4.41	227
50	L	59.6	60.2	2.9	11	4.08	245	4.15	241
	M	59.7	60.8	3.6	9	5.03	199	5.10	196
	H	59.7	60.8	4.5	7	6.19	161	6.26	160
65	L	75.2	76	3.2	10	5.74	175	5.83	171.5
	M	75.3	76.6	3.6	9	6.42	156	6.54	153
	H	75.3	76.6	4.5	7	7.93	126	8.05	124
80	L	87.9	88.7	3.2	10	6.72	149	6.89	145
	M	88.0	89.5	4.0	8	8.36	120	8.53	117
	H	88.0	89.5	4.8	6	9.9	101	10.10	96
100	L	113.0	113.9	3.6	9	9.75	102	10.00	100
	M	113.1	115	4.5	7	12.2	82	12.50	80
	H	113.1	115	5.4	5	14.5	69	14.80	67.5
125	M	138.5	140.8	4.8	6	15.9	63	16.40	61
	H	138.5	140.8	5.4	5	17.9	56	18.40	54
150	M	163.9	166.5	4.8	6	18.9	53	19.50	51
	H	163.9	166.5	5.4	5	21.3	47	21.90	46

Tolerance

A - Thickness	Tolerance	B- Weight	Tolerance	Length Tolerance
1. Light Tubes	+ not limited -8%	1.Single Tube (light Series)	+10% -8%	Unless otherwise Specified 4 to 7 mtrs. Can also be supplied in Fix Lengths ± 5 cm.
2. Medium & Heavy Tubes	+ not limited -10%	2.Single Tube (Medium & Heavy Series)	$\pm 10\%$	
		3.For quantities per load of 10 tonnes minimum (Light Series)	+7.5% - 5%	
		4.For quantities per load of 10 tonnes - Minimum (Medium and Heavy Series)	$\pm 7.5\%$	



ERW Steel Tubes For Structural Purposes Conforming to IS 1161:2014 CHS

Grade YSt 210, YSt 240, YSt 310, YSt 355

NB	Outside Diameter	Thickness	Nominal Weight Black Tube Plain End		Calculated Nominal Weight Galvanized Tubes Plain End	
			Kg/M	Mtr/Tonne	Kg/M	Mtr/Tonne
			mm	mm	Kg/M	Mtr/Tonne
15	21.3	2.0	0.947	1058	1.00	1003
		2.6	1.21	826	1.26	794
		3.2	1.44	694	1.49	671
20	26.9	2.3	1.38	725	1.43	699
		2.6	1.56	641	1.61	221
		3.2	1.87	535	1.92	521
25	33.7	2.6	1.98	505	2.03	493
		3.2	2.41	415	2.46	407
		4.0	2.93	341	2.98	336
32	42.4	2.6	1.54	394	2.62	382
		3.2	3.1	323	3.18	314
		4.0	3.79	264	3.87	258
40	48.3	2.9	3.23	310	3.34	299
		3.2	3.56	281	3.67	272
		4.0	4.37	229	4.48	223
50	60.3	2.9	4.08	245	4.2	238
		3.2	5.03	199	5.15	194
		4.0	6.19	162	6.31	158
65	76.1	2.9	5.24	191	5.38	186
		3.6	6.42	156	6.57	152
		4.5	7.93	126	8.1	123
80	88.9	3.2	6.72	149	6.9	145
		4.0	8.36	120	8.54	117
		4.8	9.9	101	10.08	99
90	101.6	3.6	8.7	115	8.97	111
		4.0	9.63	144	7.2	139
		4.8	11.5	87	11.77	85
100	114.3	3.6	9.75	103	9.97	100
		4.5	12.2	82	12.42	81
		5.4	14.5	69	14.72	68
110	127	4.5	13.6	74	13.9	72
		4.8	14.5	69	14.8	68
		5.4	16.2	62	14.8	61
125	139.7	4.5	15	67	15.25	66
		4.8	15.9	63	16.15	62
		5.4	17.9	56	18.15	55
135	152.4	4.5	16.4	61	16.78	60
		4.8	17.5	57	17.88	56
		5.4	19.6	51	19.98	55
150	165.1	4.5	17.8	56	18.2	55
		4.8	18.9	52	19.8	51
		5.4	21.3	47	21.7	46
150	168.3	4.5	18.2	55	18.66	54
		4.8	19.4	52	19.88	50
		5.4	21.7	46	22.24	45
175	193.7	6.3	25.2	40	41	24
		4.8	22.4	45	22.94	44
		5.4	25.1	40	25.64	39
		5.9	27.3	37	27.84	36

