



BHUSHAN TUBES PVT. LTD.



BECAUSE
QUALITY MATTERS



About us

BHUSHAN TUBES PVT. LTD. an ISO 9001:2015 & ISO 45001:2018 certified company is the leading Authorized distributor and stockiest of Jindal Pipes Ltd, Maharashtra Seamless Ltd, Surya Roshni Ltd, SAIL (Steel Authority of India Ltd), Jindal Saw Ltd, Welspun for **MS ERW Pipes, Galvanized ERW Pipes, Seamless Pipes and Spiral Welded Pipes** with enviable network of sales offices and warehouses at different locations within the country.

Our presence in this industry for more than 30 years has helped us to provide the expertise solutions to each requirement with the aim to give complete customer satisfaction. **Our Annual Group Turnover for the financial year 2021-22 has crossed 5 Billion INR.** Our aim is to take it further by building partnerships fostered by trust and mutual understanding, providing genuine and best quality products to our customers with the fastest delivery time at the most competitive prices and striving to achieve highest levels of customer satisfaction from our strategically located sales office & warehouses at Mumbai (Maharashtra), Delhi, Ahmedabad (Gujarat), Nagothane (Maharashtra) Ghaziabad (Uttar Pradesh), Rourkela (Odisha) & Kochi (Kerala).

We cater to the piping demands of a wide range of Industries like Sugar Industries, Paper Mills, Chemical Mills, Automobile Industries, Power Plant Mfg., Fire Fighting Contractors, Turnkey Contractors, HVAC Contractors, Oil & Gas Industries, Boiler Manufacturers, State Water Department Contractors, etc. by way of our widespread product portfolio which includes M.S ERW PIPES and G.I ERW PIPES, Carbon Steel and Alloy Steel SEAMLESS PIPES, ERW Boiler PIPES, Larger Diameter PIPES (H-SAW Or L-SAW), LTCS PIPES etc.

We have arrangement for Galvanizing, 3 LPE & Epoxy, CML coating, Polyurethane Powder Coating, Guniting, and all type of Paintings Complying to various specifications for all types of pipes. We also offer Third Party Inspections at the testing facilities & we have in house calibrated instruments if inspections are required by any of our esteemed customer at our godowns or warehouses. We are specialist in providing economical mode of transportation of pipes by doing telescopic nesting of pipes.



FIRE FIGHTING



ERW PIPES

Product Range	MS ERW Black Pipes
OD	½" to 20" (NB - 15 MM to 500 MM)
Thickness	2.00 MM to 12.70 MM
Specification	❖ IS 1239 ❖ IS 3589 FE 330/410 ❖ IS 1161 YST 210/240/310 ❖ IS 4270 ❖ IS 3183 ❖ ASTM A 53 GR B ❖ API 5L

G.I ERW PIPES

Product Range	GI Pipes
OD	½" to 24" (NB - 15 MM to 600 MM)
Thickness	2.00 MM to 25.40 MM THK
Specification	❖ IS 1239 ❖ IS 3589 ❖ IS 1161 YST 210/240/310 ❖ IS 4736 ❖ IS 3183 ❖ ASTM A 53 GR B ❖ API 5L

COLD STORAGE APPLICATIONS



STEEL PLANTS



C. S SEAMLESS PIPES

Product Range	Carbon Steel Seamless Pipes & Tubes
OD	21.30 MM to 508 MM or (½" to 20").
Thickness	2.77 MM to 40 MM
Specification	❖ ASTM 106 GR B ❖ ASTM A 53 GR B ❖ API 5L

Large Diameter Spiral Welded Pipes

Product Range	Large Diameter Spiral Welded Pipes
OD	20" to 130" (550 MM to 3250 MM)
Thickness	5.00 MM to 25.40 MM
Specification	❖ IS 3589 FE 330/410/450 ❖ API 5L gr upto X 80-PSL2

TRANSPORTATION OF RAW WATER



HEAT EXCHANGER



ERW Boiler & Air Heater Tubes

Product Range	ERW Boiler & Air Heater Tubes
OD	33.4 MM to 355.6 MM or (1" to 14")
Thickness	2.03 MM to 9.52 MM
Specification	❖ BS: 3059 (Pt-I & II)/BS: 6323 (Pt-V)/ ❖ ASTM, A-178/A-214/A-333/A-334 ❖ IS: 1914 (Pt-IV)/ IS: 2416 (Pt-IV)/ ❖ IS: 11714 (Pt-III).

