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Octagonal Pole & High Mast

# CREATING BENCHMARKS

ISO 9001: 2015 | API Q1-2014 |  LISTED | ISO 14001:2004 | OHSAS 18001:2007



## About Us

**JINDAL ( INDIA) LIMITED** – Setting Benchmarks Since 1952

Jindal ( India) Limited, When we claim to be part of growth story of Indian Steel Industry from beginning, we claim it with a solid foundation of over 67 years of presence in this line.

When we claim to be a renowned producer of Galvanized steel sheets, corrugated sheets and coils, it is after having the trust of customers all across the globe – right from Latin America to Far East.

When we claim to be a significant player in ERW Galvanized and Black pipe segments, it is with a product range from ½ “ to 20” and with the confidence of serving most critical oil and gas industry through supplies of pipes up to Grade API X 70 successfully over the last few years.

When we claim to be amongst the pioneers in Aluminium foil Industry in India, it is with the backing of being only manufacturer to produce foil in 6 micron thickness (soon going to be the only manufacturer in the country with line to produce 4 micron thickness foil).

When we decided to go for production of Alu Zinc alloy and Color coated steel, we selected the best machinery available, best RM sources for our Substrate material and paint. This has resulted in one year of trouble free operations which has helped us establish our product as a premium quality product in Indian markets and now we are expanding our base to International markets too.

## Towards Future

Embracing the rapid growth of the country infrastructure and urban development, JIL came into the field of structures and pole to serve the increasing demand for superior quality Structures, Poles and Road Safety Equipments. As one of the leading manufacturers, JIL has evolved to be synonymous with quality through its comprehensive range of products for various applications. Its range of solutions includes Street Lighting Poles, Traffic Poles, CCTV Poles, Flood Lighting Poles and Stadium Masts, Swaged Tubular Pole, Railway Structures, Metal Beam Crash Barriers and many more...



## Mission

Creating new benchmarks through creating new product portfolio to enhance support towards infrastructural growth and thus involved in nation building.

## Vision

Our vision is to become market leaders in Structure and Poles business through strong focus on customer relationships along with quality and cost consciousness; and a concern for environment and safety both in domestic and global markets.

## Product range

- Octagonal pole
- High Mast
- Swaged Tubular Pole
- Stadium Mast
- Signage Mast
- CCTV Surveillance Mast
- Customized Pole and Structures,

# Octagonal Pole



**Octagonal Poles** are commonly used nowadays over other types of poles, due to its various features like aesthetic, sleek and ultra-modern in appearance and easy to maintain. At JIL, we are manufacturing Octagonal Pole of length 3 Mtr to 12 Mtr in Single section.

## Design, standard followed

1. IS : 875 PART 3
2. IS : 800-2007
3. IS : 6533 PART 2,1989
4. BS 5649-1985

## Special Features

- High tensile steel conforming to ASTM, BSEN, ISO STANDARDS.
- Poles comes with hot dip galvanization, no need to paint every year.
- External junction box is not required, Hence MCB and other electrical part are safer.
- Automated fabrication with the help of CNC operated machine for fast and accurate finishes.
- SAW welding, only one longitudinal welding.
- Easily relocation is possible.



# Octagonal Pole



## DIMENSION OF OCTAGONAL POLE WITH BASE PLATE FOUNDATION TYPE For Maximum wind speed of 180 km/Hour

Model no	Height (mm)	Top Across Flat (mm)	Bottom Across Flat (mm)	Thickness (mm)	Sq Base Plate LxT (mm)	PCD (mm)	Foundation Bolt Size (mm)	No of Bolt	Door Opening
JIL3010C	3000	70	130	3	200 X 12	200	M 16 X 600	4	90 X 350
JIL4010C	4000	70	130	3	200 X 12	200	M 16 X 600	4	90 X 350
JIL05010C	5000	70	130	3	200 X 12	200	M 16 X 600	4	90 X 350
JIL6010C	6000	70	130	3	225 X 12	225	M 24 X 750	4	90 X 350
JIL7010C	7000	70	130	3	225 X 12	225	M 24 X 750	4	90 X 500
JIL8010C	8000	70	135	3	240 X 16	240	M 24 X 750	4	90 X 500
JIL9010C	9000	70	155	3	250 X 16	250	M 24 X 750	4	90 X 500
JIL1010C	10000	70	175	3	260 x 20	260	M 24 X 800	4	120 x 500
JIL11010C	11000	90	175	3	320 x 20	320	M 24 X 800	4	120 x 500
JIL12010C	12000	90	175	3	320 x 20	320	M 24 X 800	4	120 x 500

### MATERIAL SPECIFICATION,

MAST & POLE SHAFT- BSEN 10025, ASTM A572, IS 5986

FOUNDATION- IS-2062/E250A

BASE PLATE- IS-2062

GALVANIZATION- IS:4759/2629 AND ASTM A123

## High Mast



**High Mast Lighting Systems** are required for illuminating large areas with a single pole. JIL makes High Mast Poles custom designed according to customer specifications and requirements.

