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پیوست : ۹۱/۳۹۷۶۱



مدیرعامل محترم شرکت تجهیز صنعت هزاره

با سلام ،

محترماً به اطلاع می‌رساند براساس چهارصد و هفتاد و چهارمین جلسه مورخ ۹۱/۱۱/۷ کمیته فنی بازرگانی ، نام شرکت SLS Tubes PVT. LTD (هند) در لیست سازندگان / فروشندگان مورد تأیید (Approved Vendors List) شرکت ملی مهندسی و ساختمان نفت ایران برای مدت دو سال از تاریخ جلسه فوق به عنوان تولیدکننده محصولات نامبرده ذیل به ثبت رسیده است. تمدید اعتبار منوط به تأیید مجدد براساس عملکرد آن شرکت خواهد بود. مضافاً اینکه قرار گرفتن نام آن شرکت در لیست سازندگان / فروشندگان مورد تأیید این شرکت لزوماً هیچگونه تعهدی جهت خرید ایجاد نمی‌نماید. ضمناً نام شرکت تجهیز هزاره به عنوان نماینده شرکت فوق به ثبت رسیده است.

- 1- Seamless Pipe (S.S 1" up to 8") (C.S 1/2" up to 8")
- 2- ERW Pipe (S.S) (1" up to 20")

همچنین می‌توانید جهت ملاحظه کردن لیست سازندگان / فروشندگان مورد تأیید این مراجعه فرمائید. www.nioec.org به سایت (A.V.L) شرکت

صفرعلی موسی نژاد
رئیس خدمات فنی و بررسی منابع کالا



Manufacturers of Stainless Steel,
Carbon Steel, Alloy Steel, Seamless / Welded
Pipes, Tubes & "U" Tubes



The best way
to **reach** us is
globally



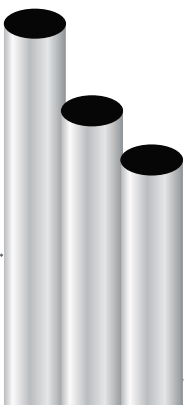
About Us



SLS TUBES PVT. LTD. is one of the leading and well diversified group dealing in Stainless Steel, Carbon Steel, Alloy Steel, Seamless/Welded Pipes, Tubes & 'U' Tubes. SLS Tubes Pvt. Ltd. (STPL) is formed as a forward integration to the existing business of supplying all Ferrous & Non-Ferrous metals operating under the name of **SLS Stainless** Promoted by Shri Shantilal Sanghvi who has a collective experience of more than 3 decades in Stainless Steel Pipes & Tubes Industries.

The most modern and state-of-the art manufacturing plant of STPL is situated at Ahmedabad, Gujarat, India. The plant is fully equipped with Electric furnaces, Tube mill, Draw benches, Straightening, Polishing, Annealing, Pilgering machines and all other necessary testing equipments.

Within a short span of time we have ruffled many feathers in the stainless steel industry with our quality of material, cost effective manufacturing process and our ability to deliver ahead of schedule. We have achieved such excellence in manufacturing because of our constant quest for understanding ever changing customers requirements, technological up gradation and our people having the right aptitude and attitude to give customers "Total satisfaction".



E-mail: info@slstubes.com

Product Range



STAINLESS STEEL, SEAMLESS / WELDED TUBES / PIPES & "U" TUBES

Size	: 6 mm OD to 219 mm OD
Thickness	: 0.5 mm to 6 mm
Length	: Random Length - 4 to 7 MTR. Fixed Length up to 28 MTR.
Condition	: Hot Finish/Cold Finish, Heat Treated, Pickled & Passivated, Stress Relieve, Bright Annealing
Standards	: ASTM A 213, A 249, A 268, A 269, A 270, A 312, A 789, A 790, B 861, B 862, Equivalent DIN & BS
Grades	: Austenitic Series, Ferritic Series - 410 Duplex Special Alloy, Special Duplex, Titanium

LARGE DIAMETER S.S. PIPES



Size	: 200 mm OD to 600 mm OD
Thickness	: 4 mm to 16 mm
Length	: Random Length 4-6 MTR. Fixed Length up to 6 MTR.
Condition	: Heat Treated, Pickled & Passivated, Stress Relieved
Standards	: ASTM 312, A-358, & DIN BS equivalent
Radius	: Straight Pipe Only
Grade	: Austenitic Series

CARBON STEEL / ALLOYS STEEL SEAMLESS PIPE / TUBES & "U" TUBES



Size Range	: 6 mm OD to 200 mm OD
Thickness	: 0.5 mm to 12 mm
Length	: Random Length 4 to 7 MTR. Standard Fixed Length up to 28 MTR.
Conditions	: Hot Finish/ Cold Finish, Heat Treated & Stress Relieved, Bright Annealing.
Standards	: ASTM A53, A106, A179, A192, A213, A210, A 33, A 334, A335, BS 3059, P9, P11, P22, P91 BS-6323, BS-3059, Din 17175, Din 2391, JIS G 3461
Radius	: 1.5 D to 2 MTR. D U Bend
Grades	: Carbon Steel / Alloy Steel

Manufacturing Process

Raw material: Stainless Steel Strips / Hollows of Carbon Steel / Alloy Steel / Stainless Steel

The company uses Raw Material from reputed suppliers from India and abroad. As per technical specification standard ASTM, Hot / Cold finished materials are checked for quality as per test certificate and then send for manufacturing process. We have two types of cold drawing process.

SEAMLESS PIPES & TUBES

Pilgering

- Cold Pilgering process using full link die and taper mandral
- To reduce the cross section by upto 90%, because the process relies on large number of small forming steps
- Cold Pilgering are longitudinal cold rolling process that reduce the diameter and wall thickness of metal tube in one process step
- By cold Pilgering process surface finish achieved better than cold drawing finish (Less than 0.4 micron) and improved microstructure grain size.
- Our pilgering range are OD 12 to 73mm and wall thickness 0.8 to 4mm

Cold Drawing

- In cold drawing process raw material tubes are coated with some special chemical or applied some special lubricant oil.
- The tubes are pulled through tungsten carbide die and floting / fixed plug in side the tubes, resulting in reduced tube diameter and wall thickness corresponding increase in tube length.
- Our capacity of drawing are OD 6 to 219mm & thickness are 0.8 to 12mm.

Large Diameter Pipes

Stainless Steel Pipe (welded) 10" NB to 24" NB. in schedule 5, Schedule 10, Schedule 20, Schedule 40 and also special wall thickness is formed on 800 M.T. Press Brakes Hydraulic Press in length upto 6.0 to 7.0 meters. This section produces S.S. Pipes (welded) as per ASTM A - 358 by TIG welding and filler materials is used. The large diameter pipe is then sized & straightened to meet ovality

and dimensional requirements of the applicable specifications. Testing, according to specifications, is then performed by either X-ray or Hydrostatic method. Final marking to size, grade & specifications is done prior to final visual inspection before despatch. Chemical, Physical and Hydrostatic Testing are done regularly right from raw material stage, in process till despatching of finished product.



Manufacturing Process



WELDED PIPES & TUBES



Welded tubes making operation are carried out on the tube mill. Cold / Hot stainless steel strip are slitted to the required width as per the diameter of tube to be formed. The strips are then feed to the uncoiler from where its passes through series of rollers & continuously formed in to a tubular shape and welded by tungsten -inert - gas (TIG) welding. It is highly precession completely automated process where the edge of script are heated and fused together under

a protect in atmosphere of argon gas through a non consumable electrode without using any filler metal. Bead crushing operation is carried out where inside bead are crushed by bead hammer unit and out side are polished by a polishing belt. After calibration to the correct size, tubes are cut online and then send to further operations like cold draw, solution annealing, finishing operations, pickling, inspections, marking and despatch.



Heat Treatment (solution annealing)

After each process of manufacturing tubes & pipes are subjected to heat treatment in a continuous annealing furnace at the specified temperatures as per grade of materials and followed by rapidly quenching as per the grade to prevent carbide formation.

