



DELIVERING QUALITY. BUILDING TRUST.

PREMIUM GI PIPES FOR
A STRONGER WORLD



PREMIUM
QUALITY



CORROSION
RESISTANT



HIGH
STRENGTH



PRECISION
ENGINEERING

GI PIPES | TUBES | HOLLOW SECTIONS
MANUFACTURING EXCELLENCE SINCE DAY ONE



**STRENGTH
YOU CAN
BUILD ON.**



**20+
YEARS OF
EXPERIENCE**



**ISO
CERTIFIED
COMPANY**



**ADVANCED
MANUFACTURING
FACILITY**



**1000+
SATISFIED
CUSTOMERS**



**QUALITY
YOU CAN
TRUST**

ABOUT US

Strength in Every Pipe. Trust in Every Partnership.

Hissar Pipes, incorporated in 2006 headquartered at Hisar, Haryana is one of the leading manufacturers of MS ERW Black & Galvanized Iron pipes. At HPL, quality is not just a standard—it is our foundation. Built on precision engineering and a deep understanding of industry needs, we craft GI pipes that stand the test of time. From infrastructure to industry, our solutions power progress with reliability and strength. Driven by a vision to build long-term partnerships, we prioritize customer satisfaction, timely delivery, and continuous improvement. We integrate sustainability into every stage of our operations and strive towards lowering our environmental footprint while delivering quality products.

PRODUCT RANGE

	 ROUND PIPES (CHS)	 SQUARE HOLLOW SECTION (SHS)	 RECTANGULAR HOLLOW SECTION (RHS)
 SIZE	15 NB – 150 NB	25 mm x 25 mm - 72 mm x 72 mm	50 mm x 25 mm - 96 mm x 48 mm
 THICKNESS	1.4 mm - 5 mm	1.4 mm - 4 mm	1.4 mm - 4 mm
 LENGTH	3 – 7 metres	3 – 7 metres	3 – 7 metres
 SPECIFICATIONS	IS 1239-2004 (Part 1), IS 1161-2014, IS 3601-2006	IS 4923-2017	IS 4923-2017

WIDELY USED ACROSS INDUSTRIES



DIMENSIONS AND WEIGHTS

OF MS ERW PIPES AS PER IS 1239 (PART-1): 2004

Nominal Bore (NB)	Class	Outside Diameter		Wall Thickness		Standard Nominal Weight			
		Min	Max			Plain End		Screwed & Socketed	
mm/inch		mm	mm	mm	swg	kg/mtr	mtr/ton	kg/mtr	mtr/ton
15(1/2")	L	21.00	21.40	2.00	14	0.947	1056	0.956	1046
	M	21.00	21.80	2.60	12	1.21	826	1.22	820
	H	21.00	21.80	3.20	10	1.44	694	1.45	690
20(3/4")	L	26.40	26.90	2.30	13	1.38	725	1.39	719
	M	26.50	27.30	2.60	12	1.56	641	1.57	637
	H	26.50	27.30	3.20	10	1.87	535	1.88	532
25(1")	L	33.20	33.80	2.60	12	1.98	505	2.00	500
	M	33.30	34.20	3.20	10	2.41	415	2.43	412
	H	33.30	34.20	4.00	8	2.93	341	2.95	339
32(1¼")	L	41.90	42.50	2.60	12	2.54	394	2.57	389
	M	42.00	42.90	3.20	10	3.10	323	3.13	319
	H	42.00	42.90	4.00	8	3.79	264	3.82	262
40(1½")	L	47.80	48.40	2.90	11	3.23	310	3.27	306
	M	47.90	48.80	3.20	10	3.56	281	3.60	278
	H	47.90	48.80	4.00	8	4.37	229	4.41	227
50(2")	L	59.60	60.20	2.90	11	4.08	245	4.15	241
	M	59.70	60.80	3.60	9	5.03	199	5.10	196
	H	59.70	60.80	4.50	7	6.19	162	6.26	160
65(2½")	L	75.20	76.00	3.20	10	5.71	175	5.83	172
	M	75.30	76.60	3.60	9	6.42	156	6.54	153
	H	75.30	76.60	4.50	7	7.93	126	8.05	124
80(3")	L	87.90	88.70	3.20	10	6.72	149	6.89	145
	M	88.00	89.50	4.00	8	8.36	120	8.53	117
	H	88.00	89.50	4.80	6	9.90	101	10.10	99
100(4")	L	113.00	113.90	3.60	9	9.75	103	10.00	100
	M	113.10	115.00	4.50	7	12.20	82	12.50	80
	H	113.10	115.00	5.40	5	14.50	69	14.80	68
125(5")	M	138.50	140.80	4.80	6	15.90	63	16.40	61
	H	138.50	140.80	5.40	5	17.90	56	18.40	54
150(6")	M	163.90	166.50	4.80	6	18.90	53	19.50	51
	H	163.90	166.50	5.40	5	21.30	47	21.90	46