ERW Steel Tubes for Mechanical & General Engineering Purpose IS 3601:2006

NB.Size		Approx O.D. (mm)	Thickness (mm)	Wt Kg/ Mtr.	Motors Per Tonne
mm	in				
15	1/2"	21.3	1.8	0.866	1155
			2.0	0.952	1050
			2.6	1.2	833
			3.2	1.43	699
20	3/4"	26.9	4.0	1.71	585
			1.8	1.11	901
			2.0	1.23	813
			2.3	1.4	714
25	1"	33.7	2.6	1.56	641
			3.2	1.67	535
			4.0	2.26	442
			2.0	1.56	641
32	1.25"	42.4	2.3	1.78	562
			2.6	1.99	503
			3.2	2.41	415
			4.0	2.93	341
40	1.5"	48.3	4.5	3.24	309
			2.3	2.27	441
			2.6	2.55	392
			3.2	3.09	324
50	2"	60.3	3.6	3.44	291
			4.0	3.79	264
			5.0	4.61	217
			5.4	4.93	203
65	2.5"	76.1	2.3	2.61	383
			2.6	2.93	341
			2.9	3.25	308
			3.2	3.56	281
80	3"	88.9	4.0	4.37	229
			4.9	5.23	191
			5.0	5.34	187
			5.6	5.90	170
90	3.5"	101.6	5.9	6.16	162
			2.3	3.29	304
			2.6	3.7	270
			2.9	4.11	243
100	4"	114.3	3.2	4.51	222
			3.6	5.03	199
			4.0	5.55	180
			4.5	6.19	162
125	5"	152.4	5.0	6.82	147
			5.6	7.55	133
			6.3	8.39	119
			2.6	5.24	191
150	6"	193.7	3.2	5.75	174
			3.6	6.44	155
			4.0	7.11	141
			4.5	7.95	126
175	7"	219.1	5.0	8.777	114
			2.9	6.15	163
			3.2	6.76	148
			4.0	8.38	119
200	8"	254.0	5.0	10.3	97
			5.4	11.1	90
			5.6	11.5	87
			6.3	12.8	78

Tensile Properties

Grade	Y.S. (Min)	T.S. (Min)	% Age
	Mpa (KG/MM2)	Mpa (KG/MM2)	Elongation on
YST-210	210(21.42)	330(33.66)	20
YST-240	240(41.82)	410(41.82)	17
YST-310	310(31.62)	450(45.60)	14

Weight

Single Tube

10 Ton Lot

Tolerance

± 10%

± 7.5%

Tolerance

1. On outside diameter up to & including
48.3mm=+0.4mm/ -0.8mm

2. Over 48.3 mm=+/- 1%

Thickness

For All Size
Welded Tubes

Tolerance

±10%



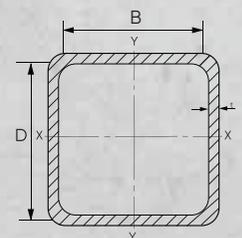
Steel Square Hollow Sections For Structural Purpose (SHS)