Solution annealing ensure

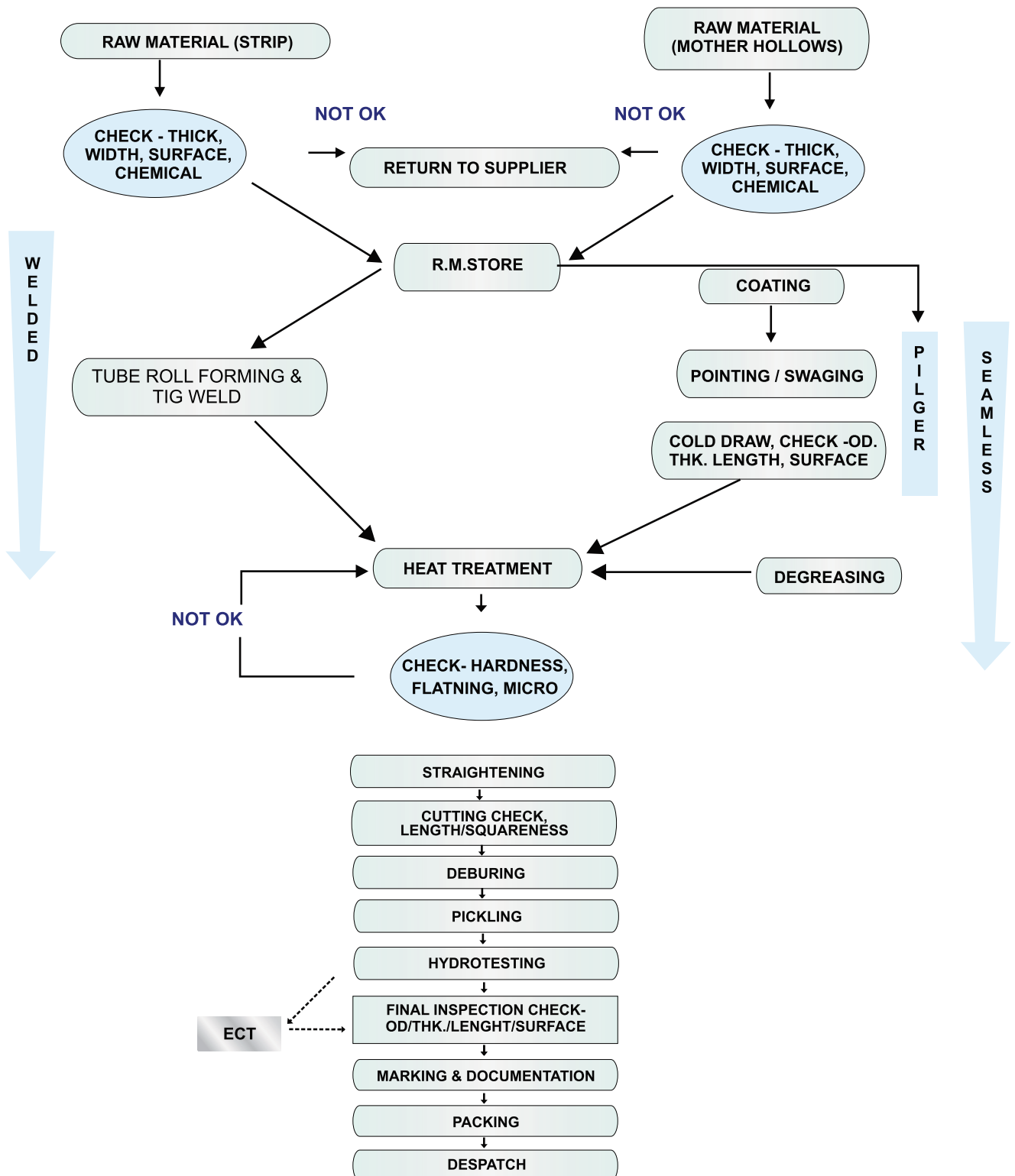
- Homogenous structure for optimum inter - granular corrosion resistance
- Removal of residual stresses developed during the cold process
- Improve ductility and softness for further process
- Transformation of weld and heat affected zone to homogenous austenitic structure.



Bright Annealing

- We have bright annealing electric furnace which is run by protective atmosphere of cracked ammonia.
- Brightness of the tubes largely depend upon atmosphere prevailing in side furnace, due point and Oxygen content.
- We have provide due point meter oxygen analyzer for measurement of dryness of crack ammonia and oxygen content.
- By bright annealing tubes get excellent finish and uniform core properties in entire tube length.

Flow Chart





Quality Policy

We are a PED Approved Company



As per our
corporate philosophy,
we will always strive:-



- To improve the internal procedure control and to strengthen the communication and management.
- Make best of our efforts to deliver high value added products to broaden the service scope.
- To promote wide variety of value added services and to make sure all the customers requirements are met on time.
- Promoting technical skill to higher level and continuously putting the concept of "Quality that inspires the customer confidence" ahead of everything.

We can also supply all the materials under third party inspection by reputed agencies like:

Toyo Eng. India Ltd.
IBR
Vaidya Eng. Services
Bureau Veritas

SGS
RITES
Chemtex
ISG Pvt. Ltd.

TUV
Bax Counsel
AKPG
Electromech Eng. Enterprise

DIS
DNV
Tata Project Limited
A-Four Associates etc.

TUBOSCOPE	SGS	VELOSI	MOODY	TCE	ABS	VETCO	

Visual & Dimensional Inspection

Visual Inspections are carried out to detect any Dents, on the surface of tube the dimension inspections are carried out with calibrated instruments.

MECHANICAL TESTING

Hardness Testing

Hardness testing is carried out to measure hardness of finish tubes & Pipes.

(a) This HRB scale, is used to determine hardness by measuring the depth to which a hardened steel ball under specific load, penetrates the material. The hardness number is indicated on a scale according to the load applied. The Load is 100 kgf and 1/16 " Ball Indenter. This is hardness Rockwell "B" Scale.

(b) Depending upon the thickness of the pipe / tube, the Hardness Scale is decided. This is called Rockwell Hardness Superficial 'T' Scale See the Table below, for Wall Thickness limitation of Superficial Hardness Test on Steel Tubular Products.



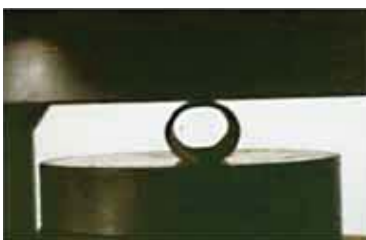
Tensile Test

This is the destructive test carried out to measure mechanical properties of finish products.



Flattening Test

This is usually applied to tube and involves flattening sample of tube between two parallel faces without showing flaws or cracks. The length of the test-piece and degree to which it is to be flattened is specified. The latter usually expressed in terms of the wall thickness and diameter of the tube / pipe.



Reverse Bending



Flaring

Intra granular structure is checked by micro test equipment and chemical testing is done by spectrograph

Visual & Dimensional Inspection

NON DESTRUCTIVE TEST



Eddy Current Testing

This involves inducing eddy currents into the material by exciting a coil which surmounts two narrow search coils surrounding the material. Any discontinuities in material are found by comparing the electrical conditions that exist in the two search coils. The fault signals are amplified and can be shown on a cathode ray tube or as an audible signal.

The standard sample is prepared from the same size, Heat No., and grade. The defect is created and can be a Notch OR Drill Hole.



Hydrostatic Test

100% Hydro test we are carried out for finish tubes & pipes to check any leakage under elevated under hydraulic water pressure as per specification and customer requirements.



