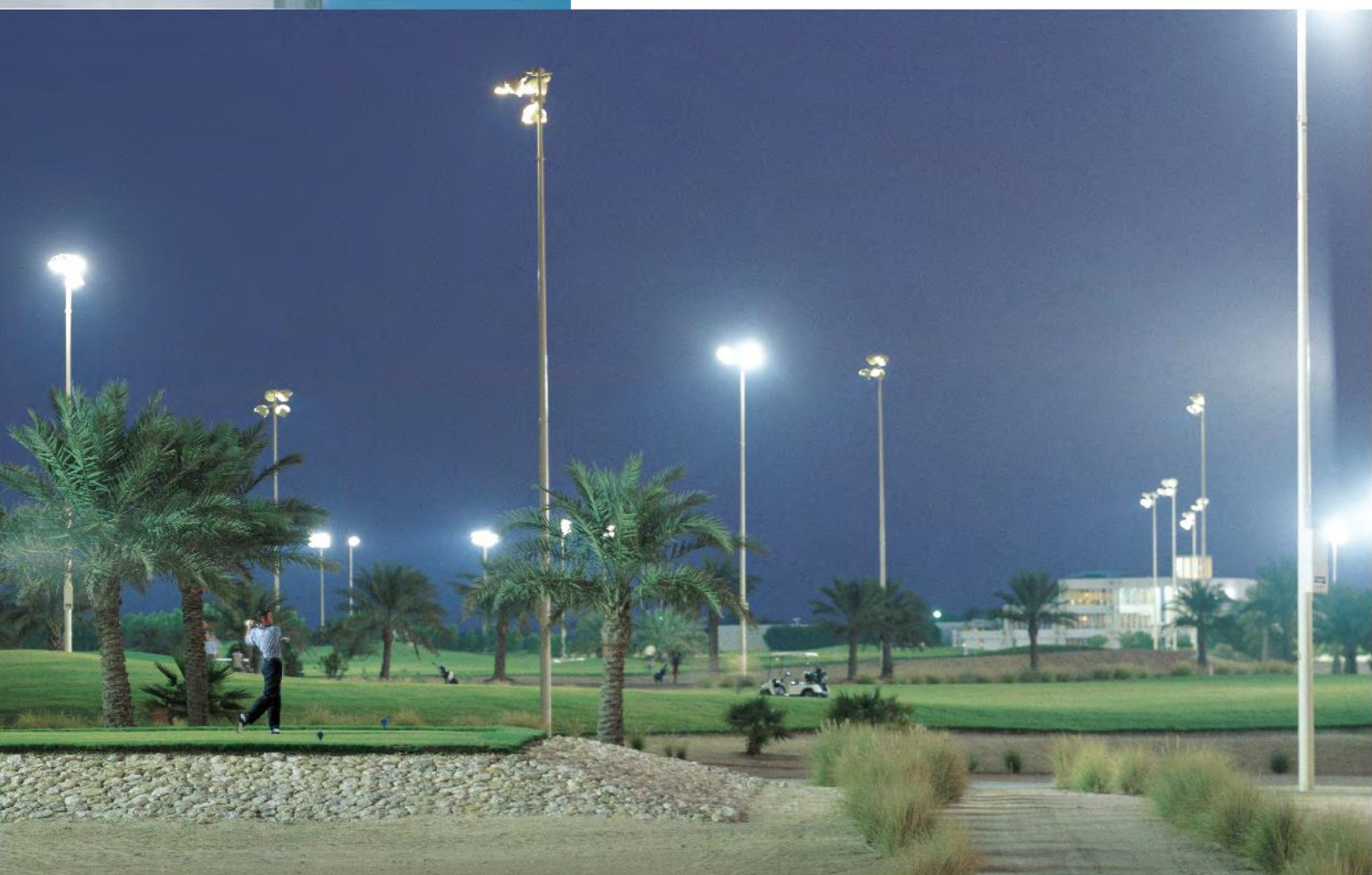




TRANSPOWER®
INDIA



HIGH MASTS

TRANSPOWER TRANSFORMING LIGHTING INDIA

THE COMPANY PROFILE

TRANSPower SWITCHGEAR INDUSTRIES

Transpower Switchgear Industry is an ISO 9001 : 2008 Certified, Mumbai (Maharashtra) based business entity, is acknowledged in the market for setting an unsurpassable paradigm of excellence. The company is primarily engaged in the manufacturing, supplying and exporting of Power Products H.T. & L.T. Materials, Distribution & Special Purpose Transformers up to 33KV line, Street Light Poles, Octagonal Poles Manufacture, Luminaries & Accessories etc.

The company is certified to ISO-9001 TO 2015 Certification that reflects the genuineness of the products and our reliability. Isolators i.e. Air Break Switch (G.O.D), Drop Out Fuse up to 33KV Line with Kiosk Metering Set, V.C.B, S.F. Isolators, R.M.U. & Breaker, Cables, Capacitors.

Rated By NSIC – CRISIL and Experiencing magnificent growth, since its establishment in the year 1995.