TOLERANCE

Thickness	Tolerance	Weight	Tolerance	Length	Tolerance
1. Light Tubes 2. Medium & Heavy Tubes	+Not Limited - 8% +Not Limited - 10%	1. Single Tube (Light Series) 2. Single Tube (Medium & Heavy Series) 3. For quantities per load of 10 tonnes minimum (Light Series) 4. For quantities per load of 10 tonnes minimum (Medium & Heavy Series)	+10% - 8% ±10% +7.5% - 5% ±7.5%	1. Random Length 2. Exact Length	Unless otherwise specified: 4 to 7 mtrs (includes one socket for screwed and socketed tubes) +6.00mm -0.00mm of the specified length

DIMENSIONS AND DESIGN PROPERTIES

OF STEEL TUBES FOR MECHANICAL AND GENERAL ENGINEERING PURPOSE AS PER IS 3601:2006

OD	Thickness	Mass	Area of cross-section	Moment of Inertia	Modulus of Section	Radius of Gyration
mm	Mm	Kg/mtr	cm ⁴	cm ⁴	cm ³	cm
21.3	1.80	0.866	1.10	0.53	0.50	0.69
	2.00	0.952	1.21	0.57	0.54	0.69
	2.60	1.20	1.53	0.68	0.64	0.67
26.9	1.80	1.11	1.42	1.12	0.83	0.89
	2.00	1.23	1.56	1.22	0.91	0.88
	2.30	1.40	1.78	1.36	1.01	0.87
	2.60	1.56	1.98	1.48	1.10	0.86
33.7	2.00	1.56	1.99	2.51	1.49	1.12
	2.30	1.78	2.27	2.81	1.67	1.11
	2.60	1.99	2.54	3.09	1.84	1.10
	3.20	2.41	3.07	3.60	2.14	1.08

48.3	2.30	2.61	3.32	8.80	3.64	1.63
	2.60	2.93	3.73	9.77	4.05	1.62
	2.90	3.25	4.14	10.70	4.43	1.61
	3.20	3.56	4.53	11.59	4.80	1.60
	3.60	3.97	5.05	12.69	5.25	1.59
60.3	2.30	3.29	4.19	17.65	5.85	2.05
	2.60	3.70	4.71	19.64	6.51	2.04
	2.90	4.11	5.23	21.59	7.16	2.03
	3.20	4.51	5.74	23.47	7.78	2.02
	3.60	5.03	6.41	25.87	8.58	2.01
76.1	2.60	5.24	6.00	40.57	10.66	2.60
	2.90	5.75	6.67	44.74	11.76	2.59
	3.20	6.44	7.33	48.78	12.80	2.58
	3.60	7.11	8.20	54.01	14.20	2.57
88.9	2.90	6.15	7.83	72.47	16.30	3.04
	3.20	6.76	8.62	79.21	17.80	3.03
	4.00	8.38	10.70	96.34	21.70	3.00