Air Under Water Test

All the Pipes / Tubes are tested using Air under water.
The Air pressure is given in Table below:-

STANDARD	TYPE	PURPOSE	TEST AIR PRESSURE
A 213	Seamless	Special requirements	150 PSI
A 249	Welded	Special requirements	150 PSI
A 269	Seamless & Welded	General Purpose	150 PSI
A 312	Seamless & Welded	General Purpose	150 PSI
Din 17456	Seamless	General Purpose	6 Bar (87 PSI)
Din 17457	Welded	Special requirements	6 Bar (87 PSI)
Din 17458	Seamless	Special requirements	6 Bar (87 PSI)

COMPARISION :- A 262 & DIN 50940

Test Description	ASTM A 262	DIN 50940
Practice A	Electroetch sample at 1 A/sq.cm for 1.5 minutes and see the	
Practice C	65 ± % Nitric Acid, Five Boils, each of 48 hrs. Check weight Loss of each boil and take average of five boils.	(Strauss Test) :- same as given in ASTM A 262, Prac. C
Practice E	Copper – Copper Sulphate – 16 % Sulfuric Acid. Boil 24 hours and do	(Huey Test)

Intra granular structure is check by micro test equipment and chemical testing is done by spectrograph

S.S. Pipe Dimension

STAINLESS STEEL SCHEDULE PIPE & DIMENSION

DESIGNATION		O/D	NOMINAL WALL THICKNESS														
OF DIAMETER		DIA	SCH.5S		SCH.5		SCH.10S		SCH.10		SCH.20S		SCH.30		SCH.40S		SCH.40
(A)	(B)	METER MM	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK
6	1/8	10.3	1.0	0.23			1.2	0.27			1.5	.33			1.73	0.37	
8	1/4	13.72	1.2	0.37			1.65	0.49			2.00	.58			2.24	0.64	
10	3/8	17.2	1.2	0.47			1.65	0.63			2.00	.74			2.31	0.87	
15	1/2	21.3	1.65	0.81	1.65	0.81	2.11	1.02	2.11	1.02	2.5	1.15			2.77	1.29	
20	3/4	26.7	1.65	1.03	1.65	1.03	2.11	1.30	2.11	1.30	2.5	1.49			2.87	1.71	
25	1	33.4	1.65	1.31	1.65	1.31	2.77	2.12	2.77	2.12	3.00	2.24			3.38	2.54	
32	1-1/4	42.2	1.65	1.67	1.65	1.67	2.77	2.73	2.77	2.73	3.00	2.90			3.56	3.44	
40	1-1/2	48.3	1.65	1.93	1.65	1.93	2.77	3.15	2.77	3.15	3.00	3.35			3.68	4.11	
50	2	60.3	1.65	2.42	1.65	2.42	2.77	3.99	2.77	3.99	3.5	4.90			3.91	5.52	
65	2-1/2	73.0	2.11	3.75	2.11	3.75	3.05	5.34	3.05	5.34	3.5	6.00			5.16	8.77	
80	3	88.9	2.11	4.59	2.11	4.59	3.05	6.56	3.05	6.56	4.00	8.37			5.49	11.50	
90	3-1/2	101.6	2.11	5.25	2.11	5.25	3.05	7.53	3.05	7.53	4.00	9.62			5.74	13.78	
100	4	114.3	2.11	5.93	2.11	5.93	3.05	8.50	3.05	8.50	4.5	12.18			6.02	16.32	
125	5	141.3	2.77	9.61	2.77	9.61	3.40	11.74	3.40	11.74	5.00	16.80			6.55	22.10	
150	6	168.3	2.77	11.47	2.77	11.47	3.40	14.04	3.40	14.04	5.5	22.08			7.11	28.69	
200	8	219.1	2.77	15.00	2.77	15.00	3.76	20.27	3.76	20.27	6.35	33.82	7.04	37.38	8.18	43.20	
250	10	273.1	3.40	22.95	3.40	22.95	4.19	28.20	4.19	28.20	6.35	42.41	7.80	51.81	9.27	61.22	
300	12	323.9	3.96	31.72	4.19	33.60	4.57	36.54	4.57	36.54	6.35	50.48	8.38	66.20	9.53	75.01	10.31
350	14	355.6	3.96	34.86			4.78	41.99	6.35	55.53	7.92	68.95	9.53	82.58	9.53	82.58	11.13
400	16	406.4	4.19	42.20			4.78	48.07	6.35	63.61	7.92	79.03	9.53	94.70	9.53	94.70	12.70
450	18	457.2	4.19	47.46			4.78	54.15	6.35	71.69	7.92	89.10	11.13	124.32	9.53	106.83	14.27
500	20	508.0	4.78	60.23			5.54	69.70	6.35	79.76	9.53	118.93	12.70	157.51	9.53	118.93	15.06
550	22	558.8	4.78	65.95			5.54	76.75	6.35	87.84	9.53	131.07	12.70	173.66	9.53	131.07	15.88
600	24	609.6	5.54	83.80			6.35	95.92	6.35	95.92	9.53	143.20	14.27	212.72	9.53	143.20	17.45
650	26	660.4							7.92	129.40	12.70	205.97			9.53	155.32	
700	28	711.2							7.92	139.47	12.70	222.13	15.88	276.48	9.53	167.44	
750	30	762.0	6.35	120.15			7.92	149.55	7.92	149.55	12.70	238.28	15.88	296.68	9.53	179.56	
800	32	812.8							7.92	159.62	12.70	254.44	15.88	316.88	9.53	191.69	17.48
850	34	863.6							7.92	169.64	12.70	270.50	15.88	336.96	9.53	203.74	17.48
900	36	914.4							7.92	179.77	12.70	286.75	15.88	357.28	9.53	215.93	19.05

Wall Thickness



WALL THICKNESS & WEIGHT / METER

NOMINAL WALL THICKNESS																
	SCH 60		SCH 80 S		SCH.80		SCH.100		SCH.120		SCH.140		SCH.160		SCH.XXS	
WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR	WALL THK	WEIGHT KG/MTR
			2.41	0.47												
			3.02	0.82												
			3.20	1.12												
			3.73	1.64									4.78	1.98	7.47	2.59
			3.91	2.23									5.56	2.94	7.82	3.69
			4.55	3.29									6.35	4.30	9.09	5.53
			4.85	4.53									6.35	5.59	9.70	7.88
			5.08	5.49									7.14	7.35	10.16	9.69
			5.54	7.60									8.74	11.29	11.07	13.65
			7.01	11.60									9.53	15.15	14.02	20.72
			7.62	15.51									11.13	21.67	15.24	28.11
			8.08	18.92											16.15	34.56
			8.56	22.66					11.13	28.75			13.49	34.05	17.12	41.66
			9.53	31.44					12.70	40.90			15.88	49.87	19.05	58.31
			10.97	43.21					14.27	55.03			18.26	68.59	21.95	79.2
	10.81	53.90	12.70	65.63			15.06	76.93	18.24	91.73	20.62	102.47	23.01	112.97	22.23	108.00
	12.20	82.80	12.70	82.80	15.06	97.27	18.24	116.38	21.41	134.90	25.40	155.50	28.58	174.95	25.40	155.5
80.94	14.27	110.62	12.70	98.95	17.45	133.88	21.41	162.14	25.40	189.82	28.58	211.31	33.32	242.40	25.40	189.82
96.00	15.06	128.42	12.70	109.04	19.05	160.54	23.80	197.74	27.76	227.88	31.75	257.47	35.71	286.04		
125.20	16.66	162.59	12.70	125.20	21.41	206.40	26.19	249.34	30.94	290.88	36.53	338.32	40.46	370.74		
158.27	19.05	209.00	12.70	141.35	23.80	258.29	29.36	314.54	34.93	369.34	39.67	414.74	45.24	466.67		
185.89	20.62	251.65	12.70	157.51	26.19	315.97	32.54	387.41	38.10	448.30	44.45	515.94	49.99	573.31		
216.04	22.23	298.55	12.70	173.66	28.57	379.70	34.92	457.83	41.27	535.17	47.62	609.30	53.97	682.57		
258.74	24.59	360.21	12.70	189.82	30.94	448.30	38.89	555.76	46.02	649.44	52.37	730.72	59.51	819.70		
			12.70	205.97	24.66D-t) t 1000 Wt/pam + formula Weight stainless steel pipe OD (mm) - W.T. (mm) XW.T. (mm) X 0.02466 = Kg. per mtr.											
			12.70	222.13												
			1270	238.28												
348.11			12.70	254.44												
370.22			12.70	270.50												
427.09			12.70	286.75												