Transpower, a Mumbai based firm, offering a variety of Lighting Poles, Pipes and Lines Materials. The variety of Lighting Poles Pipes and Lines Materials that we offer includes Tubular Poles (For Street Lighting & Transmission Lines), Decorative Lighting Poles, Octagonal Poles, High Mast Poles, M.S/G.I. Pipes, Electric Poles, Line Materials etc. Our organization is showing a substantial growth since the time of its establishment in the year 2013. We are flourishing at a fast pace under the due guidance of our knowledgeable Chairman Mr.Sambhaji Haribhau Kudekar. We have also carved a niche for ourselves among the topmost Poles Suppliers in India.

Our Mission

To build a strong brand and maintain superior quality standard for customer satisfaction.

Our Vision

Achieve numerous positions in pole, cable, and pipes industry in terms of volume, turnover and quality in the Asian Continent.

Our Quality

Our focus on quality is evident in our product range. We have never compromised on quality and have successfully achieved a high level of customer appreciation resulting in long-lasting relations.



HIGH MAST POLE

High mast lighting is today preferred over conventional lighting. Especially where large areas are to be illuminated. This system eliminates the need for numerous lighting columns which, under certain circumstances, can pose hazardous to movement. This is possible because the high mast lighting system achieves very large space to height ratios.

High-mast lighting is ideal for industrial or commercial areas, docks, airports, flyovers, stations, car parks and even some hazardous areas. All of these require the best possible lighting with minimum interference from the installation itself combined with ease of maintenance.

Mast Structure

High mast is continuously tapered; polygonal cross section of 12 to 20 sides fabricated from special steel plates, and is delivered at site in sections. Sections are joined together by slip-stress-fit method and are provided with fully penetrated and welded flange.

The design is based on proven in-tension design conforming to the Technical Report No 7-1996, Institution of Lighting Engineers. UK. This ensures assured performance and reliable service. The structure is suitable for loading as per IS 875 (part3) 1987.

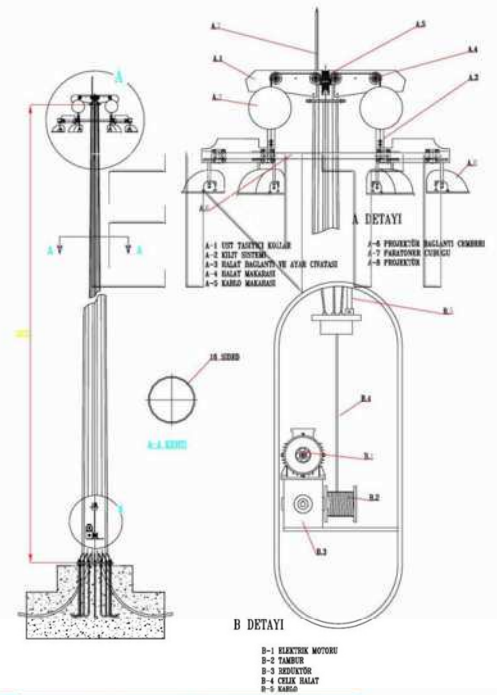
Construction

High mast is fabricated from steel plates conforming to BSEN 10025, GR-S255 JO or equivalent as per customer's requirement, cut and folded to form a polygonal section. Masts come in two sections for 16 & 20 Mtr and in three sections for 25 & 30 Mtr heights and are only longitudinally welded, conforming to BS 5135/AWS.

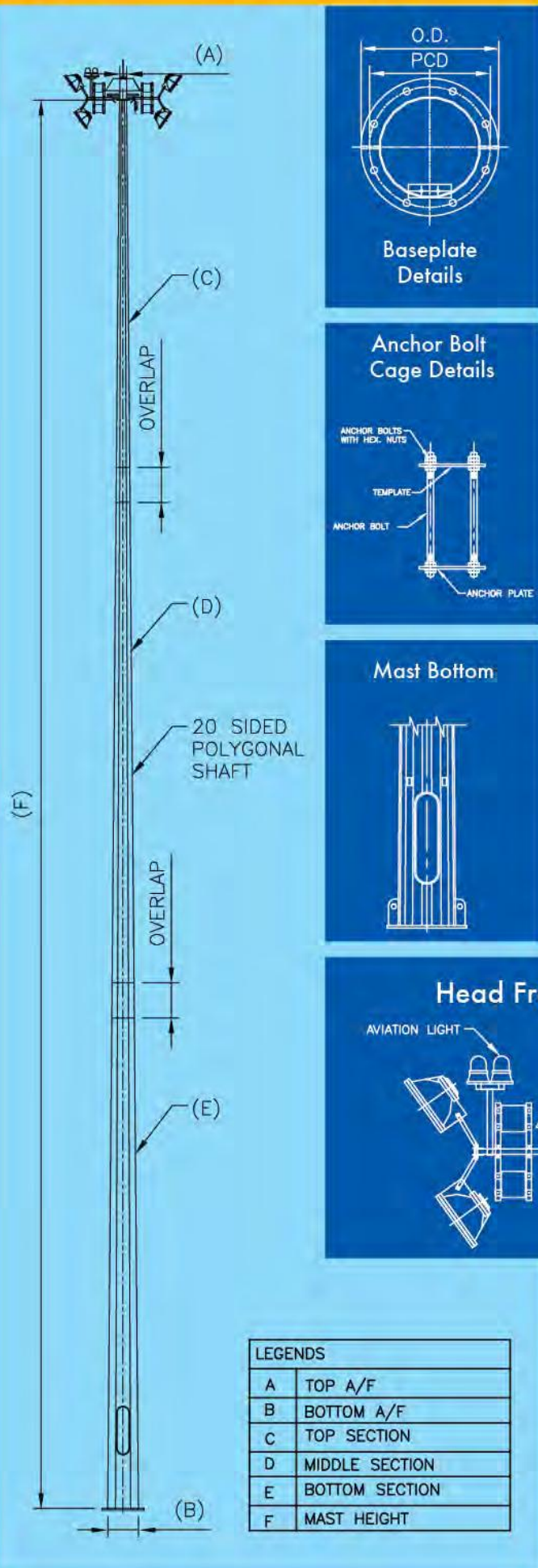
The mast is provided with a fully penetrated flange, which is free from any laminations or incursions. The welded connection of the base flange is fully developed to the strength of the entire section. The base flange is provided with supplementary gussets between bolt holes to ensure elimination of helical stress concentration.