MANUFACTURING TOLERANCE

Sr. No.	Over	Up to	Tolerance
	mm	mm	mm
1.	-	25.40	±0.15
2.	25.40	51.00	±0.18
3.	51.00	63.50	±0.25
4.	63.50	76.10	±0.25
5.	76.10	88.90	±0.31
6.	88.90	101.60	±0.36
7.	101.60	114.30	±0.43
8.	114.30	152.40	±0.58
9.	152.40	168.30	±0.65
10.	168.30	-	±0.75

MECHANICAL PROPERTIES

Sr. No.	Tube Designation	Tensile Strength MPa	Yield Stress MPa	Elongation%, Minimum on GL=5.65 ₀	
		Min	Min	As Welded (33.7mm OD)	As Welded (33.7mm OD)
1.	WT 160	310	160	15	22
2.	WT 210	330	210	12	20
3.	WT 240	410	240	10	15

THICKNESS

The tolerance on thickness excluding the weld shall be $\pm 10\%$

DIMENSIONS AND DESIGN PROPERTIES OF STEEL TUBES FOR STRUCTURAL PURPOSES AS PER IS 1161:2014

NB	OD	Thick-ness	Mass	Area of Cross Section	Internal Volume	Surface		Moment of Inertia	Modulus of Section	Radius of Gyration	Square of Radius of Gyration
						External	Internal				
mm	mm	mm	kg/m ³	cm ²	cm ³ /m	cm ³ /m	cm ³ /m	cm ⁴ /m	cm ³	cm	cm ²
15	21.3	2	0.95	1.21	235	669	543	0.571	0.536	0.686	0.47
		2.5	1.16	1.48	209	669	512	0.664	0.623	0.671	0.45
		3	1.35	1.72	184	669	481	0.741	0.696	0.656	0.43



20	26.9	2	1.23	1.56	412	845	719	1.22	0.907	0.883	0.78
		2.5	1.50	1.92	377	845	688	1.44	1.07	0.87	0.75
		3	1.77	2.25	343	845	657	1.63	1.21	0.85	0.73
25	33.7	2	1.56	1.99	693	1059	933	2.51	1.49	1.12	1.26
		2.5	1.92	2.45	647	1059	902	3.00	1.78	1.11	1.22
		3	2.27	2.89	603	1059	870	3.44	2.04	1.09	1.19
32	42.4	2	1.99	2.54	1158	1332	1206	5.19	2.45	1.43	2.05
		2.5	2.46	3.13	1099	1332	1175	6.26	2.95	1.41	2.00
		3	2.91	3.71	1041	1332	1144	7.25	3.42	1.40	1.95
40	48.3	2	2.28	2.91	1541	1517	1392	7.81	3.23	1.64	2.68
		2.5	2.82	3.60	1473	1517	1360	9.46	3.92	1.62	2.63
		3	3.35	4.27	1405	1517	1329	11.00	4.55	1.61	2.58
50	60.3	2	2.88	3.66	2489	1894	1769	15.58	5.17	2.06	4.25
		2.5	3.56	4.54	2402	1894	1737	18.99	6.30	2.05	4.18
		3	4.24	5.40	2316	1894	1706	22.22	7.37	2.03	4.12
65	76.1	2	3.65	4.66	4083	2391	2265	31.98	8.40	2.62	6.87
		2.5	4.54	5.78	3970	2391	2234	39.19	10.30	2.60	6.78
		3	5.41	6.89	3859	2391	2202	46.10	12.11	2.59	6.69
80	88.9	2	4.29	5.46	5661	2793	2667	51.57	11.60	3.07	9.44
		2.5	5.33	6.79	5529	2793	2636	63.37	14.26	3.06	9.34
		3	6.36	8.10	5398	2793	2604	74.76	16.82	3.04	9.23
		4	8.38	10.67	5140	2793	2542	96.34	21.67	3.00	9.03
90	101.6	2	4.91	6.26	7482	3192	3066	77.6	15.28	3.52	12.41
		2.5	6.11	7.78	7329	3192	3035	95.6	18.82	3.50	12.28
		3	7.29	9.29	7178	3192	3003	113	22.25	3.49	12.16
100	114.3	2.5	6.89	8.78	9383	3591	3434	137	24.02	3.95	15.63
		3	8.23	10.49	9212	3591	3402	163	28.44	3.94	15.50
		4	10.88	13.86	8875	3591	3340	211	36.93	3.90	15.23
		5	13.48	17.17	8544	3591	3277	257	44.96	3.87	14.96
125	139.7	3	10.11	12.88	14040	4389	4200	301	43.11	4.83	23.37
		4	13.39	17.05	13623	4389	4137	393	56.24	4.80	23.04
		5	16.61	21.16	13212	4389	4075	481	68.80	4.77	22.71
150	165.1	3	11.99	15.28	19881	5187	4998	502	60.81	5.73	32.86
		4	15.89	20.24	19384	5187	4935	657	79.61	5.70	32.46
		5	19.74	25.15	18894	5187	4873	807	97.70	5.66	32.07