Conforming to IS 4923:2017 GRADE YSt 210, YSt 240, YSt 310, Yst 355

SHS DXB	D	B	Thickness	Sec Area	Unit Wt	Moment of Inertia		Radius of Gyration		Elastic Modulus		Torsional Constants		Outer Surface Area Per Metre Length
			T	A	W	I _{xx}	I _{yy}	R _{xx}	R _{yy}	Z _{xx}	Z _{yy}	I _t	Cr	
mm	mm	mm	mm	cm ²	kg/m	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ⁴	cm ³	m ³ /m
20 x 20	20	20	1.6	1.11	0.87	0.61	0.61	0.74	0.74	0.61	0.61	1.03	0.92	0.075
	20	20	1.8	1.23	0.96	0.65	0.65	0.73	0.73	0.65	0.65	1.13	1.00	0.074
	20	20	2.0	1.34	1.05	0.69	0.69	0.72	0.72	0.69	0.69	1.21	1.06	0.073
	20	20	2.2	1.44	1.13	0.73	0.73	0.71	0.71	0.73	0.73	1.29	1.12	0.072
25 x 25	25	25	1.6	1.43	1.12	1.28	1.28	0.94	0.94	1.02	1.02	2.12	1.54	0.095
	25	25	2.0	1.74	1.36	1.48	1.48	0.92	0.92	1.19	1.19	2.53	1.80	0.093
	25	25	2.6	2.16	1.69	1.72	1.72	0.89	0.89	1.38	1.38	3.04	2.12	0.091
	25	25	3.2	2.53	1.98	1.89	1.89	0.86	0.86	1.51	1.51	3.45	2.34	0.089
30 x 30	30	30	1.6	1.75	1.38	2.31	2.31	1.15	1.15	1.54	1.54	3.77	2.32	0.115
	30	30	1.8	1.95	1.53	2.52	2.52	1.14	1.14	1.68	1.68	4.16	2.54	0.114
	30	30	2.0	2.14	1.68	2.72	2.72	1.13	1.13	1.81	1.81	4.54	2.75	0.113
	30	30	2.5	2.59	2.03	3.16	3.16	1.10	1.10	2.10	2.10	5.40	3.20	0.111
32 x 32	32	32	2.0	2.30	1.80	3.37	3.37	1.21	1.21	2.10	2.10	5.58	3.18	0.121
	32	32	2.6	2.88	2.26	4.02	4.02	1.18	1.18	2.51	2.51	6.86	3.82	0.119
	32	32	3.2	3.42	2.69	4.54	4.54	1.15	1.15	2.84	2.84	7.96	4.34	0.117
38 x 38	38	38	2.0	2.78	2.18	5.88	5.88	1.46	1.46	3.10	3.10	9.60	4.67	0.145
	38	38	2.6	3.51	2.75	7.14	7.14	1.43	1.43	3.76	3.76	11.93	5.69	0.143
	38	38	3.2	4.19	3.29	8.18	8.18	1.40	1.40	4.30	4.30	14.01	6.55	0.141
	38	38	4.0	5.03	3.95	9.26	9.26	1.36	1.36	4.87	4.87	16.38	7.48	0.138
40 x 40	40	40	2.6	3.72	2.92	8.45	8.45	1.51	1.51	4.23	4.23	14.06	6.39	0.151
	40	40	2.9	4.09	3.21	9.12	9.12	1.49	1.49	4.56	4.56	15.34	6.91	0.150
	40	40	3.2	4.45	3.49	9.72	9.72	1.48	1.48	4.86	4.86	16.55	7.39	0.149
	40	40	4.0	5.35	4.20	11.08	11.08	1.44	1.44	5.54	5.54	19.44	8.48	0.146
49.5 x 49.5	49.5	49.5	2.6	4.70	3.69	16.91	16.91	1.90	1.90	6.83	6.83	27.59	10.31	0.189
	49.5	49.5	2.9	5.19	4.07	18.37	18.37	1.88	1.88	7.42	7.42	30.26	11.21	0.188
	49.5	49.5	3.6	6.28	4.93	21.42	21.42	1.85	1.85	8.66	8.66	36.07	13.12	0.186
	49.5	49.5	4.5	7.58	5.95	24.64	24.64	1.80	1.80	9.96	9.96	42.66	15.19	0.183
60x60	60	60	2.6	5.80	4.55	31.33	31.33	2.33	2.33	10.44	10.44	50.38	15.72	0.231
	60	60	2.9	6.41	5.03	34.21	34.21	2.31	2.31	11.4	11.4	55.44	17.18	0.230