For environmental protection of the mast, the entire fabricated mast is Hot dip Galvanized (Single Dip) internally and externally, that results in uniform coating thickness of 65 to 85 as per sheet thickness & maintaining BSEN ISO-1461 or equivalent.

TRANSPOWER®
SWITCHGEAR INDUSTRIES
AN ISO CERTIFIED COMPANY



Typical drawing of High Mast



Structure:

The Highmast is of continuously tapered, polygonal cross section, presenting a good and pleasing appearance and is based on proven design conforming to international standards, to give an assured performance, and reliable service. The structure is suitable for wind speed as per IS 875 part 3 1987.

Construction:

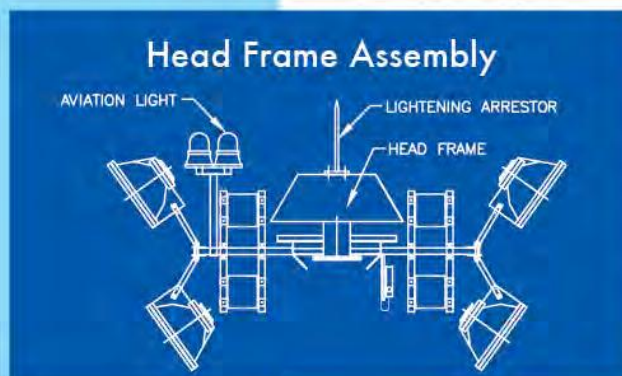
The mast is fabricated from special steel plates, conforming to ASTM A 572/ BS EN 10025 with 350MPa min. yield. Plates are cut, folded and welded using a sub-arc automatic machine to form a polygonal section. Silicon content of the steel shall be less than 0.06 % to provide a good galvanizing finish. No circumferential welded joints are provided in individual sections. The welding is in accordance with AWS. The mast is provided with fully penetrated flange, which is free from any lamination or incursion. For the environmental protection of the mast, the entire fabricated mast is single hot dip galvanised, internally and externally as per ASTM A 123 AND 153.

The mast is delivered in multiple sections of length up to 16 meters so a 30m mast can be delivered in two

sections. At site the sections are joined together by slip-stressed-fit method. The minimum over lap distance is 1.5 times the outside diameter of the top section. The top/bottom diameters and plate thickness of the mast are designed as per CP3/IS 875 and TR No 7. The design life of the

mast is a minimum of 25 years.

Door opening is provided at the base of the mast to access winches, cables and plug & socket, etc. The door opening is provided with a close fitting, vandal resistant and weatherproof door. It is provided with a heavy-duty double internal lock with special paddle key



LEGENDS	
A	TOP A/F
B	BOTTOM A/F
C	TOP SECTION
D	MIDDLE SECTION
E	BOTTOM SECTION
F	MAST HEIGHT

structures to meet the most demanding requirements worldwide.



Cable and Cable Connections

Multi core, flexible, round and sheathed power cable(s) provided with metal or PVC cased plug and socket with guard ring terminates in the base compartment. At the mast head cable is connected through suitable PVC gland to weather proof junction box fitted on lantern ring.

One circuit of 5Cx2.5 sq mm cable is provided for every 8.5 KW load.

Earthing Terminals & Lighting finials

Suitable earth terminal using 12 mm diameter stainless steel bolts are provided at a convenient location or at the base of the mast.

Control Panel

Provided with a control panel fabricated out of 14/16 SWG CRCA sheet comprising incoming MCB isolator, copper wiring, and suitable lining contactor.

Foundation Bolts

High tensile hot dip galvanized holding down bolts are supplied complete with anchor plate for casting into the foundation. A precision made steel template with precise holes to ensure correct vertical and horizontal bolt alignment is also provided.

Top Pulley Assembly

The pulleys are of large diameter, appropriate to the multicore flexible cable being used. They are of non-corroding material and run on self-lubricating bearings with stainless steel spindles. Arrangements are provided to ensure that the electric cables and steel wire ropes are separated before passing over their pulleys to prevent ropes and cables leaving the pulley's grooves.