BWG & SWG



BWG AND SWG DIMENSIONS AND WEIGHTS

For Stainless steel only BWG (Birmingham wire gauge)									
Wall thickness									
BWG		22	20	18	16	14	12	11	10
mm		0.711	0.889	1.245	1.651	2.108	2.769	3.048	3.404
outside diameter									
1/4"	6.350		0.122	0.159	0.194				
5/16"	7.950		0.157	0.209	0.260				
3/8"	9.525		0.192	0.258	0.326	0.392			
1/2"	12.700	0.213	0.263	0.357	0.457	0.559	0.688	0.737	
5/8"	15.875	0.270	0.334	0.456	0.588	0.727	0.908	0.979	
3/4"	19.050		0.404	0.555	0.719	0.894	1.130	1.220	1.330
7/8"	22.225	0.383	0.475	0.654	0.851	1.060	1.350	1.460	1.600
1"	25.400	0.440	0.546	0.752	0.982	1.230	1.570	1.710	1.870
1 1/4"	31.750	0.553	0.687	0.950	1.240	1.570	2.010	2.190	2.420
1 1/2"	38.100	0.666	0.828	1.150	1.150	1.900	2.450	2.680	2.960
1 3/4"	44.450	0.779	0.970	1.350	1.770	2.240	2.890	3.160	3.500
2"	50.800	0.892	1.110	1.540	2.030	2.570	3.330	3.650	4.040
2 1/2"	63.500			1.940	2.560	3.240	4.210	4.610	5.120
SWG (Standard wire gauge)									
Wall thickness									
BWG		22	20	18	16	14	12	11	10
mm		0.711	0.914	1.219	1.626	2.032	2.642	2.946	3.251
outside diameter									
1/4"	6.350		0.124	0.157	0.192				
5/16"	7.950		0.161	0.205	0.257				
3/8"	9.525		0.197	0.253	0.321	0.381			
1/2"	12.700	0.213	0.270	0.350	0.451	0.543	0.665	0.720	
5/8"	15.875	0.270	0.342	0.447	0.580	0.704	0.875	0.954	
3/4"	19.050		0.415	0.544	0.709	0.866	1.090	1.190	1.290
7/8"	22.225	0.383	0.488	0.641	0.838	1.030	1.300	1.420	1.550
1"	25.400	0.440	0.560	0.738	0.967	1.190	1.510	1.660	1.800
1 1/4"	31.750	0.553	0.706	0.931	1.230	1.510	2.930	2.130	2.320
1 1/2"	38.100	0.666	0.851	1.130	1.480	1.840	2.350	2.590	2.840
1 3/4"	44.450	0.779	0.969	1.320	1.740	2.160	2.770	3.060	3.350
2"	50.800	0.892	1.140	1.54010	2.000	2.480	3.190	3.530	3.870
2 1/2"	63.500			1.900	2.520	3.130	4.030	4.470	4.910

Chemical Composition



CHEMICAL COMPOSITION & MECHANICAL PROPERTIES OF STAINLESS STEEL

CHEMICAL ANALYSIS										MECHANICAL PROPERTIES			
										tensile Strength	yield strength	elongation %	Hardness
Grade	C% Max	Si 5 Max	Mn% Max	P % Max	S%	Ni%	Cr%	Mo%	Other	Min.Ksi (Mpa)	Min. ksi (*Mpa)	GL:50mm MIN	HRB Max
TP304	0.08	1.00	2.00	0.045	0.030	8.0-11.0	18.0-20.0	-	-	75(515)	30(205)	35	90
TP304L	0.04-0.10	1.00	2.00	0.045	0.030	8.0-11.0	18.0-20.0	-	-	75(515)	30(205)	35	90
TP304L	0.035	1.00	2.00	0.045	0.030	8.0-12.0	18.0-20.0	-	-	70(485)	25(170)	35	90
TP316	0.08	1.00	2.00	0.045	0.030	10.0-14.0	16.0-18.0	2.0-3.0	-	75(515)	30(205)	35	90
TP316H	0.04-0.10	1.00	2.00	0.045	0.030	11.0-14.0	16.0-18.0	2.0-3.0	-	75(515)	30(205)	35	90
TP316L	0.035	1.00	2.00	0.045	0.030	10.0-14.0	16.0-18.0	2.0-3.0	-	70(485)	25(170)	35	90
TP309	0.08	1.00	2.00	0.045	0.030	12.0-15.0	20.0-24.0	-	-	75(515)	30(205)	35	90
TP310	0.08	1.00	2.00	0.045	0.030	19.0-22.0	24.0-26.0	-	-	75(515)	30(205)	35	90
TP317	0.08	1.00	2.00	0.045	0.030	11.0-15.0	18.0-20.0	3.0-4.0	-	75(515)	30(205)	34	90
TP321	0.08	1.00	2.00	0.045	0.030	9.0-12.0	17.0-19.0	-	Ti(C+N)-0.70	75(515)	30(205)	35	90
TP347	0.08	1.00	2.00	0.045	0.030	9.0-13.0	17.0-20.0	-	Nb:10(C)-1.0	75(515)	30(205)	35	90
TP409	0.08	1.00	1.00	0.045	0.030	0.50MAX	10.5-11.75	-	Ti:6(C)-0.75	55(380)	30(205)	20	95
TP410	0.15	1.00	1.00	0.040	0.030	0.50MAX	11.5-13.50	-	-	60(415)	30(205)	20	95
TP430	0.12	1.00	1.00	0.040	0.030	0.50MAX	4.0-18.0	-	-	60(415)	35(240)	20	90
DIN1.4571	0.08	1.00	2.00	0.045	0.030	10.5-13.5	16.5-18.5	2.0-2.5	Ti:5(C)-0.08	75(515)	30(205)	35	90

