



**VIBHOR STEEL
TUBES LTD**

*Committed
To
Life*

Metal beam crash barriers | Transmission line towers & substation | Solar structure
Water tank structure | High mast lighting pole | Octagonal pole | GI pipes



VIBHOR STEEL TUBES LTD

Vibhor Steel Tubes Ltd. is a leading manufacturer of high-quality metal beam crash barrier, transmission line towers & sub station, solar structure, water tank structure, high mast lighting pole, octagonal post, GI pipes. We target providing good quality products, ensuring customer satisfaction. Our manufacturing facility produces materials that meet the specifications of Indian and international standards.





Vision

To be recognized worldwide for our work in saving lives through enabling smarter enforcement, changing driver behaviour for the better and ensuring those who break the law are dealt with effectively.

Mission

To have a sustainable, efficient, safe, and internationally comparable quality of road infrastructure in general and National Highways infrastructure in particular to achieve enhanced connectivity and quick mobility to a level which accelerates social economic development.

Road of Life

To ensure safety, it is crucial to always prioritize quality over price, for life is priceless.



Our products

- Metal Beam crash barriers
- Galvanised Iron pipe
- Structure for Solar (SPV) Panel
- Water Tank structure
- Transmission line tower
- Substation structure
- Monopole
- High mast
- Stadium Mast
- Galvanised octagonal & Conical pole





Specifications

Metal Beam Crash Barrier

Single side single barrier

Single side double barrier

Double side single barrier

Double side double barrier

Cold roll formed in thickness
3mm/2.8mm/2.6mm

Raw materials conforming to
5986/2062/10748 or equivalent of grade.

Fe 250/Fe 350/Fe 410/Fe 510

Hot deep galvanized to 550gsm/sq.m.

Overall Length 4318 mm/3318mm/ as per
customized drawing.

Effective Length: 4000mm/3000mm

Fastener as per IS: 1363, 1367

Tolerance as per IS: 1852



Product Details and Advantages

Vibhor Steel Tubes Ltd.- Metal Beam Crash Barrier has wide applications and is used on median, shoulders, verge and high embankment.

Safer than rigid barrier as the impact to errant vehicle is much lower on account of resilience of the metal beam.

Maintenance is very fast as only the damaged post's beam is taken out from the socketed foundation and replaced with a new beam and the beam is placed in its respective position. Normally, beam posts don't break or get damaged even after impact from a much heavier/bigger vehicle.

Lower Maintenance Cost.

Zinc coated Barrier means Long-life with low cost.

Conventional Barriers are more safe from other barriers.



Our manufacturing highlights



We are entering into
the field of
manufacturing
Transmission line
towers and
Substation
Structures, Telecom
Towers, Windmill
Towers, Solar
Structures, Railway
Electrification Mast.



Transmission Lines Towers & Substation structures

We are a leading manufacturer of
Transmission Line Towers in India.

We have three galvanizing plants

Our towers are designed to meet the
stringent requirements of power
transmission infrastructure, ensuring
durability and reliability.

We are procuring raw material from PGCL
approved vendor up to capacity 1000
metric tons per month



Solar Structures

We specialize and are experienced in manufacturing solar structures in India.

Our unparalleled expertise, passion for innovation, and uncompromising commitment to our customers' success extend across the project life cycle—from planning to building and beyond.

Our galvanized is processed as per the best of industrial practices.





Our Strength

Our material is rust free

Minimum maintenance cost

Customized structures for different sizes of tanks

Faster and comfortable to install

Size availability: From 2000 upto 90000 ltrs Tank (as per specs)



Advantages of Vibhor

We use premium raw material

Manufacturing ability: 1000 MT Water Tank Structures per month

We are a reputed organisation in PAN India

Manufacturing capacity: 1000 MT per month



High mast , Monopole and GI Octagonal & Conical pole

Our high mast lighting poles are customizable and can be used for roadway lighting, port lighting, industrial area lighting, stadium lighting, and flag mast lighting according to client requirements.

As one of the prominent high mast pole manufacturers in India, we prioritize consistent quality across our offerings.

High mast lighting system usages are diverse, serving as adaptable luminaires designed for high-intensity lumination and uniform light distribution, these are used in expansive outdoor areas such as highways, expressways, airports, seaports, sports stadiums, and Industrial complexes for better visibility.