The pulleys are housed in a chassis integral with a sleeve, which slips over the top of the mast and is secured axially and in azimuth. Guides and stops are provided for docking the lantern carriage. For 2 or 3-point suspension carriage, an anchor point is securely welded to the assembly to receive the safety maintenance equipment wherever relevant. The complete chassis assembly is hot dip galvanized after lubrication. A weather proof hot dip galvanized canopy protects the pulley assembly.

Winches

Winches are completely self-sustaining without the need for brakes, spring or clutches which require adjustment or which can be affected by moisture or lubricant. The gear ratio is 53:1. The winches are self-lubricating by means of an oil bath and recommended lubricant only is used. A suitable high-powered, electrically driven, internally mounted power tool, with manual override may be supplied for the raising and lowering of the lantern carriage.

Stainless Steel Wire Ropes

Steel Wire ropes are flexible marine grade (ATSI 316) and of stainless steel 7/19 construction. Thimbles and terminals are of compatible materials.

Winch Driving Power Tools

The power tool is a single or 3 phase, single speed, heavy-duty type electric motor having a special driving shaft for transmitting torque to winch gearbox. A remote control switch with suitable length of cable allows the equipment to operate from a distance.

Arrangements are provided to support the power tool accurately and securely during its operation. Separate handle is also provided for manual operation of the winch.



[illegible]

OCTAGONAL POLE

Transpower designs and manufactures a wide range of octagonal poles, for primary use as street lighting poles. Products are fabricated using premium quality raw material and are customized to client's specification.

Transpower can supply masts with conventional raising or lowering head frame systems, by external ladder or even internal access. Transpower Industries Octagonal Poles come with a large range of platforms and a choice of flood lighting brackets.

The poles are manufactured from tapered polygonal sections, which are slipped together at site and so maintenance of close tolerances and straightness are thrust areas. They come ready as flange-plated, galvanized and custom designed.



Transpower uses high strength sheet steel and can produce single-piece poles up to a length of 14 meters. The two shell halves are welded together with advanced systems and with automatic sigma machines. The octagonal poles shafts are continuously tapered with single longitudinal welding & no circumferential weld. The manufacturing facilities available allows production of single section of length up to 14 meters, which can be galvanized through single dip process at the company's in-house sophisticated galvanizing facilities, and guarantees great corrosion resistance. X-ray, ultrasound, and surface-crack inspections ensure top material quality and help maximize the life of Transpower Poles & Masts

Material used are based on the following standards

Octagonal Poles HT Steel Conforming to grade S355JO or equivalent

Base Plate Fe 410 conforming to IS 226 / IS 2062

Foundation Bolts EN.8 grade



Design

The Octagonal Poles are designed to withstand maximum wind speed as specified in IS 875. The top loading area and the weight of fixtures are considered while calculating the maximum deflection of the pole and to meet the requirement of BS: 5649 Part VI 1982.

Pole Shaft

The pole shafts have octagonal cross section and are continuously tapered with single longitudinal welding. There is no circumferential welding. The welding of pole shaft is done by Submerged Arc Welding (SAW) process. They are provided with rigid flange plate of suitable thickness with provision for fixing 4 foundation bolts. This base plate is fillet welded to the pole shaft from inside and outside. The welding is done by MMAW process.

Door opening

The octagonal Poles have a door of approximate 500 mm length at the elevation of 500 mm from the Base plate. The door is vandal resistant and weather proof to ensure safety of internal connections. The door is flush with the exterior surface and has suitable locking arrangement. There is also a suitable arrangement for earthing. The poles are adequately strengthened at the location of the door.



OCTAGONAL POLE - Technical Data Specifications

Pole Type	Height	Top Dia (A/F) (mm)	Bottom Dia (A/F) (mm)	Sheet Thickness (mm)	Base Plate Dimension (Lx B x T)	Foundation Bolt Bolt Size	Pitch Circle Dia.(PCD) (mm)	Bolt Length (mm)	Projected bolt length(mm)	Anchor Plate Thickness (mm)
TSI-30 OP	3	70	130	3	200 x 200x 12	4 x 16	200	450	80	3
TSI-40 OP	4	70	130	3	200 x 200x 12	4 x 16	200	450	80	3
TSI-50 OP	5	70	130	3	200 x 200x 12	4 x 16	200	600	80	3
TSI-60 OP	6	70	130	3	220 x 220x 12	4 x 20	205	600	100	3
TSI-70 OP	7	70	130	3	220 x 220x 12	4 x 20	205	700	100	3
TSI-80 OP	8	70	135	3	225x2225x16	4 x 20	210	750	100	3
TSI-90 OP	9	70	155	3	260x260 x 16	4 x 24	250	750	125	4
TSI-1030	10	70	175	3	275 x 275 x 16	4 x 24	270	750	125	4
TSI-11 OP	11	90	210	3	300 x300 x20	4 x 24	300	750	125	5
TSI-12 OP	12	90	240	3	320 x 320 x 20	4 x 24	325	850	125	5



SWAGED POLE

TSI manufactures all kinds of poles at its well equipped plant which features machinery like Hydraulic Swaging machines, Straightening and Welding Machines and has facilities to produce poles up to the length of 16 meters & thickness up to 8 mm. Customization is also done as per a customer's specifications.