Boiler & Alloy Steel Seamless Pipes & Tubes

Product Range	Boiler & Alloy Steel Seamless Pipes & Tubes
OD	21.30 MM to 508 MM or (½" to 20").
Thickness	2.77 MM to 40 MM
Specification	❖ ASTM A 335, P-11/P-22/P-5/P-9/P-91 ❖ ASTM A 213, T-11/T-22/T-5/T-9/T-91

BOILERS



COATING ON PIPES



Additional Services :-

1. Coating on Pipes

- ❖ 3 LPE COATING :- SIZE 80 NB – 3000 NB as per DIN 30670 specification.
- ❖ Epoxy Coating - Size 100NB to 3000 NB as per AWWA C210/IS:3589 specification.
- ❖ Colour Painting :- Size 15 NB & Above
- ❖ Aluminium Painting :- Size 15 NB & Above
- ❖ Galvanising :- Size 15 NB & Above
- ❖ Blasting - Surface Preparation Copper Slag, Grit, Steel Shot, Manual Wire Grinder
- ❖ Glass Flake Lining -Airless Based Spray Application & CSM Matt Based Putty Application
- ❖ Polyurethane Coating- 3:1 Plural Airless Spray Heat Based as per AWWA C222 Spec
- ❖ Rubber Lining Vulcanisation & Cold Application (Pipes/Tanks etc.)
- ❖ Epoxy Coatings- Airless Based Epoxy application as well as manual application
- ❖ Coal Tar Tape Wrapping - Pipes Manual Tape Wrapping
- ❖ Structure Painting- Air Based Painting on Structures
- ❖ Powder coating

2. Third Party Inspection Agency (TPIA)



3. Telescopic Nesting of pipes

TELESCOPIC NESTING OF PIPES





Multiple Awards For Outstanding Performance All India In ERW and Seamless Pipes & Tubes 2020-22, Awarded by Shri D.P. Jindal Ji



ISO 9001 CERTIFICATE



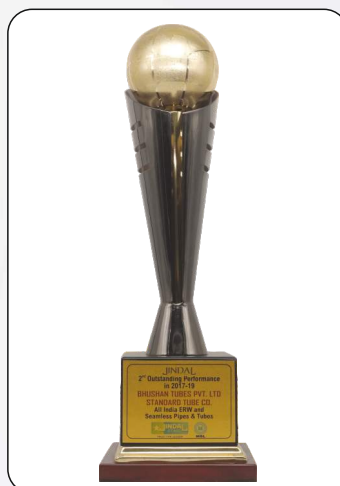
ISO 45001 CERTIFICATE



Outstanding Performance all India in ERW and Seamless Pipes & Tubes 2012-13 Awarded by Shri D.P. Jindal Ji



Outstanding Performance all India in ERW and Seamless Pipes & Tubes 2014-15 Awarded by Shri D.P. Jindal Ji



Outstanding Performance all India in ERW Seamless Pipes & Tubes 2017-19 Awarded by Shri D.P. Jindal Ji



Best Performer Appreciation 2018-2019 Awarded by Steel Authority of India

BLACK PIPES FOR WATER, GAS & AIR

Technical Data of Black Pipes

Specification IS:1239 (PART-1):2004 - DIN 2440, DIN 2441

(Equivalent BS:1387:1990/EN-10255:2004*/DIN EN 10240 : 1998)