ASTM Standards

ASTM STANDARDS FOR STAINLESS STEEL SEAMLESS, WELDED TUBES & PIPES

Specification	Allowable Outside Diameter variation in mm			Allowable Wall Thickness variations		Exact Length Tolerances in mm		Testing
	Nominal Diameter	Over	Under	Over %	Under %	Over	Under	
ASTM A-213 Seamless Boiler, Superheater and Heat Exchanger Tubes	Under 25.4 25.4- 38.1 incl. 38.1- 50.8 excl. 50.8- 63.5 incl. 63.5- 76.2 excl. 76.2- 101.6 incl.	.1016 .1524 .2032 .254 .3048 .381	.1016 .1524 .2032 .254 .3048 .381	+20 +20 +22 +22 +22 +22	-0 -0 -0 -0 -0 -0	3.175 3.175 3.176 3.76 4.76 4.76	0 0 0 0 0 0	Tension Test Flattening Test Flare Test Hardness Test 100% Hydrostatic Test refer to ASTM A-450
ASTM A-249 Welded Boiler, Superheater, Heat Exchanger Tubes Condenser Tybes	Under25.4 25.4- 38.1 incl. 38.1- 50.8 excl. 50.8- 63.5 excl. 63.5- 76.2 excl. 76.2- 101.6 incl.	.1016 .1524 .2032 .254 .3048 .381	.1016 .1524 .2032 2.54 .3048 .381	+10 +10 +10 +10 +10 +10	-10 -10 -10 -10 -10 -10	3.175 3.175 3.175 4.76 4.76 4.76	0 0 0 0 0 0	Tension Test Flattening Test Flare Test *Reverse Bend Test Hardness Test 100% Hydrostatic Test * Reverse Flattening Test * Wherever application
Refer to ASTM A-450				Minimum wall tubes +18% -0 available on request				
ASTM A-269 Seamless & Welded Tubing for General Service	Upto12.7 12.7 - 38.1 excl. 38.1 - 88.9 excl. 88.9 - 139.7excl. 139.7- 203.2 excl.	.13 .13 .25 .38 .76	.13 .13 .25 .38 .76	+15 +10 +10 +10 +10	-15 -10 -10 -10 -10	3.2 3.2 4.8 4.8 4.8	0 0 0 0 0	Flare Test Flange Test (welded only) Hardness test reverse flattening Test (Welded Only) 100% Hydrostatic Test Refer to ASTM A -269
ASTM A-270 Seamless & Welded Sanitary Tubing	25.4 38.1 50.8 63.5 76.2 101.6	.05 .05 .05 .05 .08 .08	.20 .20 .28 .28 .30 .38	+12.5 +12.5 +12.5 +12.3 +12.5 +12.5	-12.5 -12.5 -12.5 -12.5 -12.5 -12.5	3.2 3.2 3.2 3.2 3.2 3.2	0 0 0 0 0 0	Rreverse Flattening Test 100% Hydrostatic Test External polish on all tubes Refer to ASTM A-270
ASTM A-312 Seamless & Welded Pipe	13.7- 48.3 incl. 48.3-114.3 incl. 114.3 -	.4 .8 1.6	.8 .8 .8	minimum Wall 12.5% Under nominal wall Specified		6.4 6.4 (Normally random lengths ordered)	6.4 6.4 0	0Tension Test 0Flattening test 100% Hydrostatic Test refer to ASTM A-530
ASTM A-268 Seamless & Welded Ferric Stainless Steel tubes	Under 12.7 12.7- 38.1 excl. 38.1- 88.9 excl. 88.9 -168.3 excl.	.13 .13 .25 .38	.13 .13 .25 .38	+15 +15 +10 +10	-15 -15 -10 -10	3.2 3.2 4.8 4.8	0 0 0 0	Tension Test, Flare test, Flange test, (ERW only) hardness test, reverse, flattening test, 100% hydrostatic test
ASTM A-358 for welded big Diameter pipes	For all sizes	+0.5%	-0.5%	No limit	-0.3 m m	Customer' s Specification		Transverse tension test, Transverse guided bend test hydrostatic test radiographic examination (as specified) dye penetrant (optional)
ASTM A-688 for welded Feed water heater 'U' Tubes	Under 25.4 mm	.1016	.1016	+20 +10	-0(for Min Wall thk) -10 (For Avg. Wall thk)		3 to 13	0Tension, hardness corrosion, Reversebend, Flange, Flattening, Hydro-static Test, Pneumatic Test Non destuctive Test.

Carbon Steel / Alloy Steel

CARBON STEEL / ALLOY STEEL, SEAMLESS PIPES & TUBES

Size	Condition : Heat Treated, Hard Drawn, Stress Relived
Output Diameter : 6.00mm to 219.9mm	Standards : ASTM A53, A106, A-179, A-192, A-210, A-213, A-333, ASTM A 334, A-335, BS-3059, BS-6323, DIN-17175, DIN-2391
Wall Thickness : 0.7mm to 12mm	
Length : Random Length 4-7 MTR Fixed Length max 30 MTR We also produce "U" tube in radius 1.5 D to 2 MTR - as per customer requirement.	

Standard	Size Range OC	OD Tolerance	W.T. Tolerance	Fixed Length Tolerance
ASTM A 106 Pipes for high temperature service	1/8"-1-1/2"NB incl. 1-1/2"-4"NB incl. 4"-8" NB incl.	+/-0.40mm +/-0.80mm +1.60/-0.80mm	-12.5% (Weight tolerance +10%, -3.5%)	+/-5%
ASTM A 179 Seamless low carbon H.E & Condenser Pipes ASTM A19250.8-63.5 mm incl. Seamless carbon Steel Boiler Tubes ASTM A 210 Seamless Medium Carbon Steel Boiler & H.E Tubes	Upto 25.4 mm 25.40-38.10mm incl. 38.10-50.8 mm incl. +/-0.25mm 63.5-76.0 mm incl. 76.2-101.6 mm incl. 101.6-190.5mm incl.	+/-0.10mm +/-0.15mm +/-0.20mm +22/-0% +/-0.30mm +/-0.38mm +0.38/-0.64mm	+20/-0% +20/-0% +22/-0% +5/-0mm +22/-0% +22/-0% +22/-0%	+3/-0mm +3/-0mm +3/-0mm +5/-0mm +5/-0mm +5/-0mm
BS 3059 Steel Boiler & Super Heater Tubes	Part I CF Part II S1 Part II S2	+/-0.5%min ≥ +/-0.10mm +/-0.75% min ≥ +/-0.30mm	+/-7.50% +/-10%	+3.0/-mm Up to 6Mtr.
DIN 2391 Seamless & Precision Steel Tubes 39.98-50.01mm	Upto 29.97mm 29.97-40.64mm +/-0.20mm 50.01-60.00mm	+/-0.076mm +/-0.152 mm +/-10% +/-0.249mm	+/-10% +/-10% +/-10%	
BS 6323 (Part4) Seamless Tubes for automobile, mechanical & general engg. purpose	Upto 30mm 31-50mm 51-70mm 71-90mm 91-1100mm 111-130mm 131-160mm	+/-0.10mm +/-0.15mm +/-0.20mm +/-0.25mm +/-0.30mm +/-0.35mm +/-0.45mm	+/-10% (min +/-0.10mm)	+2/-0mm (upto 500mm) +3/-0mm (500-2000mm) +5/-0mm (2001-5000mm) +10/-0mm (5001-10000mm)

Standard	Product	Tensile	Flattening/	Flaring	Hardness	Hydrostatic	Non Destructive Electric Test
ASTM A 106							On request
ASTM A179							On request
ASTM A 192							On request
ASTM A 210							On request
ASTM A 333							On request
ASTM A 334							On request
BS 3059							On request
DIN 2391							On request
BS 6323						On request	On request

C.S. & A.S. Pipe Dimension

CARBON / ALLOY STEEL SEAMLESS PIPE DIMENSION & WEGHT- Kg./Mtr. (ANSI B 36.10)