	60	60	3.2	7.01	5.50	36.94	36.94	2.3	2.3	12.31	12.31	60.34	18.57	0.229
	60	60	4.0	8.55	6.71	43.55	43.55	2.26	2.26	14.52	14.52	72.64	21.97	0.226
	60	60	4.8	10.01	7.85	49.22	49.22	2.22	2.22	16.41	16.41	83.81	24.94	0.224
72x72	72	72	3.2	8.54	6.71	66.32	66.32	2.79	2.79	18.42	18.42	106.82	27.74	0.277
	72	72	4.0	10.47	8.22	79.03	79.03	2.75	2.75	21.95	21.95	129.54	33.13	0.274
	72	72	4.8	12.31	9.66	90.31	90.31	2.71	2.71	25.09	25.09	150.63	37.97	0.272
75x75	75	75	1.6	4.63	3.64	41.29	41.29	2.99	2.99	11.01	11.01	64.09	16.52	0.225
	75	75	1.8	5.19	4.07	45.94	45.94	2.98	2.98	12.25	12.25	71.62	18.39	0.294
	75	75	2.0	5.74	4.50	50.49	50.49	2.97	2.97	13.46	13.46	79.05	20.22	0.293
	75	75	2.2	6.28	4.93	54.93	54.93	2.96	2.96	14.65	14.65	86.36	22.00	0.292
	75	75	2.5	7.09	5.56	61.38	61.38	2.94	2.94	16.37	16.37	97.13	24.60	0.291
	75	75	2.8	7.88	6.19	67.60	67.60	2.93	2.93	18.03	18.03	108	27	0.290
80x80	80	80	3.0	8.41	6.60	71.62	71.62	2.92	2.92	19.10	19.10	115	29	0.290
	80	80	3.2	9.57	7.51	92.72	92.72	3.11	3.11	23.18	23.18	148	35	0.309
	80	80	4.0	11.75	9.22	111.05	111.05	3.07	3.07	27.76	27.76	180	42	0.306
	80	80	4.8	13.85	10.87	127.59	127.59	3.04	3.04	31.90	31.90	211	48	0.304
91.5 x 91.5	91.5	91.5	3.6	12.32	9.67	156.50	156.50	3.56	3.56	34.21	34.21	250	51	0.354
	91.5	91.5	4.5	15.14	11.88	187.58	187.58	3.52	3.52	41.00	41.00	304	62	0.351
	91.5	91.5	5.4	17.85	14.01	215.69	215.69	3.48	3.48	47.14	47.14	355	71	0.347
100 x 100	100	100	4.0	14.95	11.73	226.36	226.36	3.89	3.89	45.27	45.27	362	68	0.386
	100	100	5.0	18.36	14.41	271.11	271.11	3.84	3.84	54.22	54.22	441	82	0.383
	100	100	6.0	21.63	16.98	311.49	311.49	3.79	3.79	62.30	62.30	514	94	0.379
113.5 x 113.5	113.5	113.5	4.8	20.28	15.92	393.32	393.32	4.40	4.40	69.31	69.31	631	104	0.438
	113.5	113.5	5.4	22.60	17.74	432.60	432.60	4.38	4.38	76.23	76.23	700	115	0.435
132 x 132	132	132	4.8	23.83	18.71	634.41	634.41	5.16	5.16	96.12	96.12	1009	145	0.512
	132	132	5.4	26.60	20.88	700.13	700.13	5.13	5.13	106.08	106.08	1121	160	0.509
150 x 150	150	150	4.0	22.95	18.01	807.83	807.83	5.93	5.93	107.71	107.71	1265	162	0.586
	150	150	5.0	28.36	22.26	982.14	982.14	5.89	5.89	130.95	130.95	1554	197	0.583
	150	150	6.0	33.63	26.40	1145.94	1145.94	5.84	5.84	152.79	152.79	1833	230	0.579
	150	150	7.0	38.78	30.44	1299.5	1299.5	5.79	5.79	173.27	173.27	2108	260	0.570
	150	150	8.0	43.79	34.38	1443.1	1443.06	5.74	5.74	192.41	192.41	2364	289	0.566