Our plant is equipped with modern CNC machines which ensure strict adherence to specifications. JIL manufactures High Mast Poles with two / three suspension system for lantern carriage. High Mast Poles are used at parking yards, railway yards, stations, urban areas, airports, parks and others.

## DIMENSION OF HIGH MAST WITH BASE PLATE FOUNDATION TYPE For Maximum Wind Speed of 158 Km/hr.

Type	Total Height mm	Segment Details		Sides	Top Face to Face Inside mm	Bottom Face To Face Inside mm	Circular Base Plate O.D.xThick mm	P.C.D of Bolt	Size of Bolt mm	No. of Bolt	Door Opening	Winch	SWL Cap. Kg	No. of Fitting	Dia of Rope mm	
		No	Length mm													Thickness mm
JIL1201HM	12000	2	6250	3,3	12	150	360	550*18	425	M 18*750	6	200x1000	1 Drum	500	6	6
JIL1601HM	16000	2	8250	3,3	20	150	360	605*20	485	M 20*900	8	300x1400	2 Drum	750	9,12	6
JIL1602HM	16000	2	8250	4,3	20	150	356	540*25	460	M 25*900	8	300x1000	2 Drum	750	6,8	6
JIL1603HM	16000	2	8250	4,3	20	150	450	650*30	550	M 25*750	8	300x1000	2 Drum	750	6,8	6
JIL1801HM	18000	2	9375	4,3	20	150	450	690*25	584	M 30*900	8	300x1400	2 Drum	750	9,12	6
JIL1802HM	18000	3	6400	5,4,3	20	150	400	650*25	525	M 20*900	8	300x1400	2 Drum	750	9,12	6
JIL2001HM	20000	2	10500	4,4	20	150	440	690*25	570	M 20*1200	12	300x1400	2 Drum	750	9,12	6
JIL2002HM	20000	2	10500	4,3	20	150	450	670*25	590	M 25*1000	12	300x1200	2 Drum	750	9,12	6
JIL2401HM	24000	3	8500	5,5,3	20	200	475	720*25	600	M 24*1200	12	300x1400	2 Drum	750	9,12	6
JIL2501HM	25000	3	9000	5,5,3	20	200	490	740*25	620	M 24*1200	12	300x1400	2 Drum	750	9,12	6
JIL3001HM	30000	3	10800	5,4,4	20	200	615	860*25	740	M 20*1200	20	300x1400	2 Drum	750	9,12	6
JIL3601HM	36000	4	9850	6,5,4,4	20	200	640	840*32	740	M 24*1200	20	300x1400	2 Drum	750	9,12	6
JIL4001HM	40000	4	11000	6,5,4,4	20	200	700	900*30	800	M 32*1200	20	300x1400	2 Drum	750	9,12,15	6

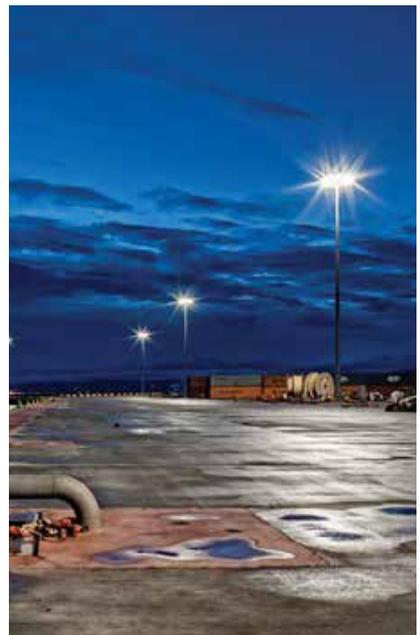
### MATERIAL SPECIFICATION,

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BASE PLATE- IS-2062

GALVANIZATION- IS:4759/2629 AND ASTM A123



## Swaged Pole

Our **Swaged Poles** are made of superior quality seamless or welded tubes, which are of suitable lengths swaged and joined together. Swaged Poles include Light Poles in single hang & double hang, Street Light Poles and Traffic Light Poles etc.