NB (mm)	Series	Outside Diameter		Wall Thickness		Nominal Weight Black Tubes			
		MIN. (mm)	MAX. (mm)			Plain End		Screwed & Socketed	
				MM	SWG	Kg/M	Mtrs/Ton	Kg/M	Mtrs/Ton
15	Light	21.0	21.4	2.0	14	0.95	1052	0.96	1046
	Medium	21.0	21.8	2.6	12	1.21	826	1.22	820
	Heavy	21.0	21.8	3.2	10	1.44	694	1.45	690
20	Light	26.4	26.9	2.3	13	1.38	725	1.39	719
	Medium	26.5	27.3	2.6	12	1.56	641	1.57	637
	Heavy	26.5	27.3	3.2	10	1.87	535	1.88	532
25	Light	33.2	33.8	2.6	12	1.98	505	2.00	500
	Medium	33.3	34.2	3.2	10	2.41	415	2.43	412
	Heavy	33.3	34.2	4.0	8	2.93	341	2.95	339
32	Light	41.9	42.5	2.6	12	2.54	394	2.57	389
	Medium	42.0	42.9	3.2	10	3.10	322	3.13	319
	Heavy	42.0	42.9	4.0	8	3.79	264	3.82	262
40	Light	47.8	48.4	2.9	11	3.23	310	3.27	306
	Medium	47.8	48.8	3.2	10	3.56	281	3.60	278
	Heavy	47.9	48.8	4.0	8	4.37	229	4.41	227
50	Light	59.6	60.2	2.9	11	4.08	245	4.15	241
	Medium	59.7	60.8	3.6	9	5.03	199	5.10	196
	Heavy	59.7	60.8	4.5	7	6.19	161	6.26	160
65	Light	75.2	76.0	3.2	10	5.74	175	5.83	172
	Medium	75.3	76.6	3.6	9	6.42	156	6.54	153
	Heavy	75.3	76.6	4.5	7	7.93	126	8.05	124
80	Light	87.9	88.7	3.2	10	6.72	149	6.89	145
	Medium	88.0	89.5	4.0	8	8.36	120	8.53	117
	Heavy	88.0	89.5	4.8	6	9.90	101	10.10	96
100	Light	113.0	113.9	3.6	9	9.75	102	10.00	100
	Medium	113.1	115.0	4.5	7	12.20	82	12.50	80
	Heavy	113.1	115.0	5.4	5	14.50	69	14.80	68
125	Medium	138.5	140.8	4.8	6	15.90	63	16.40	61
	Heavy	138.5	140.8	5.4	5	17.90	56	18.40	54
150	Medium	163.9	166.5	4.8	6	18.90	53	19.50	51
	Heavy	163.9	166.5	5.4	5	21.30	47	21.90	46

Tolerances

A) Thickness

1. Light Tubes : +Not limited -8%
2. Medium & Heavy Tubes :
+Not limited
-10%

B) Weight Light Series

1. Singles Tube : +10%
(Light Series) : -8%
2. Medium & Heavy Series
Single Tubes : ±10%
3. For quantities per load of
10 tonnes minimum : +7.5%, -5%
(Light Series)
4. For quantities per load of
10 tonnes minimum : ±7.5%
(Medium & Heavy Series)

C) Length

Normal : 6 mtr +0.05mtr
Random Length 4 to 7 mtrs
or as specified by customer

D) Hydro Test

Each pipe is tested for leak
proof test.

E) End condition

- Plain End
- Bevel End
- Screwed & socketed
- Screwed without socketed
- As per customer specification

ERW pipes for water & sewage conforming to IS:3589 & water well casing conforming to IS:4270