GALVANISED OCTAGONAL POLE

Street light pole with bracket

Solar street light with SPV panel structure

Pole with stepped and caged ladder

Tailor made pole for CCTV and Traffic signal

HIGH MAST STRUCTURE

High mast lighting system

Stadium mast with fixed & movable Head frame

Lightning protection mast structure

Mast structure with ladder for Camera & Siren

MONOPOLE & DISTRIBUTION POLE



Standards

Compliance with Stringent Safety Norms

Conforming to Indian and Global Standards.

The metal beam crash barrier manufactures by crash tested and complies with both Indian and international standards.

Conforms to Indian Standard, Specifications and Guidelines notified by IRC & MORTH.

5th edition of MORTH (Ministry of Road and Highways code in 2013

INC: 119-2015 Guidelines for Traffic Safety Barriers

IRC SP:73:2015: Manual of Specifications & Standards for 2 laning of highways through PPP.



Quality Policy

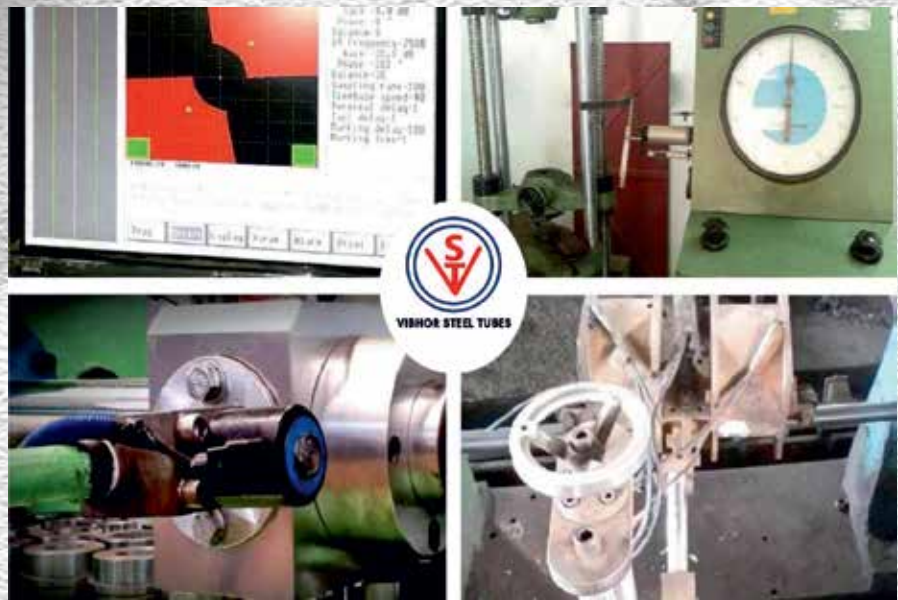
The company follows a stringent quality policy with a robust quality management system and is accredited with 150 59001:2015 certifications, besides being TUV certified for international standard.

A technically sound and strict quality check is carried out at all stages, right from procuring high-end raw material from noted suppliers like SAIL, and JSW through the manufacturing process, right till the ISI-marked end-product is well delivered.

Raw material is inspected for various with width and thickness within the specification tolerance.