Nominal Pipe size		O/D	Schedule 10		Schedule 20		Schedule 30		Schedule STD		Schedule 40		Schedule 60		Schedule Extra Strong (XS)		Schedule 80		Schedule 100		Schedule 120		Schedule 140		Schedule 160		Schedule Double Extra Strong(XXS)		
mm	inch	mm	mm	kg/m	mm	kg/m	mm	kg/m	wall	wt.	wall	wt.	wall	wt.	wall	wt.	wall	wt.	wall	wt.	wall	wt.	wall	wt.	wall	wt.	wall	wt.	
3	1/8	10.3							1.73	0.37	1.73	0.37			2.41	0.47	2.41	0.47											
6	1/4	13.7							2.24	0.63	2.24	0.63			3.02	0.80	3.02	0.80											
10	3/8	17.1							2.31	0.84	2.31	0.84			3.20	1.10	3.20	1.10											
15	1/2	21.3							2.77	1.27	2.77	1.27			3.73	1.62	3.73	1.62								4.78	1.95	7.5	2.55
20	3/4	26.7							2.87	1.69	2.87	1.69			3.91	2.20	3.91	2.20								5.6	2.90	7.82	3.64
25	1	33.4							3.38	2.50	3.38	2.50			4.55	3.24	4.55	3.24								6.35	4.24	9.1	5.45
32	1¼	42.2							3.56	3.39	3.56	3.39			4.85	4.47	4.85	4.47								6.35	5.61	9.7	7.77
40	1½	48.3							3.68	4.05	3.68	4.05			5.08	5.41	5.08	5.41								7.14	7.25	10.2	9.56
50	2	60.3							3.91	5.44	3.91	5.44			5.54	7.48	5.54	7.48								8.74	11.11	11.07	13.4
65	2½	73.0							5.16	8.63	5.16	8.63			7.01	11.41	7.01	11.41								9.53	14.92	14.0	20.4
80	3	88.9							5.49	11.3	5.49	11.3			7.62	15.27	7.62	15.3								11.13	21.35	15.24	27.7
90	3½	101.6							5.74	13.57	5.74	13.57			8.08	18.63	8.08	18.63										16.2	34.1
100	4	114.3							6.02	16.07	6.02	16.07			8.56	22.3	8.56	22.3			11.13	28.32				13.5	33.5	17.12	41.03
125	5	141.3							6.55	21.77	6.55	21.77			9.53	30.9	9.53	30.9			12.7	40.2				15.9	49.11	19.0	57.4
150	6	168.3							7.11	28.26	7.11	28.26			10.97	42.5	10.97	42.5			14.3	54.2				18.3	67.5	21.95	79.22
200	8	219.1			6.35	33.3	7.0	36.8	8.18	42.5	8.18	42.55	10.31	53.10	12.7	64.6	12.7	64.5	15.1	75.92	18.3	90.4	20.6	100.9	23.0	111.27	22.23	108.0	
250	10	273.0			6.35	41.7	7.8	51.3	9.27	60.3	9.27	60.31	12.70	81.50	12.7	81.5	15.1	96.0	18.3	114.7	21.44	133.0	25.4	155	28.6	172.3	25.4	155.0	
300	12	323.9			6.35	49.7	8.4	65.2	9.53	73.8	10.31	79.73	14.30	109.0	12.7	97.4	17.5	132.0	21.4	160.0	25.4	187.0	28.6	208	33.3	238.7	25.4	187.0	
350	14	355.6	6.35	54.6	7.92	67.9	9.53	81.3	9.53	81.3	11.13	94.55	15.10	126.4	12.7	107.4	19.0	158.0	23.8	195.0	27.8	224.0	31.8	253.5	35.7	281.7			
400	16	406.4	6.35	62.6	7.92	77.9	9.53	93.3	9.53	93.3	12.7	123.3	16.70	160.0	12.7	123.3	21.44	203.5	26.2	245.5	30.9	286.6	36.53	333	40.5	365.4			
450	18	457.0	6.35	70.5	7.92	87.7	11.13	122.4	9.53	105.0	14.27	156.0	19.05	206.0	12.7	139.0	23.8	254.6	29.36	309.6	34.9	363.6	39.7	408.3	45.2	459.4			
500	20	508.0	6.35	78.5	9.53	117.2	12.7	155.1	9.53	117.2	15.09	183.4	20.62	248.5	12.7	155.1	26.2	311.2	32.54	381.5	38.1	441.5	44.4	508	50.0	564.8			
550	22	559.0	6.35	86.5	9.53	129.0	12.7	171.0	9.53	129.0			22.20	294.0	12.7	171.0	28.6	373.8	34.9	451.4	41.3	527.0	47.6	600	54.0	672.0			
600	24	610.0	6.35	94.5	9.53	141.0	14.3	209.7	9.53	141.0	17.48	255.4	24.61	355.0	12.7	187.0	30.96	442.08	38.89	547.7	46.0	640.0	52.4	720.15	59.5	808.22			
650	26	660.0	7.92	127.0	12.7	203.0			9.53	153.0					12.7	202.7													
700	28	711.0	7.92	137.4	12.7	218.7	15.88	271.2	9.53	165.0					12.7	218.7													
750	30	762.0	7.92	147.3	12.7	234.6	15.88	292.18	9.53	176.8					12.7	234.7													
800	32	813.0	7.92	157.0	12.7	250.6	15.88	312.0	9.53	188.2	17.48	342.9			12.7	250.6													
850	34	864.0	7.92	167.0	12.7	266.6	15.88	332.1	9.53	200.3	17.48	364.9			12.7	266.6													
900	36	914.4	7.92	176.9	12.7	282.3	15.88	351.7	9.53	212.5	19.05	420.4			12.7	282.2													

A 106 Gr B ()

API - 5L - Gr B ()

A 333 Gr 6 ()

A 335 P 5 ()