OTHER ALLOWABLE STRESSES VALUES (in Mpa)

Steel Grade	Minimum Yield Stress	Minimum UTS	Axial Stress in Tension	Bending Stress In Ten of Compn.	Shear Stress	Bearing Stress	Equivalent Stress
Yst 210	210	330	--	--	--	--	--
Yst 240	240	410	144	158	108	180	216
Yst 310	310	450	186	205	140	232	279



Note: Minimum % Elongation: 10% for GR, Yst 240 & 20 % for Yst 210

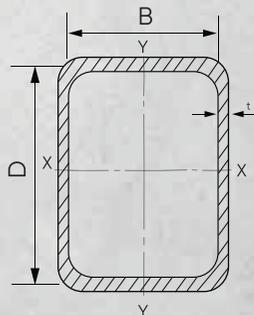
Steel Rectangular Hollow Sections For Structural Purpose (RHS)

Conforming to IS 4923 GRADE YSt 210, YSt 240, YSt 310, YSt 355

RHS	D	B	Thickness	Sec Area	Unit Wt	Moment of Inertia		Radius of Gyration		Elastic Modulus		Torsional Constants		Outer Surface Area Per Metre Length
DXB			T	A	W	I _{xx}	I _{yy}	R _{xx}	R _{yy}	Z _{xx}	Z _{yy}	I _t	C _t	
mm	mm	mm	mm	cm ²	kg/m	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m
40 x 20	40	20	1.6	1.75	1.38	3.43	1.15	1.40	0.81	1.72	1.15	2.89	2.01	0.115
	40	20	1.8	1.95	1.53	3.75	1.25	1.39	0.80	1.88	1.25	3.18	2.19	0.114
	40	20	2.0	2.14	1.68	4.05	1.34	1.38	0.79	2.02	1.34	3.45	2.36	0.113
	40	20	2.2	2.32	1.82	4.32	1.43	1.36	0.78	2.16	1.43	3.71	2.51	0.112
	40	20	2.5	2.59	2.03	4.69	1.54	1.35	0.77	2.35	1.54	4.06	2.72	0.111
50 x 25	50	25	2.0	2.74	2.15	8.38	2.81	1.75	1.01	3.35	2.25	7.06	3.92	0.143
	50	25	2.6	3.46	2.71	10.16	3.36	1.71	0.99	4.06	2.69	8.68	4.72	0.141
	50	25	3.2	4.13	3.24	11.63	3.80	1.68	0.96	4.65	3.04	10.08	5.38	0.139
	50	25	4.0	4.95	3.88	13.13	4.23	1.63	0.92	5.25	3.38	11.57	6.05	0.136
60 x 40	60	40	2.6	4.76	3.73	22.76	12.09	2.19	1.59	7.59	6.05	25.99	10.02	0.191
	60	40	2.9	5.25	4.12	24.75	13.12	2.17	1.58	8.25	6.56	28.48	10.9	0.190
	60	40	3.6	6.35	4.98	28.90	15.23	2.13	1.55	9.63	7.62	33.86	12.73	0.188
	60	40	4.5	7.67	6.02	33.31	17.44	2.08	1.51	11.1	8.72	39.91	14.69	0.185
66 x 33	66	33	2.6	4.70	3.69	25.16	8.43	2.31	1.34	7.62	5.11	21.17	8.91	0.189
	66	33	2.9	5.19	4.07	27.33	9.12	2.30	1.33	8.28	5.53	23.13	9.66	0.188
	66	33	3.6	6.28	4.93	31.87	10.52	2.25	1.29	9.66	6.38	27.32	11.21	0.186
	66	33	4.5	7.58	5.95	36.64	11.93	2.20	1.25	11.10	7.23	31.9	12.84	0.183
80 x 40	80	40	2.6	5.80	4.55	46.58	15.74	2.84	1.65	11.65	7.87	38.87	13.66	0.231
	80	40	2.9	6.41	5.03	50.87	17.11	2.82	1.63	12.72	8.56	42.65	14.89	0.230