Quality Assurance Procedure



Universal Testing Machine

Checking mechanical properties

Bend Test Flattering Test

Soundness and toughness of metal after weld

Spectrometer

Checking chemical composition

Chemical Weight Analysis

Accurate size, weight and thickness

Certifications



BLACK & GALVANIZED ERW STEEL TUBES CONFORMING TO IS:1239 (PT-1) Equivalent to BS:1387

SERIES					LIGHT			MEDIUM					HEAVY				
NOMINAL BORE		O.D.	OUTSIDE DIA		W.T.	WEIGHT		OUTSIDE DIA		W.T.	WEIGHT		OUTSIDE DIA		W.T.	WEIGHT	
INCH	mm	mm	MIN(MM)	MAX(mm)	mm	P/E Kg/m	S/S Kg/M	MIN(MM)	MAX(mm)	mm	P/E Kg/m	S/S Kg/M	MIN(MM)	MAX(mm)	mm	P/E Kg/m	S/S Kg/M
1/2	15	21.3	21.0	21.4	2.0	0.947	0.956	21.0	21.8	2.6	1.21	1.22	21.0	21.8	3.2	1.44	1.45
3/4	20	26.9	26.4	26.9	2.3	1.38	1.39	26.5	27.3	2.6	1.56	1.57	26.5	27.3	3.2	1.87	1.88
1	25	33.7	33.2	33.8	2.6	1.98	2.00	33.3	34.2	3.2	2.41	2.43	33.3	34.2	4.0	2.93	2.95
1 1/4	32	42.4	41.9	42.5	2.6	2.54	2.57	42.0	42.9	3.2	3.10	3.13	42.0	42.9	4.0	3.79	3.82
1 1/2	40	48.3	47.8	48.4	2.9	3.23	3.27	47.9	48.8	3.2	3.56	3.60	47.9	48.8	4.0	4.37	4.41
2	50	60.3	59.6	60.2	2.9	4.08	4.15	59.7	60.8	3.6	5.03	5.10	59.7	60.8	4.5	6.19	6.26
2 1/2	65	76.1	75.2	76.0	3.2	5.71	5.83	75.3	76.6	3.6	6.42	6.54	75.3	76.6	4.5	7.93	8.05
3	80	88.9	87.9	88.7	3.2	6.72	6.89	88.0	89.5	4.0	8.36	8.53	88.0	89.5	4.8	9.90	10.10
4	90	101.6	-	-	3.6	8.70	-	-	-	4.0	9.63	-	-	-	4.8	11.5	-
4	100	114.3	113.0	113.9	3.6	9.75	10.00	113.1	115.0	4.5	12.20	12.50	113.1	115.0	5.4	14.50	14.80
5	125	139.7	-	-	4.5	15.00	-	138.5	140.8	4.8	15.90	16.40	138.5	140.8	5.4	17.90	18.40
6	150	165.1	-	-	4.5	17.80	-	163.9	166.5	4.8	18.90	19.50	163.9	166.5	5.4	21.30	21.90

NOTE:
(I) IS:1239&BS:1387 cover sizes upto 100 mm NB all series and 125 & 150 mm NB medium & heavy series, plain end and screwed & socketed ends.
(II) Hydro test Pressure-5 MPa

BIS Amendment Thickness Changed for IS 1161 Amendment No. 2-August-2023 (5th Revision)

NB	OD	Thk	Mass	NB	OD	Thk	Mass	NB	OD	Thk	Mass	NB	OD	Thk	Mass	NB	OD	Thk	Mass
Mm	mm	mm	kg/m	mm	mm	mm	kg/m	mm	mm	mm	kg/m	mm	mm	mm	kg/m	mm	mm	mm	kg/m
(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
15	21.3	2	0.95	65	76.1	2	3.65	100	114.3	4	10.88	135	152.4	6.3	22.70	170	1	12.5	50.95
15	21.3	2.5	1.16	65	76.1	2.5	4.54	100	114.3	5	13.48	135	152.4	8	28.49	175	77.8	4	18.71
15	21.3	3	1.35	65	76.1	3	5.41	100	114.3	6	16.03	135	152.4	10	35.12	175	193.7	5	23.27
20	26.9	2	1.23	65	76.1	4	7.11	100	114.3	6.3	16.78	150	165.1	3	11.99	175	193.7	6	27.77
20	26.9	2.5	1.50	65	76.1	5	8.77	100	114.3	8	20.97	150	165.1	4	15.89	175	193.7	6.3	29.12
20	26.9	3	1.77	65	76.1	6	10.37	110	127	2.9	8.88	150	165.1	5	19.74	175	193.7	8	36.64
25	33.7	2	1.56	65	76.1	6.3	10.84	110	127	3.2	9.77	150	165.1	6	23.54	175	193.7	10	45.3
25	33.7	2.5	1.92	80	88.9	2	4.29	110	127	3.6	10.96	150	165.1	6.3	30.99	175	193.7	12	53.77
25	33.7	3	2.27	80	88.9	2.5	5.33	110	127	4	12.13	150	165.1	8	12.23	175	193.7	12.5	55.86
32	42.4	2	1.99	80	88.9	3	6.36	110	127	5	15.04	150	168.3	3	16.21	200	219.1	4	21.22
32	42.4	2.5	2.46	80	88.9	4	8.38	110	127	6	17.90	150	168.3	4	20.14	200	219.1	5	26.40
32	42.4	3	2.91	80	88.9	5	10.35	110	127	6.3	18.75	150	168.3	5	24.02	200	219.1	6	31.53
32	42.4	4	3.79	80	88.9	6	12.27	125	139.7	3	10.11	150	168.3	6	25.17	200	219.1	6.3	33.06
40	42.4	2	2.28	80	88.9	6.3	12.83	125	139.7	4	13.39	150	168.3	6.3	31.63	200	219.1	8	41.65
40	48.3	2.5	2.82	90	101.6	2	4.91	125	139.7	5	16.61	150	168.3	8	39.04	200	219.1	10	51.57
40	48.3	3	3.35	90	101.6	2.5	6.11	125	139.7	6	19.78	150	168.3	10	17.14	200	219.1	12	61.29
40	48.3	4	4.37	90	101.6	3	7.29	125	139.7	6.3	20.73	170	177.8	4	21.31	200	219.1	12.5	63.69
40	48.3	5	5.34	90	101.6	4	9.63	125	139.7	8	25.98	170	177.8	5	25.42	225	244.5	5	29.53
50	60.3	2	2.88	90	101.6	5	11.91	125	139.7	10	31.99	170	177.8	6	26.65	225	244.5	6	35.29
50	60.3	2.5	3.56	90	101.6	6	14.15	135	152.4	3	11.05	170	177.8	6.3	33.50	225	244.5	6.3	37.01
50	60.3	3	4.24	90	101.6	6.3	14.81	135	152.4	4	14.64	170	177.8	8	33.50	225	244.5	8	46.66
50	60.3	4	5.55	100	114.3	2.5	6.89	135	152.4	5	18.18	170	177.8	10	41.38	225	244.5	10	57.83
50	60.3	5	6.82	100	114.3	3	8.23	135	152.4	6	21.66	170	177.8	12	49.07	225	244.5	12	68.810