C.S. & A.S. Properties

CARBON STEEL, ALLOY STEEL, PIPE & TUBE SPECIFICATION

CHEMICAL									MECHANICAL PROPERTIES			SPECIFIC REQUIREMENT
SPECIFICATION	WT	C%	Mn %	P % MAX	S% MAX	Si%	Cr%	Mo%	TENSILE STRENGTH Mpa	YIELD STRESS Mpa	ELONGA-TION 50mm MIN Longitudinal	
ASTM A53/A	AW	0.25MAX	0.95MAX	0.050	0.045	-	-	-	330MIN	205MIN	36	Cr Mo Cu Ni V a 40 15 40 40 08 Five elements not to exceed 1%
ASTM A53/B	AW	0.30MAX	1.20MAX	0.050	0.045	-	-	-	415MIN	240MIN	29/5	
ASTM A 106/A	AW	0.25MAX	0.27-0.93	0.035	0.025	0.10MIN	0.40MAX	0.15MAX	330MIN	205MIN	35/2	
ASTM A 106/B	AW	0.35MAX	0.29-1.06	0.035	0.035	0.10MIN	0.40MAX	0.15MAX	415 MIN	240MIN	30/22	
ASTM A 106/C	AW	0.35MAX	0.29-1.06	0.035	0.035	0.10MIN	0.40MAX	0.15MAX	485MIN	275MIN	30/22	
ASTM A179	MW	0.06-018	0.27-0.63	0.035	0.035	-	-	-	325MIN	180MIN	35.0	Hardness 72 HRB Max Hardness 72 HRB Max Hardness 77 HRB Max Hardness 80 HRB Max Hardness 81 HRB Max Hardness 77 HRB Max Hardness 79 HRB Max Hardness 89 HRB Max
ASTMA214	MW	0.18MAX	0.27-0.63	0.035	0.035	-	-	-	385MIN	180MIN	35.0	
ASTM A192	MW	0.06-0.18	0.27-0.63	0.035	0.035	0.25MAX	-	-	325MIN	180MIN	35.0	
ASTM a209/T1	MW	0.10-0.20	0.30-0.80	0.025	0.025	0.10-0.50	-	0.44-0.65	380MIN	205MIN	30/22	
ASTM A209/T1a	MW	0.15-0.25	0.30-0.80	0.025	0.025	0.10-0.50	-	0.44-0.65	365MIN	195MIN	30/22	
ASTM A209/T1b	MW	0.14MAX	0.30-0.80	0.025	0.025	0.10MIN	-	0.44-0.65	415MIN	220MIN	30/22	
ASTM A210/A-1	MW	0.27max	0.93max	0.035	0.035	0.10min	-	-	415MIN	255MIN	30/22	
ASTMA210/C	MW	0.35MAX	0.23-1.06	0.035	0.035	0.10MIN	-	-	485MIN	275MIN	30/22	
ASTM A213/T2	MW	0.10/0.20	0.30-0.61	0.025	0.025	0.10-0.30	0.50-0.81	0.44-0.65	415MIN	205MIN	30/22	Hardness 85 HRB Max
ASTM A213/T5	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	4.00-6.00	0.44-0.65	415MIN	205MIN	30/22	Hardness 85 HRB Max
ASTM A213/T11	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	1.00-1.50	0.44-0.65	415MIN	205MIN	30/22	Hardness 85 HRB Max
ASTM A213/T12	0.05	0.15MAX	0.30-0.61	0.025	0.025	0.50MAX	0.80-1.25	0.44-0.65	415MIN	220MIN	30/22	Hardness 85 HRB Max
ASTM A213/T22	0.05	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	1.90-2.60	0.87-1.13	415MIN	205MIN	30/22	Hardness 85 HRB Max
ASTM A333/3	AW	0.19MAX	0.31-0.64	0.025	0.025	0.18-0.37	Ni	3.18-3.82	380MIN	205MIN	35/25	IMPACT AS -50f FOR 40X10/18/1490 HRB MAX 50 f 40X10/18/14
ASTM A333/6	AW	0.30MAX	0.29-1.06	0.025	0.025	0.10MIN	--	-	415MIN	240MIN	30/22	
ASTM A334/3	AW	0.19MAX	0.31-0.64	0.025	0.025	0.18-0.37	Ni	3.18-3.82	380MIN	205MIN	35/28	
ASTM A334/6	MW	0.30MAX	0.9-1.06	0.025	0.025	0.10MIN	-	-	415MIN	240MIN	30/22	
ASTM A335/P1	AW	0.10-0.20	0.30-0.80	0.025	0.025	0.10-0.50-	-	0.40-0.65	380MIN	205MIN	30/22	
ASTM A335/P2	AW	0.10-0.20	0.30-0.61	0.025	0.025	0.10-0.30	0.50-0.81	0.40-0.65	380MIN	205MIN	30/22	
ASTM A335/P5	AW	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	4.00-6.00	0.40-0.65	415MIN	205MIN	30/22	
ASTM A335/P11	0.05	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	0.40-0.65	415MIN	205MIN	30/22	
ASTM A335/P12	0.05	0.15MAX	0.30-0.61	0.025	0.025	0.50MAX	0.80-1.25	0.40-0.65	415MIN	205MIN	50/22	
ASTM A335/P22	0.05	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	1.90-2.60	0.87-1.13	415MIN	205MIN	30/22	
BS/3059/1/33		0.15Max	0.30-0.70	0.050	0.050	-	-	-	324-441	186MIN	25	
BS/3059/2/33		0.15MAX	0.400.70	0.050	0.050	0.10-0.35	-	-	324-441	186MIN	21	
BS/3059/245		0.120.18	0.90-1.20	0.035	0.035	0.10-0.35	-	-	441-560	245MIN	22	
BS/3059/2/620		0.10-0.15	0.40-0.70	0.040	0.040	0.10-0.35	0.70-1.10	0.45-0.65	441-618	235MIN	22	
DIN/17175/ST35.8		0.17MAX	0.40MIN	0.040	0.040	0.35MAX	-	-	340-441	235MIN	25	
DIN/17175/ST45.8		0.22MAX	0.45MIN	0.040	0.040	0.10-0.35	-	-	441-540	255 MIN	25	
DIN/17175/15MO3		0.12-0.20	0.50-0.80	0.040	0.040	0.10-0.35	-	0.250-0.35	441-540	284MIN	21	
DIN/17175/13CrMo44		0.10-0.18	0.40-0.60	0.040	0.040	0.15-0.35	0.70-1.60	0.40-0.50	441-570	294MIN	22	
DIN/17175/10CrM910		0.15MAX	0.40-0.60	0.040	0.040	0.15-0.50	2.0-2.5	0.9-1.10	441-570	249MIN	22	
ASTM A199/T5	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	4.00-6.00	0.45-0.65	415MIN	170MIN	30/22	HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX HARDNESS 85 HRB MAX
ASTM A199/T1	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	0.44-0.65	415MIN	170MIN	30/22	
ASTM A199/T22	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50MAX	1.90-2.60	0.87-1.13	415MIN	170MIN	30/22	
ASTM A199/T4	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	2.15-2.85	0.44-0.65	415MIN	170MIN	30/22	
ASTM A199/T7	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	6.00-8.00	0.45-0.65	415MIN	170MIN	30/22	
ASTM A199/T5	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50MAX	4.00-6.00	0.45-0.65	415MIN	170MIN	30/22	
ASTM A199/T11	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	0.44-0.65	415MIN	170MIN	30/22	
ASTMA199/T22	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50MAX	1.90-2.60	0.87-1.13	415MIN	170MIN	30/22	
ASTM A199/T4	MW	0.05-0.15	0.30-0.60	0.025	0.025	0.50-1.00	2.15-2.852	0.44-0.85	415MIN	170MIN	30/22	
ASTM A199/T7	MW	0.15MAX	0.30-0.60	0.025	0.025	0.50-1.00	6.00-8.00	0.45-0.65	415MIN	170MIN	30/22	
ASTM A199/T9	MW	0.15MAX	0.30-0.60	0.025	0.025	0.25-1.00	8.00-10.00	0.90-1.10	415MIN	170MIN	30/22	
ASTM A199/T9	MW	0.15MAX	0.30-0.60	0.025	0.025	0.25-1.00	8.00-10.00	0.90-1.10	415MIN	170MIN	30/22	
ASTM A199/T9	MW	0.15MAX	0.30-0.60	0.025	0.025	0.25-1.00	8.00-10.00	0.90-1.10	415MIN	170MIN	30/22	
ASTM A335/P9	MW	0.15MAX	0.30-0.60	0.025	0.025	0.25-1.00	8.00-10.00	0.09-1.10	415MIN	172MIN	30/22	
ASTM A178A	MW	0.06-0.18	0.30-0.60	0.035	0.035	-	-	-	325MIN	180MIN	35	
ASTM A178C	MW	0.35 MAX	0.27-0.63	0.035	0.035	-	-	-	415MIN	170MIN	30	
ASTM A178B	MW	0.27MAX	0.80 MAX	0.030	0.015	0.10MIN	-	-	485MIN	275MIN	30	

Clientele

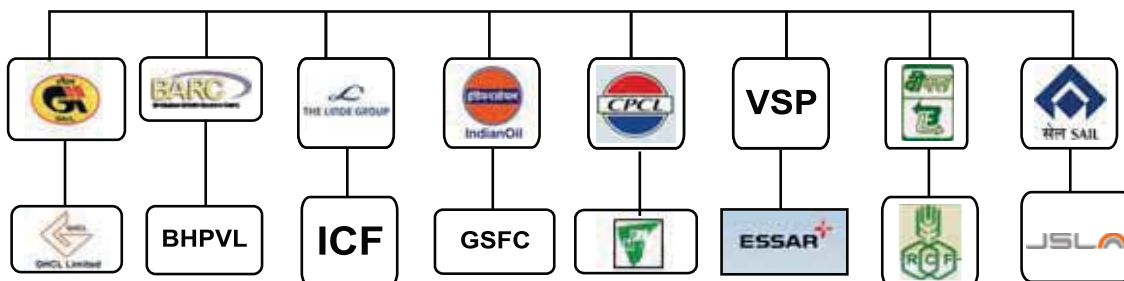
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- Oil & Gas Industries
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- Thermal & Captive Power Plant
- Textile Industries