SIZE		COVENTIONAL MASS PER UNIT LENGTH (Kg/m)																									
NB	OD	Wall Thickness (mm)																									
		3.20	3.60	4.00	4.30	4.65	4.85	5.00	5.20	5.40	5.60	6.00	6.35	6.40	7.00	7.10	8.00	9.50	10.00	10.30	10.50	11.10	11.50	12.00	12.50	12.70	
100	114.30	-	-	-	-	-	-	13.48	-	14.50	-	16.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125	141.30	-	-	-	-	-	-	16.81	-	18.10	-	20.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150	168.30	13.03	14.62	16.21	17.39	18.77	19.55	20.13	20.91	21.69	-	24.01	25.36	25.55	27.84	28.22	-	-	-	-	-	-	-	-	-	-	-
175	193.70	-	16.68	18.71	20.08	21.68	22.59	23.27	24.17	25.07	-	27.77	29.34	29.56	32.23	32.67	36.63	-	-	-	-	-	-	-	-	-	-
200	219.10	-	19.13	21.22	22.78	24.59	25.62	26.40	27.43	28.46	29.48	31.53	33.31	33.57	36.61	37.12	41.65	49.10	51.56	53.03	54.01	56.94	58.87	61.29	63.68	64.64	
225.0	244.50	-	-	-	23.72	25.47	27.50	28.66	29.53	30.69	31.84	32.99	35.29	37.29	37.58	41.00	41.57	46.66	55.05	57.83	59.49	60.59	63.89	66.08	68.80	71.51	72.60
250	273.10	-	23.93	26.54	28.50	30.78	32.08	33.06	34.35	35.65	36.94	39.52	41.77	42.09	45.93	46.57	52.30	61.75	64.88	66.75	68.00	71.72	74.19	77.26	80.33	81.55	
300	323.90	-	-	31.55	33.89	36.61	38.16	39.32	40.87	42.41	43.96	47.04	49.73	50.11	54.70	55.47	62.32	73.65	77.41	79.65	81.15	85.62	88.59	92.30	95.99	97.46	
350	355.60	-	-	34.68	37.25	40.24	41.95	43.23	44.93	46.63	48.33	51.73	54.69	55.11	60.18	61.02	68.57	81.08	85.22	87.71	89.36	94.30	97.58	101.68	105.76	107.39	
400	406.40	-	-	-	-	46.07	48.03	49.49	51.45	53.40	55.35	59.24	62.64	63.13	68.94	69.91	78.60	92.98	97.75	100.61	102.51	108.20	111.99	116.71	121.42	123.30	
450	457.00	-	-	-	-	51.87	54.08	55.73	57.94	60.14	62.34	66.73	70.57	71.12	77.68	78.77	88.58	104.84	110.23	113.46	115.61	122.05	126.34	131.68	137.02	139.15	
500	508.00	-	-	-	-	57.72	60.18	62.02	64.48	66.93	69.38	74.28	78.55	79.16	86.48	87.70	98.64	116.78	122.81	126.41	128.82	136.01	140.80	146.78	152.74	155.12	



CHEMICAL COMPOSITION & MECHANICAL PROPERTIES (ERW)