TOLERANCE

OD	Tolerance	Thickness	Tolerance	Weight	Tolerance
1. Up to and including 48.3 mm 2. Over 48.3 mm	+0.4 mm -0.8 mm ±1.0%	1. Welded Tubes 2. Seamless Tubes	±10% +Not Limited -12.5%	1. Single Tubes 2. 10 tonne lots	±10% ±7.5%

TENSILE PROPERTIES

Grade	Tensile Strength Min MPa	Yield Strength Min MPa	Elongation on Gauge Length 5.65 ₀ Min %
YSt 210	330	210	20
YSt 240	410	240	17
YSt 310	450	310	14
YSt 355	490	355	10

DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS AS PER IS 4923:2017

Designation/ Size	Depth D	Width B	Thick- ness t	Weight	Area of Section	Moment of Inertia	Radius of Gyration	Elastic Modulus	Plastic Modulus
mm	mm	mm	mm	kg/m	cm ²	cm ⁴	cm	cm ³	cm ³
25 x 25 x 2	25	25	2.00	1.36	1.74	1.48	0.92	1.19	1.47
25 x 25 x 2.6	25	25	2.60	1.69	2.16	1.72	0.89	1.38	1.76
25 x 25 x 3.2	25	25	3.20	1.98	2.53	1.89	0.86	1.51	1.98
30 x 30 x 2	30	30	2.00	1.68	2.14	2.72	1.13	1.81	2.21
30 x 30 x 2.6	30	30	2.60	2.10	2.68	3.23	1.10	2.15	2.68
30 x 30 x 3.2	30	30	3.20	2.49	3.17	3.62	1.07	2.41	3.08
32 x 32 x 2.6	32	32	2.60	2.26	2.88	4.02	1.18	2.51	3.11
32 x 32 x 3.2	32	32	3.20	2.69	3.42	4.54	1.15	2.84	3.59
32 x 32 x 4	32	32	4.00	3.19	4.07	5.02	1.11	3.14	4.11
38 x 38 x 2	38	38	2.00	2.18	2.78	5.88	1.46	3.10	3.70
38 x 38 x 2.6	38	38	2.60	2.75	3.51	7.14	1.43	3.76	4.57
38 x 38 x 3.2	38	38	3.20	3.29	4.19	8.18	1.40	4.30	5.34
40 x 40 x 2	40	40	2.00	2.31	2.94	6.94	1.54	3.47	4.13
40 x 40 x 2.6	40	40	2.60	2.92	3.72	8.45	1.51	4.22	5.12