We design and manufacture swaged poles and specialty steel structures. These include all standard types of highway and street lighting poles as well as the standard types of traffic signal poles. Swaged poles are made of ERW welded tubes of suitable lengths swaged and joined together.

# Swaged Pole



# Swaged Pole

Overall Height <b>7.0 Mtr</b> Height Above Ground 5.75 Mtr Planting Depth 1.25 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	4.0 Mtr	1.5 Mtr	1.5 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP1	114.3   3.65	88.9   3.25	76.1   3.25	62
410 - SP2	114.3   4.50	88.9   4.05	76.1   3.25	73
410 - SP3	114.3   5.40	88.9   4.85	76.1   3.25	85

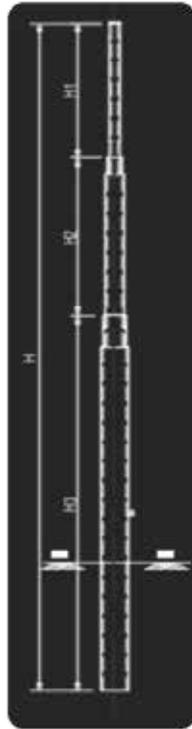
Overall Height <b>7.5 Mtr</b> Height Above Ground 6.25 Mtr Planting Depth 1.25 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	4.5 Mtr	1.5 Mtr	1.5 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP4	114.3   3.65	88.9   3.25	76.1   3.25	67
410 - SP5	114.3   4.50	88.9   4.05	76.1   3.25	79
410 - SP6	114.3   5.40	88.9   4.85	76.1   3.25	93
411 - SP7	139.7   4.50	114.3   3.65	88.9   3.25	97
412 - SP8	139.7   4.85	114.3   3.65	88.9   3.25	103
413 - SP9	139.7   5.40	114.3   3.65	88.9   3.25	110

Overall Height <b>8.0 Mtr</b> Height Above Ground 6.50 Mtr Planting Depth 1.50 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	4.5 Mtr	1.75 Mtr	1.75 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP10	114.3   3.65	88.9   3.25	76.1   3.25	70
410 - SP11	114.3   4.50	88.9   4.05	76.1   3.25	83
410 - SP12	114.3   5.40	88.9   4.85	76.1   3.25	97
411 - SP13	139.7   4.50	114.3   3.65	88.9   3.25	101
412 - SP14	139.7   4.85	114.3   4.50	88.9   3.25	111
413 - SP15	139.7   5.40	114.3   4.50	88.9   3.25	119

Overall Height <b>8.5 Mtr</b> Height Above Ground 7.0 Mtr Planting Depth 1.50 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	5.0 Mtr	1.75 Mtr	1.75 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP16	114.3   3.65	88.9   3.25	76.1   3.25	75
410 - SP17	114.3   4.50	88.9   4.05	76.1   3.25	89
410 - SP18	114.3   5.40	88.9   4.85	76.1   3.25	104
411 - SP19	139.7   4.50	114.3   3.65	88.9   3.25	109
412 - SP20	139.7   4.85	114.3   4.50	88.9   3.25	115
413 - SP21	139.7   5.40	114.3   4.50	88.9   3.25	129
413 - SP22	165.1   4.50	139.7   4.50	114.3   3.65	141
413 - SP23	165.1   4.85	139.7   4.50	114.3   3.65	148
413 - SP24	165.1   5.40	139.7   4.50	114.3   3.65	158

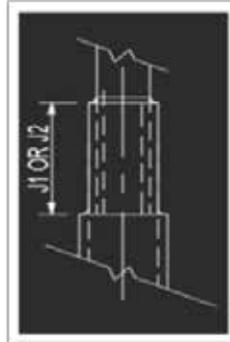
Overall Height <b>9.0 Mtr</b> Height Above Ground 7.50 Mtr Planting Depth 1.50 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	5.0 Mtr	2.0 Mtr	2.0 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP25	114.3   3.65	88.9   3.25	76.1   3.25	78
410 - SP26	114.3   4.50	88.9   4.05	76.1   3.25	92
410 - SP27	114.3   5.40	88.9   4.85	76.1   3.25	108
411 - SP28	139.7   4.50	114.3   3.65	88.9   3.25	113
412 - SP29	139.7   4.85	114.3   4.50	88.9   3.25	125
413 - SP30	139.7   5.40	114.3   4.50	88.9   3.25	133
413 - SP31	165.1   4.50	139.7   4.50	114.3   3.65	147
413 - SP32	165.1   4.85	139.7   4.50	114.3   3.65	154
413 - SP33	165.1   5.40	139.7   4.50	114.3   3.65	164