SPECIFICATION	GRADE	CHEMICAL COMPOSITION (%) MAX.							MECHANICAL PROPERTIES										IMPACT
		C	MN	P	S	SI	C.E.		YIELD STRENGTH				TENSIL STRENGTH				0% ELONGATIONE (MIN)		
							PCM	IIW	MIN		MAX		MIN		MAX				
									PSI	MPA	PSI	MPA	PSI	MPA	PSI	MPA			
IS:1239	-	0.20	1.30	0.040	0.040	-	-	-	-	-	-	-	320	-	-	12 UPTO 25mm NB 20 above 25mm	-		
IS:3589	Fe 330	0.16	1.20	0.040	0.040	-	-	-	-	195	-	-	-	330	-	-	20	-	
	Fe 410	0.20	1.30	0.040	0.040	-	-	0.45	-	235	-	-	-	410	-	-	18	-	
	Fe 450	0.25	1.20	0.040	0.040	-	-	0.45	-	275	-	-	-	450	-	-	15 GL=5.65/√Area	-	
IS:1161	YST-210	0.12	0.60	0.040	0.040	-	-	-	-	210	-	-	-	330	-	-	20	Distance between plates Forweld-75%, 85%,85% For Parent-60%,75% 75% N.A.	
	YST-240	0.16	1.20	0.040	0.040	-	-	-	-	240	-	-	-	410	-	-	17		
	YST-310	0.25	1.30	0.040	0.040	-	-	0.45	-	310	-	-	-	450	-	-	14 GL=5.65/√Area		
IS:4270	Fe 410	-	-	0.040	0.040	-	-	-	-	235	-	-	-	410	-	-	15	Hardness =230 HV max	
	Fe 450	-	-	0.040	0.040	-	-	-	-	275	-	-	-	450	-	-	13 GL=5.65/√Area		
IS:4923	YAST-210	-	-	0.050	0.050	-	-	-	-	210	-	-	-	330	-	-	upto 25.4 Above 25.4	-	
	YST-240	-	-	0.050	0.050	-	-	-	-	240	-	-	-	410	-	-	12 20		
	YST-310	-	-	0.050	0.050	-	-	-	-	310	-	-	-	450	-	-	10 15 8 10 GL=5.65/√Area		
IS:9295	YAST-210	-	-	0.06	0.06	-	-	-	-	210	-	-	-	330	-	-	20	Drift test = minimum increase in OD after expansion shall be 2.5% flatterting distance between plates for weld=75% and for parent =60%	
	YST-240	-	-	0.06	0.06	-	-	-	-	240	-	-	-	410	-	-	18		
	YST-310	-	-	0.06	0.06	-	-	-	-	310	-	-	-	450	-	-	15 GL=5.65/√Area		
API 5L PSL -1 & IS/ISO:3183 PSL-1	L 210 or A	0.22	0.90	0.030	0.030	-	-	-	30,500	210	-	-	48,600	335	-	-	U.S Customary Unit e=625,000 A ^{1/2} / U ^{0.5} S.I Unit e=1940 A ^{1/2} / U ^{0.5} Legend : e=Specified min. elongation A=Tensile test piece cross sectional area U=Specified min. tensile strength.	-	
	L245 or B	0.26	1.20	0.030	0.030	-	-	-	35,500	245	-	-	60,200	415	-	-			
	L290 or X-42	0.26	1.30	0.030	0.030	-	-	-	42,100	290	-	-	60,200	415	-	-			
	L320 or X-46	0.26	1.40	0.030	0.030	-	-	-	46,400	320	-	-	63,100	435	-	-			
	L360 or X-52	0.26	1.40	0.030	0.030	-	-	-	52,200	360	-	-	66,700	460	-	-			
	L390 or X-56	0.26	1.40	0.030	0.030	-	-	-	56,600	390	-	-	71,100	490	-	-			
	L415 or X-60	0.26	1.40	0.030	0.030	-	-	-	60,200	415	-	-	75,400	520	-	-			
	L450 or X-65	0.26	1.45	0.030	0.030	-	-	-	65,300	450	-	-	77,600	535	-	-			
	L485 or X-70	0.26	1.65	0.030	0.030	-	-	-	70,300	485	-	-	82,700	570	-	-			
	L245M or BM	0.22	1.20	0.025	0.015	0.45	0.25	0.43	35,500	245	65,300	450	60,200	415	110,200	760			
API 5L PSL -2 & IS/ISO:3183 PSL-2	L290M or X-42M	0.22	1.30	0.025	0.015	0.45	0.25	0.43	42,100	290	71,800	495	60,200	415	110,200	760	27 (20)		
	L320Mor X-46M	0.22	1.30	0.025	0.015	0.45	0.25	0.43	46,400	320	76,100	525	63,100	435	110,200	760	27 (20)		
	L360M or X-52M	0.22	1.40	0.025	0.015	0.45	0.25	0.43	52,200	360	76,900	530	66,700	460	110,200	760	27 (20)		
	L390M or X-56M	0.22	1.40	0.025	0.015	0.45	0.25	0.43	56,600	390	79,000	545	71,100	490	110,200	760	27 (20)		
	L415M or X-60M	0.12	1.60	0.025	0.015	0.45	0.25	0.43	60,200	415	81,900	565	75,400	520	110,200	760	27 (20)		
	L450M or X-65M	0.12	1.60	0.025	0.015	0.45	0.25	0.43	65,300	450	87,000	600	77,600	353	110,200	760	27 (20)		
	L485M or X-70M	0.12	1.70	0.025	0.015	0.45	0.25	0.43	70,300	485	92,100	635	82,700	570	110,200	760	27 (20)		
ASTM A-53	A	0.25	0.95	0.050	0.045	Cu, Ni Cr=0.40 Max. Mo=0.15 Max., V=0.08 Max.			30,000	205	-	-	48,000	330	-	-	e=625,000A ^{1/2} /U ^{0.5} at GL 50.8 mm	-	
	B	0.30	1.20	0.050	0.045				35,000	240	-	-	60,000	415	-	-			

CHEMICAL COMPOSITION & MECHANICAL PROPERTIES (SEAMLESS PIPES & TUBES)