	80	40	3.2	7.01	5.50	54.95	18.41	2.80	1.62	13.74	9.21	46.28	16.05	0.229
	80	40	4.0	8.55	6.71	64.80	21.49	2.75	1.59	16.2	10.74	55.24	18.84	0.226
96 x 48	96	48	3.2	8.54	6.71	98.61	33.28	3.40	1.97	20.54	13.87	82.38	24.09	0.277
	96	48	4.0	10.47	8.22	117.55	39.32	3.35	1.94	24.49	16.38	99.22	28.59	0.274
	96	48	4.8	12.31	9.66	134.36	44.55	3.30	1.90	27.99	18.56	115	32.56	0.272
	100	50	3.6	9.95	7.81	123.52	41.57	3.52	2.04	24.70	16.63	104	20.92	0.288
100 x 50	100	50	4.5	12.17	9.55	146.61	48.87	3.47	2.00	29.32	19.55	124	34.18	0.285
	100	50	5.4	14.28	11.21	166.83	55.09	3.42	1.96	33.37	22.04	143	38.75	0.281
	100	50	6.0	15.63	12.27	178.77	58.68	3.38	1.94	35.75	23.47	154	41.43	0.279
	120	60	3.2	10.85	8.51	199.89	67.95	4.29	2.50	33.31	22.65	166	39.21	0.349
120 x 60	120	60	3.6	12.11	9.50	220.76	74.77	4.27	2.49	36.79	24.92	184	43.22	0.348
	120	60	4.5	14.87	11.67	264.53	88.88	4.22	2.44	44.09	29.63	222	51.58	0.345
	122	61	3.6	12.32	9.67	232.62	78.83	4.34	2.53	38.13	25.85	193	44.81	0.354
122 x 61	122	61	4.5	15.14	11.88	278.95	93.79	4.29	2.49	45.73	30.75	234	53.52	0.351
	122	61	5.4	17.85	14.01	320.85	107.03	4.24	2.45	52.60	35.09	272	61.34	0.347
145 x 82	145	82	4.8	20.28	15.92	555.18	228.51	5.23	3.36	76.58	55.73	530	95	0.438
	145	82	5.4	22.60	17.74	610.87	250.60	6.20	3.33	84.26	61.12	586	104	0.435
172 x 92	172	92	4.8	23.83	18.71	917.15	346.92	6.20	3.82	106.66	75.42	819	129	0.512
	172	92	5.4	26.60	20.88	1012.50	381.75	6.17	3.79	117.73	82.99	908	142	0.509
180 x 70	180	70	4.8	22.49	17.65	864.57	194.72	6.20	2.94	96.06	55.64	5.32	100	0.484
	180	70	5.4	25.08	19.69	952.91	213.31	6.16	2.92	105.88	60.95	588	109	0.481
	180	70	6.0	27.63	21.69	1037.1	230.75	6.13	2.89	115.23	65.93	641	119	0.479
	180	70	8.0	35.79	28.10	1288.2	280.92	6.00	2.80	143.13	80.26	800	144	0.466
200 x 100	200	100	4.0	22.95	18.01	1199.7	410.78	7.23	4.23	119.97	82.16	985	142	0.536
	200	100	5.0	28.36	22.26	1459.3	496.95	7.17	4.19	145.93	99.39	1206	172	0.583
	200	100	6.0	33.63	26.40	1703.36	576.93	7.12	4.14	170.34	115.39	1417	200	0.579
	200	100	7.0	38.78	30.44	1932.3	650.95	7.06	4.10	193.23	130.19	1622	226	0.570
	200	100	8.0	43.79	34.38	2146.3	719.22	7.00	4.05	214.63	143.84	1811	250	0.566