40 x 40 x 3.2	40	40	3.20	3.49	4.45	9.72	1.48	4.86	6.00
49.5 x 49.5 x 2.6	49.5	49.5	2.60	3.69	4.70	16.91	1.90	6.83	8.16
49.5 x 49.5 x 3.2	49.5	49.5	3.20	4.45	5.66	19.74	1.87	7.98	9.67
49.5 x 49.5 x 4	49.5	49.5	4.00	5.39	6.87	22.95	1.83	9.27	11.46
63.5 x 63.5 x 3.2	63.5	63.5	3.20	5.85	7.46	44.35	2.44	13.97	16.65
63.5 x 63.5 x 3.6	63.5	63.5	3.60	6.51	8.29	48.55	2.42	15.29	18.36
63.5 x 63.5 x 4.5	63.5	63.5	4.50	7.93	10.10	57.00	2.38	17.95	21.93
72 x 72 x 3.2	72	72	3.20	6.71	8.54	66.32	2.79	18.42	21.80
72 x 72 x 4	72	72	4.00	8.22	10.47	79.03	2.75	21.95	26.32
72 x 72 x 4.8	72	72	4.80	9.66	12.31	90.31	2.71	25.09	30.48

DIMENSIONS AND PROPERTIES

OF RECTANGULAR HOLLOW SECTION AS PER IS 4923:2017

Designation/ Size	Depth	Width	Thickness	Weight	Area of Section	Moment of Inertia about		Radius of Gyration about		Elastic Modulus about		Plastic Modulus about	
	D	B	t			X-X	Y-Y	X-X	Y-Y	X-X	Y-Y	X-X	Y-Y
mm	mm	mm	mm	cm ²	cm ³	cm ⁴	cm	cm	cm	cm ³	cm ³	cm ³	cm ³
50x25x2.9	50	25	2.90	2.98	3.80	10.93	3.60	1.70	0.97	4.37	2.88	5.72	3.48
50x25x3.2	50	25	3.20	3.24	4.13	11.63	3.80	1.68	0.96	4.65	3.04	6.14	3.73
60x40x2.9	60	40	2.90	4.12	5.25	24.74	13.11	2.17	1.58	8.25	6.56	10.24	7.73
80x40x2.9	80	40	2.90	5.03	6.41	50.87	17.11	2.82	1.63	12.72	8.56	16.07	9.88
80x40x3.2	80	40	3.20	5.50	7.01	54.94	18.41	2.80	1.62	13.74	9.21	17.46	10.71
80x40x4	80	40	4.00	6.71	8.55	64.79	21.49	2.75	1.59	16.20	10.74	20.91	12.77
96x48x3.2	96	48	3.20	6.71	8.54	98.61	33.28	3.40	1.97	20.54	13.87	25.85	15.91
96x48x4	96	48	4.00	8.22	10.47	117.54	39.32	3.35	1.94	24.49	16.38	31.20	19.14
96x48x4.8	96	48	4.80	9.66	12.31	134.35	44.55	3.30	1.90	27.99	18.56	36.13	22.07



MANUFACTURING PROCESS

At Hissar Pipes, we don't just manufacture pipes — we build trust, strength, and lasting connections. Every pipe is manufactured through a meticulously controlled process—from raw material inspection to final dispatch—using advanced technology, precision engineering, and rigorous quality control to ensure superior strength, dimensional accuracy, and long-lasting performance.



ADVANCED MANUFACTURING. ASSURED PERFORMANCE.



STATE-OF-THE-ART MANUFACTURING FACILITY

Modern infrastructure equipped with cutting-edge technology.



STRICT QUALITY CONTROL

Rigorous quality checks at every stage to ensure superior products.



SKILLED & EXPERIENCED PROFESSIONALS

A team of experts delivering precision, consistency and excellence.



CONTINUOUS PROCESS IMPROVEMENT

Driven by innovation and commitment to deliver better every day.



CONSTRUCTION & INFRASTRUCTURE

HPL pipes are ideal for Structural Frameworks, Scaffolding & heavy-duty projects. Their high strength, corrosion resistance and load bearing capacity makes them the preferred choice for contractors, engineers, and developers.