SPECIFICATION	TYPE	GRADE	CHEMICAL COMPOSITION (%)														MECHANICAL PROPERTIES				0% ELONGATIONE (MIN)	HYDROLIC TEST PRESSURE	HARDNESS (MAX)		
																	YIELD STRENGTH							TENSIL STRENGTH	
			C		MN		P	S	SI		CR		MO		CU	NI	V	MIN		MIN					
			MIN	MAX	MIN	MAX	MAX	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX	MAX	PSI	MPA	PSI				MPA	
ASTM A-53	E&S E&S	A B	- -	0.25 0.30	- -	0.95 1.20	0.050 0.050	0.045 0.045	- -	- -	- -	0.40 0.40	- -	0.15 0.15	0.40 0.40	0.40 0.40	0.08 0.08	30,000 35,000	205 240	48,000 60,000	330 415	e=1940A ^{0.5} /U ^{0.5} e=Min. elongation A=Tensil test piece Cross Sectional area (mm²) U= Specified Min. tensil strenght (Mpa)	P=25 t/D or 2800 PSI (19.3 Mpa) for size >3.5"OD P=25 t/D or 2500 PSI (17.2 Mpa) for size ≤3.5"OD whichever is smaller S=0.60 times minimum Specified YS PSI (MPa)		
ASTM A-106	S	A B C	- - -	0.25 0.30 0.35	0.27 0.29 0.29	0.93 1.06 1.06	0.035 0.035 0.035	0.035 0.035 0.035	0.10 0.10 0.10	- - -	- - -	0.40 0.40 0.40	- - -	0.15 0.15 0.15	0.40 0.40 0.40	0.40 0.40 0.40	0.08 0.08 0.08	30,000 35,000 40,000	205 240 275	48,000 60,000 70,000	330 415 485	35L / 25T 30L / 16.5T 30L / 16.5T	P=25 t/D or 2800 PSI (19.0 Mpa) for pipe size >3.5"OD P=25 t/D or 2500 PSI (17.0 Mpa) for pipe size ≤3.5"OD whichever is smaller S=0.60 times SMYS PSI (MPa)		
ASTM A-178	E E E	A C D	0.06 - -	0.18 0.35 0.27	0.27 0.80 1.00	0.63 0.80 1.50	0.035 0.035 0.030	0.035 0.035 0.015	- - 0.10	- - -	- - -	- - -	- - -	- - -	- - -	- - -	26,000 37,000 40,000	180 255 275	47,000 60,000 70,000	325 415 485	35 30 (for 8 mm WT) 30	P=32000 t/D (Inch-pound Unit) P=220.6t/D (S.I Unit)			
ASTM A-179	S	-	0.06	0.18	0.27	0.63	0.035	0.035	-	-	-	-	-	-	-	-	-	26,000	180	47,000	325	35		72 HRB	
ASTM A-192	S	-	0.06	0.18	0.27	0.63	0.035	0.035	-	0.25	-	-	-	-	-	-	-	26,000	180	47,000	325	35		77 HRB<5.10mm WT 137 HB≥5.10mm WT	
ASTM A-209	S	T1 T1a T1b	0.10 0.15 -	0.20 0.25 0.14	0.30 0.30 0.30	0.80 0.80 0.80	0.25 0.25 0.25	0.25 0.25 0.25	0.10 0.10 0.10	0.50 0.50 0.50	- - -	- - -	0.44 0.44 0.44	0.65 0.65 0.65	- - -	- - -	- - -	30,000 32,000 28,000	205 220 195	55,000 60,000 53,000	380 415 365	30 30 30		80 HRB WT<5.10mm 146 BHN WT≥5.10mm 81 HRB WT<5.10mm 153 BHN WT≥5.10mm 77 HRB WT<5.10mm 137 BHN WT≥5.10mm	

OUR PRESENCE



- DELHI :- Corporate & Head Office
- DELHI :- Warehouse
- GHAZIABAD (UP) :- Branch Office & Warehouse
- AHMEDABAD (GUJRAT) :- Marketing Office
- MUMBAI (MH) :- Branch Office & Warehouse
- KOCHI (KERALA) :- Branch Office & Warehouse
- NAGOTHANE (MH) :- Warehouse
- ROURKELA (ODISHA) :- Warehouse

AUTHORIZED DISTRIBUTORSHIP & CHANNEL PARTNER