General technical specifications and tolerances

- Spec : IS: 4923: 1997/EN 10219-1:2006/ASTM A-500
- Length : 6.0m± 0.05mm Customized Length ranging from 4 m to 12m may be supplied
- Thickness : For all sizes: ± 10.0%



ERW STEEL PIPES FOR WATER WELLS (CASING PIPES)
CONFORMING TO IS: 4270:2001
FE 410 AND FE 450

N.B.size	Out side Diameter	Wall Thickness	Nominal Weight	
			Kg/m	m/Tone
100	114.3	5.0	13.48	74
		5.4	14.5	69
		5.0	16.8	59
125	141.3	5.0	16.8	59
		5.4	18.1	55
		7.1	23.5	42.5
150	168.3	5.0	20.13	50
		5.4	21.6	46
		7.1	28.2	35.5
175	193.7	5.4	25.1	40
		6.4	29.6	34
		8.0	36.6	27



Physical Properties

Grade	Y.S. (Min) MPa	T.S. (Min) MPa(Min)	Percentage MIN. Elongation on 5.65/SO=GL.
Fe 410	235	410	15

Tolerance

a. Outside diameter of pipe	± 1.0%
b. Thickness Up to 193.7mm OD	(+) 15% (-)12.5%
c. Weight - Single Tube	(+)10% (-)8%
d. Length Unless otherwise specified	4 to 12 mtrs

**There are preferred included OD & thickness. Other sizes not include may be supplied as specified by purchaser.

Our Other High Grade Quality Products :

GP Coils

The Galvanized Sheets & Coils are now the most trusted and the futuristic requirement of the country. The Galvanized steel by virtue of its properties can withstand the worst corrosive atmospheric conditions. In Hariom pipes, we are equipped with a wide manufacturing range in Galvanized Plain Sheet and Coils, which are manufactured by Zinc - coating on CR/HR Coils. Most prominently, it is being used in constructing strong roofing system for pre-engineered buildings.

- Pre Galvanised COILS:
- Coil ID : 508/610mm
- Range of Width : 50-750mm
- Zinc Coating : 80GSM to 275GSM
- Edges : Slitted , Staggered or as coated
- Thickness : 0.6mm to 2.8mm
- Surface Finish : Smooth or as desired
- Spangle : Regular or as desired
- Grade : Soft and full hard
- Tensile Strength : Range 350 N/mm² to 500 N/mm²
- depends on the thickness



CRFH Coils



The product range is listed below:

COIL ID:

508/610mm

RANGE OF WIDTH:

50 - 1650mm

EDGES:

Slitted or Trimmed

THICKNESS:

0.45mm to 2.88mm

GRADE:

350MPA, 450MPA, 550MPA
or as desired.

HRPO Coils



Our HRPO product offerings:

PRODUCT TYPE:

Coil, Slit Coil

THICKNESSES:

.6 mm to 3.00 mm
For heavier plate
inquiries do check
with us.

STOCK WIDTHS:

150mm to 500mm

GRADES:

A36, A1011, A1018
(High Strength)
CQ (Commercial Quality)

CRCA Coils



CRCA (Cold Rolled Close Annealed Coils)

Specifications

As per IS: 513

THICKNESS:

0.45mm – 2.8mm

COIL ID:

510 / 610 mm

WIDTHS:

50mm to 500mm

GRADES:

D / DD / EDD

WIDTH TOLERANCE:

As per Specification

MILL EDGE / SLIT EDGE THICKNESS TOLERANCE:

+/- 0.02 mm

SURFACE FINISH:

Dull / Bright / Matt / Mirror

OTHER SPECIAL PRODUCTS FROM HARIOM:

1. BEEDING PIPE 40X20X10
2. D"PIPE (7/8")
3. 1" OVAL(30X16)
4. 1"FLAT OVAL(33X12)
5. 1 1/4"OVAL
6. 1 1/2" OVAL (48X22)
7. ELLIPTICAL (56.24X11.24)
8. 2 1/2" RAIL
9. MULLION BAR