Overall Height <b>9.5 Mtr</b> Height Above Ground 7.70 Mtr Planting Depth 1.80 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	5.0 Mtr	2.25 Mtr	2.25 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP34	139.7   4.50	114.3   4.50	88.9   3.25	122
410 - SP35	139.7   4.85	114.3   4.50	88.9   3.25	129
410 - SP36	139.7   5.40	114.3   4.50	88.9   3.25	137
411 - SP37	165.1   4.50	139.7   4.50	114.3   3.65	153
412 - SP38	165.1   4.85	139.7   4.50	114.3   3.65	160
413 - SP39	165.1   5.40	139.7   4.50	114.3   3.65	170



## LENGTH OF JOINTS IN SWAGED POLES (mm)

OUTER DIAMETER OF SMALLER TUBE IN JOINT	LENGTH OF JOINT J1 & J2
76.1	200
88.9	230
114.3	300
139.7	350
165.1	400
193.7	450



## TOLERANCE OF STEEL TUBULAR POLES

OUTSIDE DIAMETER	1%
THICKNESS	10%
SECTION LENGTH	40 MM
OVERALL LENGTH	25 MM
BULK WEIGHT	7.50%
SINGLE WEIGHT	10%
STRAIGHTNESS	1/600

Overall Height <b>10.0 Mtr</b> Height Above Ground 8.20 Mtr Planting Depth 1.80 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	5.2 Mtr	2.4 Mtr	2.4 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP40	139.7   4.50	114.3   4.50	88.9   3.25	128
410 - SP41	139.7   4.85	114.3   4.50	88.9   3.25	135
410 - SP42	139.7   5.40	114.3   4.50	88.9   3.25	144
411 - SP43	165.1   4.50	139.7   4.50	114.3   3.65	160
412 - SP44	165.1   4.85	139.7   4.50	114.3   3.65	168
413 - SP45	165.1   5.40	139.7   4.50	114.3   3.65	178
411 - SP46	193.7   4.85	165.1   4.50	139.7   4.50	208
412 - SP47	193.7   5.40	165.1   4.50	139.7   4.50	221
413 - SP48	193.7   5.90	165.1   4.50	139.7   4.50	233

Overall Height <b>11.0 Mtr</b> Height Above Ground 9.20 Mtr Planting Depth 1.80 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	5.6 Mtr	2.7 Mtr	2.7 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP49	139.7   4.50	114.3   4.50	88.9   3.25	140
410 - SP50	139.7   4.85	114.3   4.50	88.9   3.25	147
410 - SP51	139.7   5.40	114.3   5.40	88.9   3.25	164
411 - SP52	165.1   4.50	139.7   4.50	114.3   3.65	175
412 - SP53	165.1   4.85	139.7   4.50	114.3   3.65	183
413 - SP54	165.1   5.40	139.7   4.50	114.3   3.65	194
411 - SP55	193.7   4.85	165.1   4.50	139.7   4.50	227
412 - SP56	193.7   5.40	165.1   4.50	139.7   4.50	241
413 - SP57	193.7   5.90	165.1   4.85	139.7   4.50	256

Overall Height <b>12.0 Mtr</b> Height Above Ground 10.0 Mtr Planting Depth 2.0 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	5.8 Mtr	3.1 Mtr	3.1 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP58	165.1   4.50	139.7   4.50	114.3   3.65	186
410 - SP59	165.1   4.85	139.7   4.50	114.3   3.65	197
410 - SP60	165.1   5.40	139.7   4.50	114.3   3.65	208
411 - SP61	193.7   4.85	165.1   4.50	139.7   4.50	245
412 - SP62	193.7   5.40	165.1   4.50	139.7   4.50	259
413 - SP63	193.7   5.90	165.1   4.85	139.7   4.50	277
411 - SP64	219.1   4.85	193.7   4.85	165.1   4.50	292
412 - SP65	219.1   5.60	193.7   4.85	165.1   4.50	313
413 - SP66	219.1   5.90	193.7   4.85	165.1   4.50	322