Swaged Poles include Light Poles in single hang & double hang, Street Light Poles, Traffic Light Poles etc., and are made of ERW tubes of suitable lengths swaged and joined together.

Advantages

The TSI team of veterans in the steel pole business utilizes their individual and collective experience and knowledge along with plant & equipment to effectively complete any job within a customers' deadline, no matter what the design challenge. The following are the advantages of TSI Poles

- ❖ Zero maintenance – no pole fires, insect infestation or pole rot
- ❖ Weighs 50-70% less than comparable concrete structures
- ❖ Custom designs – made to customer's exact specifications
- ❖ Lasts longer - steel poles can last as long as 85 years with no shrinkage
- ❖ No copper wire grounding required
- ❖ Fully recyclable and non-toxic
- ❖ Custom finished to your specification
- ❖ Steel Pipes manufactured as per ASTM specification
- ❖ Capable of galvanizing all sizes of poles in Single Dip (Plant size: 14.1 m length x 1.1 m width)

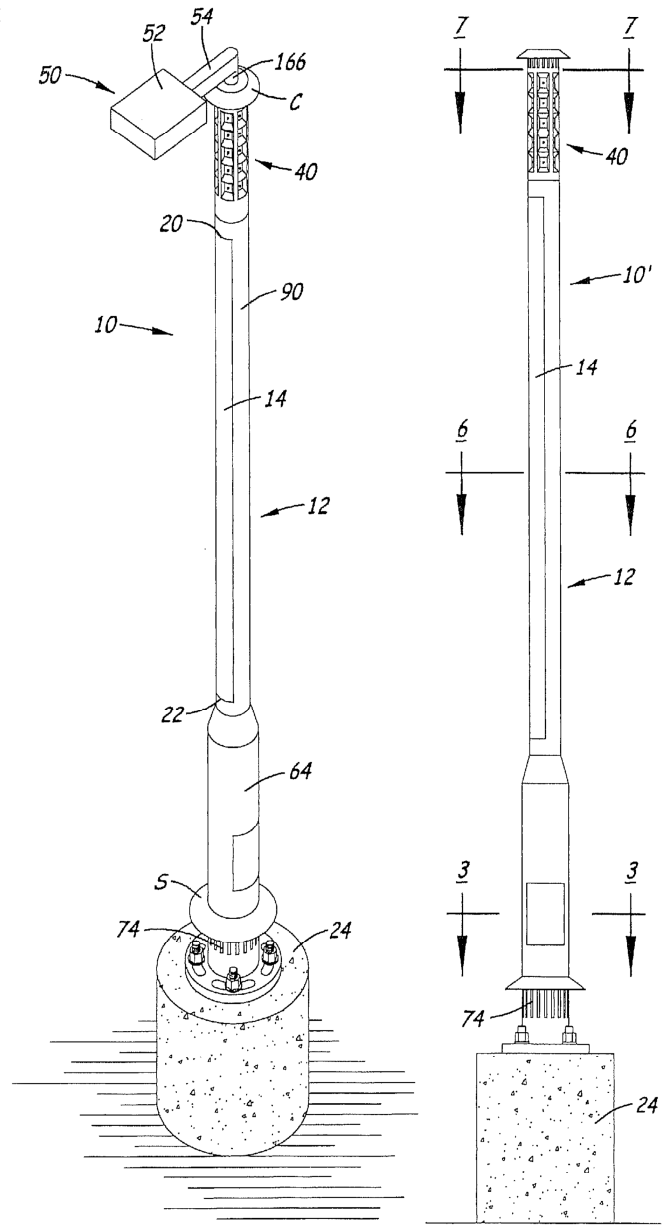


Fig. 1

Fig. 2



SWAGED TYPE STEEL TUBULAR POLES 410 - SP - MPA

Designation	Overall Length (m)	Length of Sections			Outside Diameter and Thickness of Section			Approx. Weight of Pole
		Bottom (m)	Middle (m)	Top (m)	Bottom (mm)	Middle (mm)	Top (mm)	
410-SP1	7.00	4.00	1.50	1.50	114.3x3.65	88.9x3.25	76.1x3.25	62
410-SP2	7.00	4.00	1.50	1.50	114.3x4.50	88.9x4.05	76.1x3.25	73
410-SP3	7.00	4.00	1.50	1.50	114.3x5.40	88.9x4.85	76.1x3.25	85
410-SP4	7.50	4.50	1.50	1.50	114.3x3.65	88.9x3.25	76.1x3.25	67
410-SP5	7.50	4.50	1.50	1.50	114.3x4.50	88.9x4.05	76.1x3.25	79
410-SP6	7.50	4.50	1.50	1.50	114.3x5.40	88.9x4.85	76.1x3.25	93
410-SP7	7.50	4.50	1.50	1.50	139.7x4.50	114.3x3.65	88.9x3.25	97
410-SP8	7.50	4.50	1.50	1.50	139.7x4.85	114.3x3.65	88.9x3.25	103
410-SP9	7.50	4.50	1.50	1.50	139.7x5.40	114.3x3.65	88.9x3.25	110
410-SP10	8.00	4.50	1.75	1.75	114.3x3.65	88.9x3.25	76.1x3.25	70