HIGH DENSITY APPLE PLANTATION

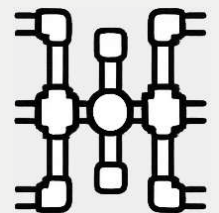
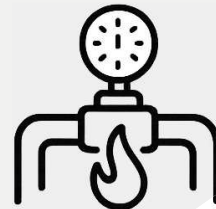
Engineered for orchard trellis and support systems delivering superior load-bearing capacity, weather resistance and reliable support for high density plantations.



**RELIABLE
SOLUTION
EVERY S**

OIL & GAS

Ideal for low-pressure fluid transfer, utility lines and structural supports. The protective zinc coating enhances resistance to atmospheric corrosion, ensuring reliable performance in challenging industrial environments.

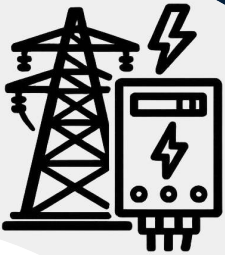


WATER SUPPLY SYSTEMS

Used in overhead and underground pipelines, plumbing networks, and water storage connections. The protective zinc coating prevents rust and contamination, while strong joints ensure leak-proof performance and consistent water flow.

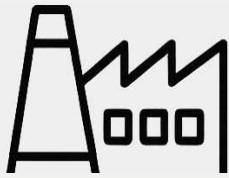
MECHANICAL & ELECTRICAL INFRASTRUCTURE

Ideal for conduit systems, equipment support structures, cable routing and industrial installations, offering strength, corrosion resistance and long-lasting performance.

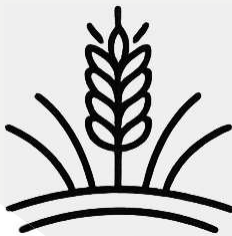


INDUSTRIAL & ENGINEERING PROJECTS

Ideal for process piping, utility lines, structural frameworks, machinery supports, and fabrication across manufacturing plants and engineering facilities. With precise dimensions and robust construction, our pipes enable efficient installation, low maintenance, and dependable performance, making them a trusted choice for diverse industrial applications.



PIPE S ACROSS SECTOR



AGRICULTURE & IRRIGATION

Designed to withstand harsh outdoor conditions, our GI pipes are widely used in borewells, irrigation pipelines, sprinkler and drip systems, ensure leak-proof water flow across farms. Their strength and durability make them suitable for both surface and underground installations.



POLYHOUSE & GREENHOUSE

Designed for robust greenhouse and polyhouse frames for protected cultivation ensuring stability, weather resistance and extended service life.

WHAT SETS US APART?



STRENGTH & DURABILITY

Manufactured from premium-grade steel coils, our pipes offer excellent strength & load bearing capacity, resistance to bending and deformation and a long service life.



STRICT QUALITY COMPLIANCE

At HPPL, our operations are aligned with ISO 9001:2015 and our pipes are manufactured as per BIS standards (IS 1239, IS 1161, IS 3601 and IS 4923). Through our advanced HFW technology, and rigorous testing protocols, we ensure unmatched quality and reliability in every pipe.



COST-EFFECTIVENESS

Our advanced manufacturing processes and stringent quality control systems ensure optimal material utilization, minimal wastage, and high production efficiency. This allows us to offer competitively priced products. The durability and corrosion resistance of our pipes further reduces maintenance and replacement costs, delivering long-term value to our customers.



PRECISION MANUFACTURING

Our precision manufacturing ensures accurate dimensions, strong weld integrity and smooth finish. Tight tolerances are maintained which results in hassle-free installations and compatibility in Automotive, Water Supply, Gas, Oil Industries & other structural implementation.



CORROSION RESISTANCE

Hot-dip galvanization ensures a uniform zinc coating that provides long-lasting resistance against rust, even in harsh environments like coastal and industrial zones, which results in longer service life with minimal maintenance.