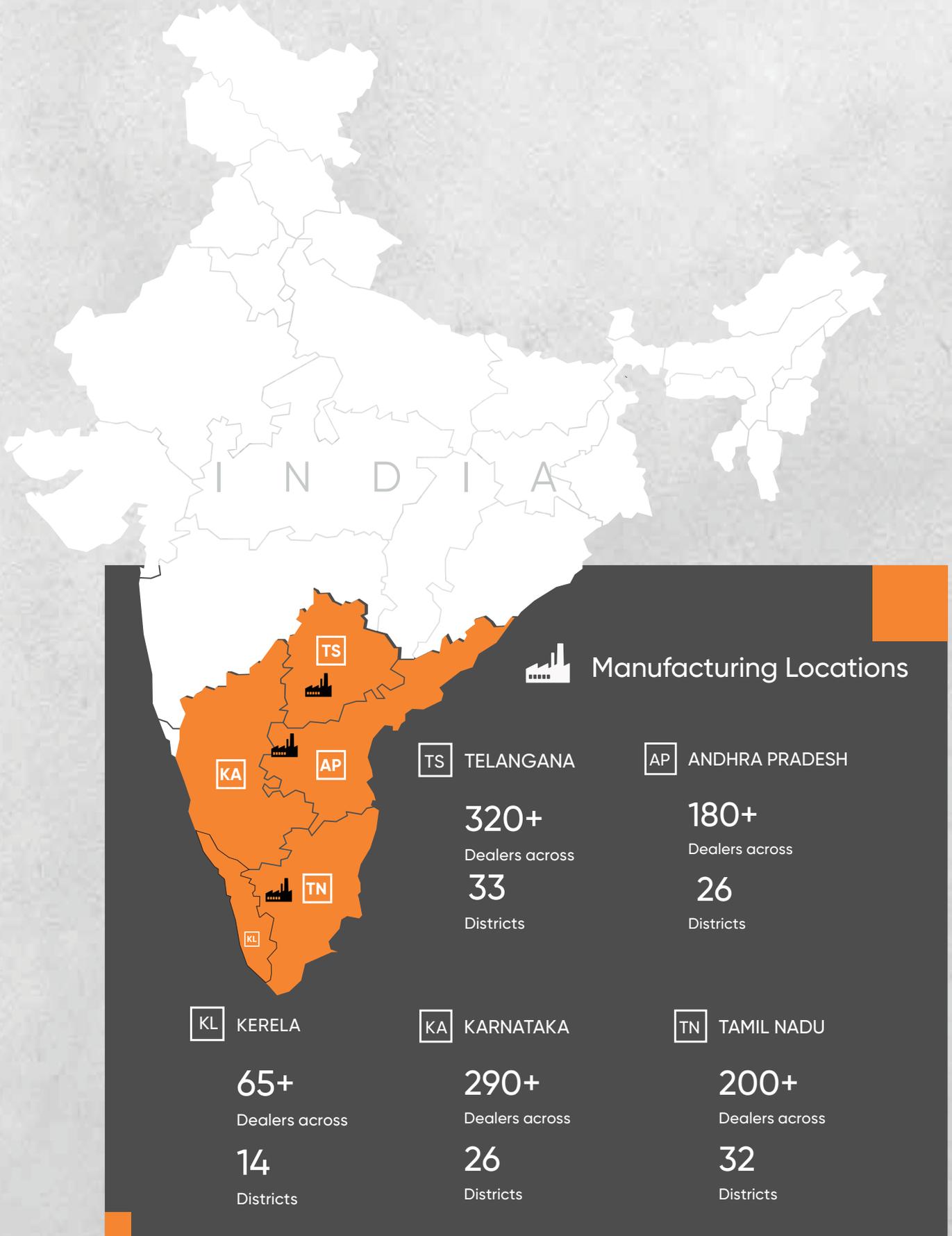
SCAFFOLDING:



We manufacture advanced scaffolding systems, including supported platform systems, suspended scaffolds and adjustable scaffolding systems. Scaffolding Systems are a series of temporary work platforms on a construction site. They are helpful in conducting construction activities above the ground level. We manufacture top quality Scaffolding Systems which have a longer life, accurate dimensions and can be customised as per the requirements of our clients.

Presence

Hariom Pipe Industries Ltd. owns three state-of-the-art production facilities in the Indian states of Telangana, Andhra Pradesh, and Tamilnadu. The newest technology has been implemented in each of the three units.





Hariom Pipe Industries Limited

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Hyderabad - 500048,
Telangana

Manufacturing Locations

UNIT 1
Survey No.58 & 63,
Sheriguda 9v), Balanagar (M),
Mahabubnagar Dist - 509 202,
Telanagana

UNIT 2
PLOT NO. B-15 to B-28, SIPCOT
INDL., Growth Centre, Perundu-
rai, Erode, Tamil Nadu, 638052

UNIT 3
Survey No .98 D.Hirehal
Village,D.Hirehal Mandal,
Ananthapur, Andhra pradesh
-515872

Warehouse:

H.No.2-34, Sy.no.151,
Dullapally Village, Qutubullapur
Mandal, Medchal District,
Telangana - 500014
Ph: +91 7207937903

NOTE- Only Warehouse in Telangana State, we do not have any branches.

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