410-SP11	8.00	4.50	1.75	1.75	114.3x4.50	88.9x4.05	76.1x3.25	83
410-SP12	8.00	4.50	1.75	1.75	114.3x5.40	88.9x4.85	76.1x3.25	97
410-SP13	8.00	4.50	1.75	1.75	139.7x4.50	114.3x3.65	88.9x3.25	101
410-SP14	8.00	4.50	1.75	1.75	139.7x4.85	114.3x4.50	88.9x3.25	111
410-SP15	8.00	4.50	1.75	1.75	139.7x5.40	114.3x4.50	88.9x3.25	119
410-SP16	8.50	5.00	1.75	1.75	114.3x3.65	88.9x3.25	76.1x3.25	75
410-SP17	8.50	5.00	1.75	1.75	114.3x4.50	88.9x4.05	76.1x3.25	89
410-SP18	8.50	5.00	1.75	1.75	114.3x5.40	88.9x4.85	76.1x3.25	104
410-SP19	8.50	5.00	1.75	1.75	139.7x4.50	114.3x3.65	88.9x3.25	109
410-SP20	8.50	5.00	1.75	1.75	139.7x4.85	114.3x3.65	88.9x3.25	115
410-SP21	8.50	5.00	1.75	1.75	139.7x5.40	114.3x4.50	88.9x3.25	129
410-SP22	8.50	5.00	1.75	1.75	165.1x4.50	139.7x4.50	114.3x3.65	141
410-SP23	8.50	5.00	1.75	1.75	165.1x4.85	139.7x4.50	114.3x3.65	148
410-SP24	8.50	5.00	1.75	1.75	165.1x5.40	139.7x4.50	114.3x3.65	158
410-SP25	9.00	5.00	2.00	2.00	114.3x3.65	88.9x3.25	76.1x3.25	78
410-SP26	9.00	5.00	2.00	2.00	114.3x4.50	88.9x4.05	76.1x3.25	92
410-SP27	9.00	5.00	2.00	2.00	114.3x5.40	88.9x4.85	76.1x3.25	108
410-SP28	9.00	5.00	2.00	2.00	139.7x4.50	114.3x3.65	88.9x3.25	113
410-SP29	9.00	5.00	2.00	2.00	139.7x4.85	114.3x4.50	88.9x3.25	125
410-SP30	9.00	5.00	2.00	2.00	139.7x5.40	114.3x4.50	88.9x3.25	133
410-SP31	9.00	5.00	2.00	2.00	165.1x4.50	139.7x4.50	114.3x3.65	147
410-SP32	9.00	5.00	2.00	2.00	165.1x4.85	139.7x4.50	114.3x3.65	154
410-SP33	9.00	5.00	2.00	2.00	165.1x5.40	139.7x4.50	114.3x3.65	164
410-SP34	9.50	5.00	2.25	2.25	139.7x4.50	114.3x4.50	88.9x3.25	122
410-SP35	9.50	5.00	2.25	2.25	139.7x4.85	114.3x4.50	88.9x3.25	129
410-SP36	9.50	5.00	2.25	2.25	139.7x5.40	114.3x4.50	88.9x3.25	137
410-SP37	9.50	5.00	2.25	2.25	165.1x4.50	139.7x4.50	114.3x3.65	153
410-SP38	9.50	5.00	2.25	2.25	165.1x4.85	139.7x4.50	114.3x3.65	160
410-SP39	9.50	5.00	2.25	2.25	165.1x5.40	139.7x4.50	114.3x3.65	170
410-SP40	10.00	5.20	2.40	2.40	139.7x4.50	114.3x4.50	88.9x3.25	128