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Plant

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Performance List

Sr. No.	Client / Project Site	Contact person & Details	Site Location	PO No. & Date	Item Description / Technical Parameters, Size / Rating, Material Specifications	Value(in USD)	Inspection Authority	Contractual Delivery Date
1	Department of Atomic Energy	Mr. Balachander K.	Kalpakkam	MRPU/NRPP/PPF/2721/PO/1149 Dt.:28/04/2011	SS304L 40 mm NB, SCH 40S TIG WELDED PIPES	2.1 Million	DOAE authorized inspector	120 Days
2	Gail(India) Limited	V. SRINIVASULU	Petrochemical Complex, Pata, Distt. Auraiya - 206 241, Uttar Pradesh(India)	GAIL/PA09/10059-MR001AD/63 Dt.:22/12/2009	Carbon Steel Seamless Pipes	0.7 Million	SWRL/IBR/TPI	145 Days
3	Gail(India) Limited	V. SRINIVASULU	Petrochemical Complex, Pata, Distt. Auraiya - 206 241, Uttar Pradesh(India)	GAIL/PA09/10059-MR001BA/59 Dt.:22/12/2009	Seamless Alloy Steel Pipes	0.4 Million	SWRL/IBR/TPI	110 Days
4	Indian Oil Corporation Limited	Mr. Samridha Das	9040, Haldia Refinery	RHRM9R8067/23108612 Dt. 09.03.2010	Seamless Carbon Steel Pipe ASTM A106 Gr. B Plain Ends	0.9 Million	ABS	05.09.2010
5	Hindustan Zinc Ltd.	Anamika Chandaliya	Zinc Plant, Dariba Smelter Complex Rajpura Dariba Mines Dist, Rajsamand (Raj) Pin no - 313211	DS-09-143/4100043599 Dt.11.03.2010	S S Pipes, S S Bends, S S Elbow, Flanges, S S Stub End Pipe Butt-Weld, Matalic Plate	2.65 Million	By Self At Chanderiya Lead-Zinc Smelter,Chittor	160 Days
6	Madras Fertilizers Limited	Mr. Jamdar	MFL TPR.GDN.Chennai	WK622308 Dt. 30.11.2009	Pipe Carbon Steel Seamless A106 Gr.B ANSI DIM B36.10 Bevelled Ends Sch 40 Size 2 inch Sch 40 Size 3 Inch	0.65 Million	MFR	90 Days
7	Brahmaputra Valley Fertilizer Corporation Limited	S.D. Singh	Namrup	AN/2008/66A-1647/8114/MM Dt. 8/1/2010	Seamless Carbon Steel Tube, S S Tube	1.2 Million	IRIs	90 -120 Days
8	Indian Oil Corporation Limited	Shri R Venkatesh SMTD,	9050 Mathura Refinery	23415032 Dt.:15/07/2011	Carbon Steel Seamless Pipes	4.6 Million		15 weeks from PO.
9	Shree Ganesh Process Equipments Pvt. Ltd		Plot No. F-82/83, Behind ASB International, M.I.D.C., Addl. Ambernath-421 506 Thane Maharashtra India	SGPE/10-11/696 Dt.:14.03.11	CS Seamless/SS Smls	0.04 Million	Self	8 Weeks
10	Imperial Auto Industries Ltd.	Purchase Section Head	Plot No. 83, Sector-25 Faridabad(Haryana)	11/04FR/03/00002 Dt.:05/04/2011	S S Seamless (316L)	4.3 Million	Self	8 - 12 Weeks

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Sr. No.	Client / Project Site	Contact person & Details	Site Location	PO No. & Date	Item Description / Technical Parameters, Size / Rating, Material Specifications	Value(in USD)	Inspection Authority	Contractual Delivery Date
11	Rashtriya Chemicals & Fertilizers Limited	General Manager (Projects)	Administrative Building Thal, Alibag 402208 Maharashtra India	4500023838 Dt.:11.03.2011	CS/AS Seamless Pipe	1.5 Million	PDIL	8 - 12 Weeks
12	Rail Wheel Factory	DY. Chief Material Manager	Yelahanka Bangalore - Karnataka 560106	201013239 Dt.:28/01/2011	Stainless Steel Tube, Plain Ends, ERW Quality Size: 40mm NB OD 47.9 to 48.8mm Thk 3.6mm 4 to 7 Mtr. L AISI 304	7.5 Million	Self	8 - 24 Weeks
13	Johnson Screen (India) Private Limited		Block No. 53/ P, Near Khatraj Char Rasta, Tal. Kalol, Gandhinagar, Gujarat - 382 721 (India)	JSI/10-11/GN/002038 Dt.:23/02/2011	SS304 ERW Pipe 3"X5.5Th.Sch-40	2.35 Million	SLS	12 - 16 Weeks
14	Gujarat State Electricity Corporation Limited		Taluka: Lakhpat, District, Gujarat-370601	KLTPS/TECH/BMD/M-54/10 Dt.14/12/2010	Boiler Tube	1.75 Million	BSS/ISS	8 - 12 Weeks
15	GHCL LIMITED	Gopal Saini	Works:Sutrapada, Near Veraval Junagadh Dist. - 362275 Gujarat India	4520002804 Dt.:10/09/2010	SS Seamless Tube 12mm X 1.65mm Thk	0.45 Million	At Self Works	8 - 10 Weeks
16	GHCL LIMITED	Gopal Saini	Works:Sutrapada, Near Veraval Junagadh Dist. - 362275 Gujarat India	4520001863 Dt.:10/06/2010	SS 304 ERW PIPE 50 MM X SCH10 Plain Ends	0.74 Million	At Self Works	6 - 8 Weeks
17	Southern Construction Co. Fabricators & Erectors	P. Chandra baba	G-1 Block Nirode Appartments, L, Road (Beside Raymond's show room) P.O - Bisturpur, Jamshedpur-831001	SCC/CDQ/CW/01/09 Dt:20/07/2009	Dn 150 NB SS Pipe Sch 40, Gr ASTM 312, TP 304 DN 150 NB X 90 deg Bend, Sch 40 Grade - 304	2.2 Million	Themselves	8 Weeks
18	Hi-Tech Engineering Corporation India Pvt. Ltd.	Mr. Jayant Sir	Ethiopia	HEC/Ethiopia/495/09-10 Dt.: 03/08/09	Tube (SS 304) OD45X1.22 ThkX5000 Tube (SS 304) OD45X1.22 Thk.X3000	0.14 Million	Hi-Tech Engg. Themselves on their works	5 - 6 Weeks
19	Hi-Tech Engineering Corporation India Pvt. Ltd.	Mr. Jayant Sir	Ethiopia	HEC/Ethiopia/649/09-10 Dt.: 05/09/09	Tube (SS 304) OD45X1.22 ThkX5000 Tube (SS 304) OD45X1.22 Thk.X3000	0.17 Million	Hi-Tech Engg. Themselves on their works	8 Weeks

Performance List

Sr. No.	Client / Project Site	Contact person & Details	Site Location	PO No. & Date	Item Description / Technical Parameters, Size / Rating, Material Specifications	Value(in USD)	Inspection Authority	Contractual Delivery Date
22	ETA Engineering Private Limited	Mr. S Gehlaut	IGI, Airport Opp. Haj Terminal Nera Intl Cargo, New Delhi 110037	N295/322 Dt.:27/04/2009	SS Pipe TP-316 Sch-10 80mm,100mm,200mm,250mm,350m m OD	1.96 Million	SLS	8 Weeks
23	ETA Engineering Private Limited	Mr. S Gehlaut	IGI, Airport Opp. Haj Terminal Nera Intl Cargo, New Delhi 110037	N304/845 Dt.:27/06/2011	SS Pipe TP-316, 304L, 310	1.48 Million	SLS	10 Weeks
24	Indian Oil Corporation Limited	Mr. Jatin Angara	Nagpur	CJ3857 Dated 28/01/2013	LSAW Pipes	4.2 million	SLS	14 - 16 Weeks
28	AL TAMIMI	Mr. Majdi	High Speed Rail	849451454 Dated 12.06.2013	Stainless Steel Tubes ERW	0.78 Million	SLS	12 Weeks
29	AIC	Mr. Wajahat Ali	K.S.A	P42 112010 Dated 20.04.2013	SS Pipes	0.55 Million	SLS	12 -14 Weeks
30	SAUDI ARAMCO	Mr. Damat	K.S.A	4510024089 Dated 10.09.2012	SS Pipes and Plates	1.35 Million	SLS	12 Weeks
31	MMTE	Mr. Soltani	IRAN	Multiple Order Contracts	SS Pipes, Fittings and Plates	5.7 Million	SLS	12 - 16 Weeks
32	ORIS OXIN	Mr. Nima	IRAN	Multiple Order Contracts	SS Pipes and Plates	0.35 Million	SLS	12 - 14 Weeks
33	DANA SANAT	Mr. Hasagzadeh	IRAN	Multiple Order Contracts	SS Clad Pipes / Plates	0.8 Million	SLS	12 - 16 Weeks