**ERW PIPES FOR WATER & SEWAGE CONFORMING TO IS:3589 & WATER WELL CASING
CONFORMING TO IS:4270**

SIZE		CONVENTIONAL MASS PER UNIT LENGTH (Kg/m)																					
NB	OD	WALL THICKNESS (mm)																					
m	mm	3.2	3.6	4.0	4.3	4.6	4.8	5.0	5.2	5.4	5.6	6.0	6.3	6.4	7.0	7.10	8.00	9.50	10.0	12.0	12.5	12.7	
m	mm	0	0	0	0	5	5	0	0	0	0	0	5	0	0				0	0	0	0	
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	22.13	20.91	21.69	-	24.01	25.36	25.55	27.84	28.22	-	-	-	-	-	-	
175	193.70	-	16.88	18.71	20.08	21.68	22.59	23.27	24.17	25.07	-	27.77	39.34	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	-	-	-	
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	-	-	-	
300	332.90	-	-	31.55	33.89	36.61	38.16	39.32	40.87	42.41	43.96	47.04	49.73	50.11	54.30	55.47	62.32	73.65	77.41	-	-	-	
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	-	-	-	
400	406.4	-	-	-	-	-	-	49.49	51.45	-	-	59.24	62.64	-	-	69.91	78.60	92.98	97.75	116.71	121.42	123.30	
450	457	-	-	-	-	-	-	55.73	57.94	-	-	66.73	70.57	-	-	78.77	88.58	104.84	110.23	131.68	137.02	139.15	
500	508	-	-	-	-	-	-	62.02	64.48	-	-	-	78.55	-	-	87.70	98.64	116.78	122.81	146.78	152.74	155.12	
600	610	-	-	-	-	-	-	-	-	-	-	-	94.53	-	-	105.56	118.76	140.68	147.96	176.96	184.18	187.06	

- NOTE:
- (I) IS:4270 covers Pipe size 100 mm to 350 mm NB & IS:3589 covers Pipe size 168.30 mm O.D. to 610 mm OD.
 - (II) IS 4270 covers wall thickness upto 10 mm.
 - (III) IS 3589 covers wall thickness upto 12.70 mm.
 - (IV) Also uptill 24inch chart will be added with all the thickness.
 - (V) Other thickness may be supplied as per agreement.
 - (VI) Max. Hydro Test Pressure IS:3589-5 MPa, IS:4270-7 MPa.





**We are the
strongest supporter
of Developing India**





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Works & Office

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Udityal (V), Balanagar (M)
Dist - Mahabubhanagar
Telangana - 509202

Raigad Unit

Pipe Nagar, NH-17 BKG Road
Village Sukeli, Dist - Raigad
Maharashtra - 402126

Sundargarh Unit

Khata No 29, A J A, IDCO Plot No. 45
Tahsil Sadar Sundargarh, Podabahal
Odisha - 770019