SWAGED TYPE STEEL TUBULAR POLES 410 - SP - MPA

Designation	Overall Length (m)	Length of Sections			Outside Diameter and Thickness of Section			Approx. Weight of Pole
		Bottom (m)	Middle (m)	Top (m)	Bottom (mm)	Middle (mm)	Top (mm)	
410-SP41	10.00	5.20	2.40	2.40	139.7x4.85	114.3x4.50	88.9x3.25	135
410-SP42	10.00	5.20	2.40	2.40	139.7x5.40	114.3x4.50	88.9x3.25	144
410-SP43	10.00	5.20	2.40	2.40	165.1x4.50	139.7x4.50	114.3x3.65	160
410-SP44	10.00	5.20	2.40	2.40	165.1x4.85	139.7x4.50	114.3x3.65	168
410-SP45	10.00	5.20	2.40	2.40	165.1x5.40	139.7x4.50	114.3x3.65	178
410-SP46	10.00	5.20	2.40	2.40	193.7x4.85	165.1x4.50	139.7x4.50	208
410-SP47	10.00	5.20	2.40	2.40	193.7x5.40	165.1x4.50	139.7x4.50	221
410-SP48	10.00	5.20	2.40	2.40	193.7x5.90	165.1x4.50	139.7x4.50	233
410-SP49	11.00	5.60	2.70	2.70	139.7x4.50	114.3x4.50	88.9x3.25	140
410-SP50	11.00	5.60	2.70	2.70	139.7x4.85	114.3x4.50	88.9x3.25	147
410-SP51	11.00	5.60	2.70	2.70	139.7x5.40	114.3x5.40	88.9x3.25	164
410-SP52	11.00	5.60	2.70	2.70	165.1x4.50	139.7x4.50	114.3x3.65	175
410-SP53	11.00	5.60	2.70	2.70	165.1x4.85	139.7x4.50	114.3x3.65	183
410-SP54	11.00	5.60	2.70	2.70	165.1x5.40	139.7x4.50	114.3x3.65	194
410-SP55	11.00	5.60	2.70	2.70	193.7x4.85	165.1x4.50	139.7x4.50	227
410-SP56	11.00	5.60	2.70	2.70	193.7x5.40	165.1x4.50	139.7x4.50	241
410-SP57	11.00	5.60	2.70	2.70	193.7x5.90	165.1x4.85	139.7x4.50	256
410-SP58	12.00	5.80	3.10	3.10	165.1x4.50	139.7x4.50	114.3x3.65	186
410-SP59	12.00	5.80	3.10	3.10	165.1x4.85	139.7x4.50	114.3x3.65	197
410-SP60	12.00	5.80	3.10	3.10	165.1x5.40	139.7x4.50	114.3x3.65	208
410-SP61	12.00	5.80	3.10	3.10	193.7x4.85	165.1x4.50	139.7x4.50	245
410-SP62	12.00	5.80	3.10	3.10	193.7x5.40	165.1x4.50	139.7x4.50	259
410-SP63	12.00	5.80	3.10	3.10	193.7x5.90	165.1x4.85	139.7x4.50	277
410-SP64	12.00	5.80	3.10	3.10	219.1x4.85	193.7x4.85	165.1x4.50	292
410-SP65	12.00	5.80	3.10	3.10	219.1x5.60	193.7x4.85	165.1x4.50	313
410-SP66	12.00	5.80	3.10	3.10	219.1x5.90	193.7x4.85	165.1x4.50	322
410-SP67	13.00	5.80	3.60	3.60	193.7x4.85	165.1x4.50	139.7x4.50	261
410-SP68	13.00	5.80	3.60	3.60	193.7x5.40	165.1x4.85	139.7x4.50	281
410-SP69	13.00	5.80	3.60	3.60	193.7x5.90	165.1x5.40	139.7x4.50	302
410-SP70	13.00	5.80	3.60	3.60	219.1x4.85	193.7x4.85	165.1x4.50	312
410-SP71	13.00	5.80	3.60	3.60	219.1x5.60	193.7x4.85	165.1x4.50	333
410-SP72	13.00	5.80	3.60	3.60	219.1x5.90	193.7x4.85	165.1x4.50	343
410-SP73	14.50	6.50	4.00	4.00	193.7x5.40	165.1x4.85	139.7x4.50	312
410-SP74	14.50	6.50	4.00	4.00	193.7x5.90	165.1x5.40	139.7x4.50	336
410-SP75	14.50	6.50	4.00	4.00	219.1x5.60	193.7x4.85	165.1x4.50	370
410-SP76	14.50	6.50	4.00	4.00	219.1x5.90	193.7x4.85	165.1x4.50	380
410-SP77	16.00	7.00	4.50	4.50	193.7x5.40	165.1x4.85	139.7x4.50	341
410-SP78	16.00	7.00	4.50	4.50	193.7x5.90	165.1x5.40	139.7x4.50	367
410-SP79	16.00	7.00	4.50	4.50	219.1x5.60	193.7x4.85	165.1x4.50	405
410-SP80	16.00	7.00	4.50	4.50	219.1x5.90	193.7x4.85	165.1x4.50	416

CONICAL POLE

In our extensive range of products, we also offer our esteemed clients a broad array of Conical Poles. These poles are manufactured using quality assured steel that is procured from trusted vendors of the market with the help of latest technology. Our offered poles are provided with hollow polygonal poles having closely circular cross section at both ends and mainly used for street, roadways, pedestrian lightning purpose. Further, these Conical Poles are available in various specifications as per our client's requirement at market leading prices.

Application:

- ❖ CCTV System
- ❖ Flag Holder
- ❖ Exterior Hi-Bay Lighting
- ❖ Traffic Light and Sign

The full and deep knowledge of poles manufacturing process and product features make TSI leader on the world for such pole typology automatic production line.

TSI developed during all these years of experience machines and solutions to produce such poles with high quality, reliability, high production rate making system very flexible to match the market target.

For the above products TSI supply the following machines:

- ❖ Plasma cutting machine for trapezium preparation (starting by sheet);
- ❖ Cut to length line for trapezium preparation (starting by coils);
- ❖ Synchronized press brake for trapezium bending, using special machine and dies for round conical poles;
- ❖ Automatic feeding system for the automatic trapezium management under the tress brake and for trapezium marking;
- ❖ Single shell welding machine for shell welding and automatic straightening;
- ❖ Lighting pole finishing line for automatic operation of plasma door opening, base plate welding, drilling and nuts welding.

TSI can support the manufacturing companies to make the best choice in term of the best technological solution at reasonable and custom investment level.