AFTER SALE SUPPORT

We believe our relationship with customers doesn't end at the point of purchase—it begins there. Our after-sales support ensure you enjoy a smooth, worry-free experience with our products.

QUALITY ASSURANCE

Delivering Excellence Through Rigorous Testing & Inspection

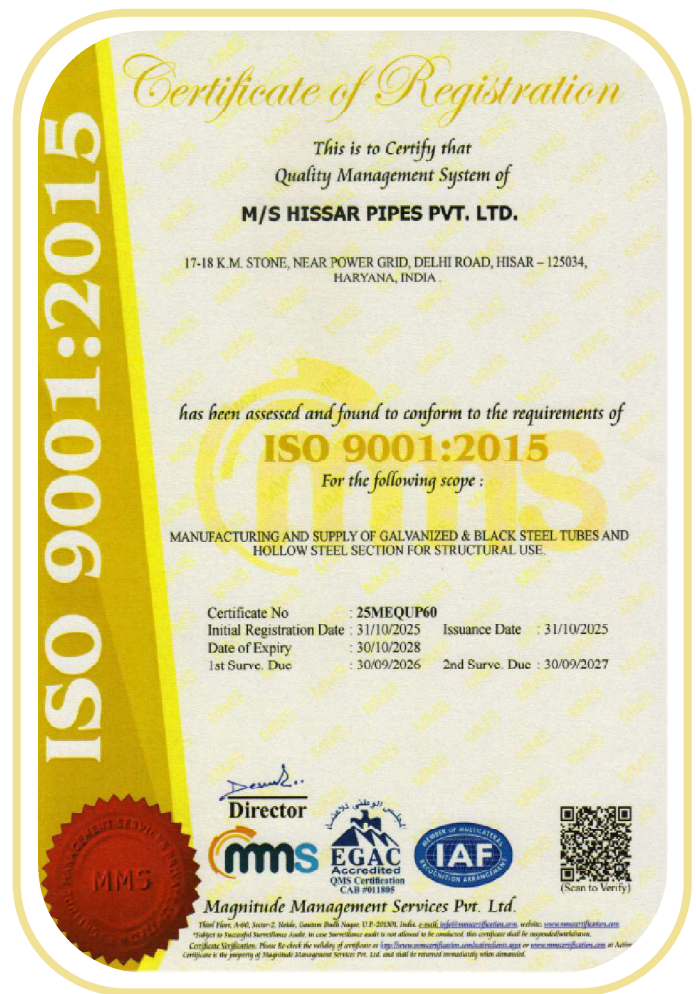
At Hissar Pipes, quality is embedded in every stage of manufacturing. From careful selection of high-grade raw materials to precision driven production and final inspection, every pipe undergoes rigorous quality control to ensure superior strength, durability and performance.

Our state-of-the-art testing equipment enables us to deliver quality products as per the industry standard. These facilities include Bend Test Machine, Hydrostatic Test Machine, Tensile Test Machine etc. Apart from these, we conduct a comprehensive range of tests including raw material testing, in-process testing, dimensional tests, galvanizing tests, and third-party tests (such as RITES, CEIL, IRC) to guarantee that every pipe meets stringent industry requirements.

Our operations are aligned with ISO 9001:2015 standards, ensuring strict process control, continuous monitoring, and consistent product performance to meet global standards. Each product is verified for dimensional accuracy, strength, and surface quality before delivery.

Driven by innovation and precision engineering, our production processes adhere to stringent quality norms including IS 1239, IS 1161, IS 3601 and IS 4923 ensuring consistency, strength, and reliability in every product we deliver.

Our manufacturing facility is equipped with advanced machinery and a skilled workforce, enabling us to maintain high production efficiency while ensuring uncompromised quality. Each pipe undergoes rigorous testing and inspection to meet both domestic and international requirements.



CERTIFIED STANDARDS





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