Overall Height <b>13.0 Mtr</b> Height Above Ground 11.0 Mtr Planting Depth 2.0 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	5.8 Mtr	3.6 Mtr	3.6 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP67	193.7   4.85	165.1   4.50	139.7   4.50	261
410 - SP68	193.7   5.40	165.1   4.85	139.7   4.50	281
410 - SP69	193.7   5.90	165.1   5.40	139.7   4.50	302
411 - SP70	219.1   4.85	193.7   4.85	165.1   4.50	312
412 - SP71	219.1   5.60	193.7   4.85	165.1   4.50	333
413 - SP72	219.1   5.90	193.7   4.85	165.1   4.50	343

Overall Height <b>14.5 Mtr</b> Height Above Ground 12.50 Mtr Planting Depth 2.0 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	6.5 Mtr	4.0 Mtr	4.0 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP73	193.7   5.40	165.1   4.85	139.7   4.50	312
410 - SP74	193.7   5.90	165.1   5.40	139.7   4.50	336
410 - SP75	219.1   5.60	193.7   4.85	165.1   4.50	370
411 - SP76	219.1   5.90	193.7   4.85	165.1   4.50	380

Overall Height <b>16.0 Mtr</b> Height Above Ground 13.70 Mtr Planting Depth 2.30 Mtr	BOTTOM	MIDDLE	TOP	Wt in Kg
	SECTION HEIGHT			
	H3	H2	H1	
	7.0 Mtr	4.5 Mtr	4.5 Mtr	
	OUTSIDE DIAMETER   THICKNESS			
H3	H2	H1		
mm	mm	mm		
410 - SP77	193.7   5.40	165.1   4.85	139.7   4.50	341
410 - SP78	193.7   5.90	165.1   5.40	139.7   4.50	367
410 - SP79	219.1   5.60	193.7   4.85	165.1   4.50	405
411 - SP80	219.1   5.90	193.7   4.85	165.1   4.50	416

## Signage Mast

**Signage Masts** are the new way to bring out your reachability to customers specially in case of highways. Most of the petrol Pumps, Restaurants and hotels use this type of mast so people can estimate about the distance and direction to head. JIL manufacture standard signage mast and customized too, depends upon requirements of customers.



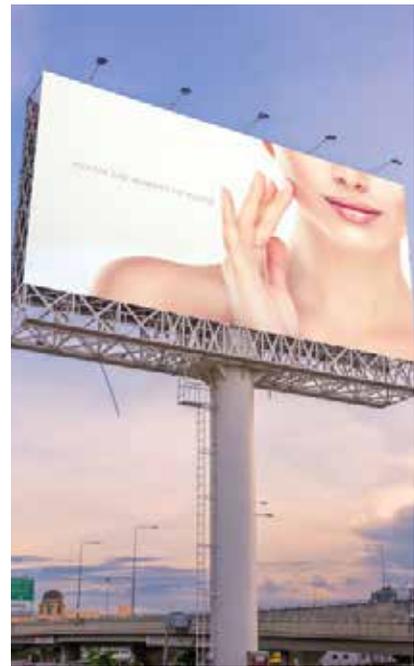
## Other Customized Structures



**Solar Pole** The future of solar energy looks promising, Solar energy is renewable energy source, widely used in many areas. Solar street lighting is one of them. At JIL, we make standard polygonal structure, Polygonal Pole and Customized Structure which last as long as solar panel.



**Sport Stadium Mast** Sports Lighting Systems are required for illuminating stadiums or playgrounds with tall lighting poles which rest on a platform and have a ladder. At JIL, we manufacture Sports Mast Poles according to customer specifications and requirements. Our plant is equipped with modern CNC machines which ensure perfect product dimensions that matches customer specifications.



**Digital Display Structure** Digital display boards are commonly used in Smart City Projects. At JIL we manufacture custom structures and stand according to customer specification and requirements.

## Other Products



Round Tubes



Hollow Sections



API Tubes



Galvanised Steel Coils



Galvanised Steel Sheets



Colour Sheets



Aluzinc Coated Steel



Colour Coils



Metal Beam Crash Barriers



Guard Rails

## Global Presence

We have been regularly exporting various products to nearly 60 countries worldwide.



# JINDAL (INDIA) LIMITED

### Registered Office & Works

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