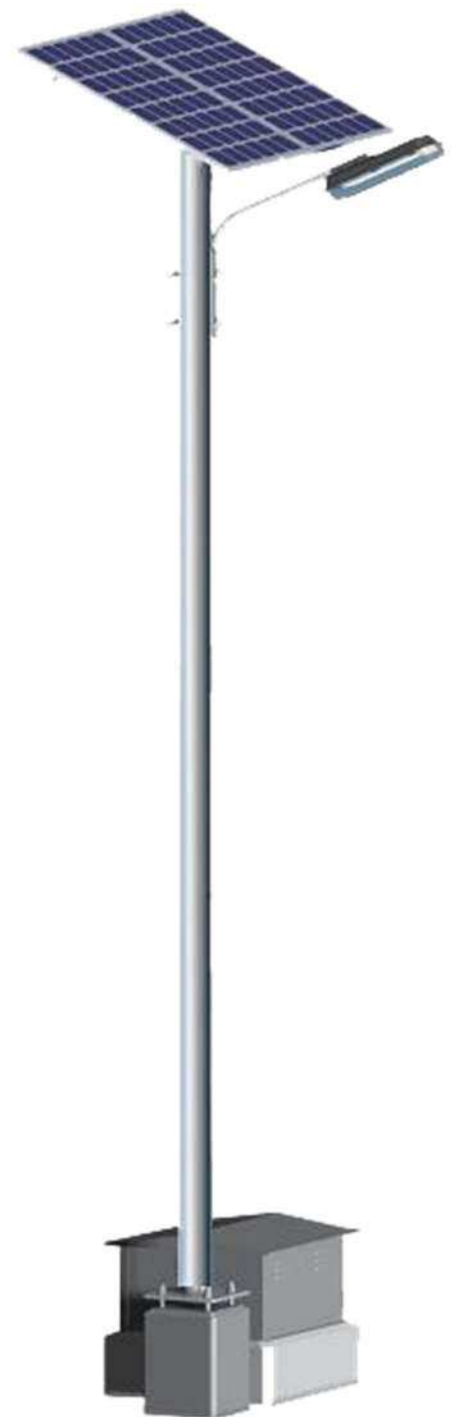
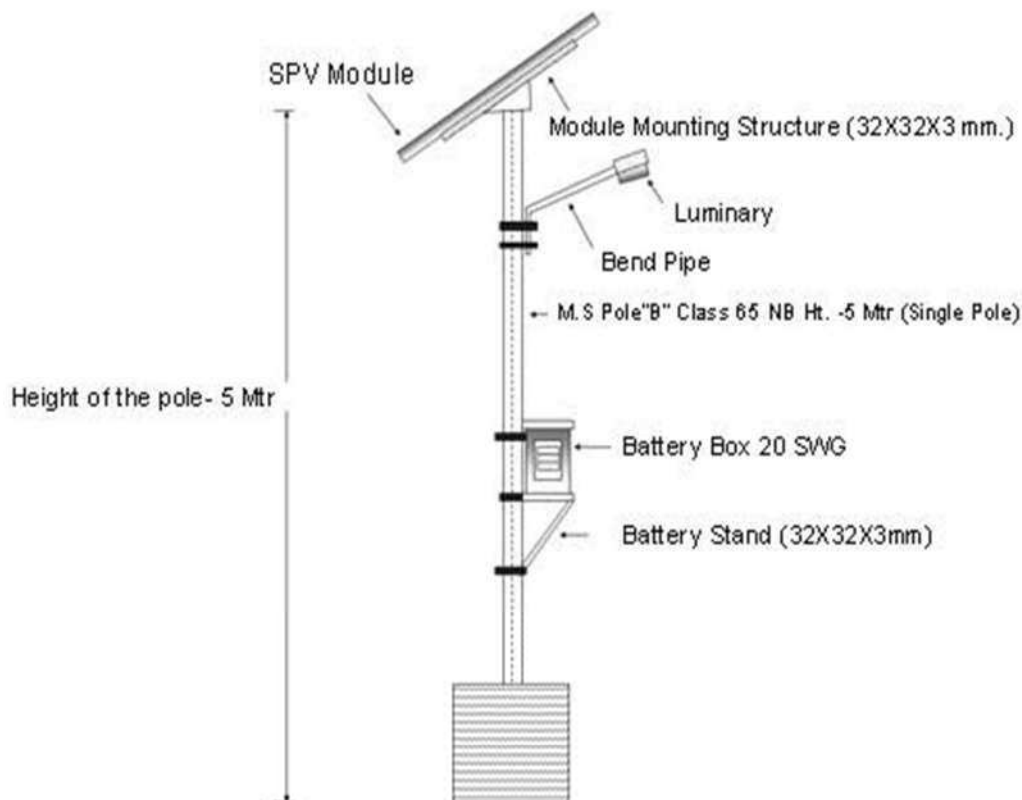
SOLAR LIGHT POLE

Utilizing the modern technology and latest machinery, we bring forth the wide array of Solar street light post. It is widely demanded by our clients for its excellent design and durability. The offered light post available in various specifications, as per the requirements of our esteemed clients. Premium quality raw material is used by the professionals, along with contemporary production equipment to manufacture our offered light post. Clients can avail this Solar street light post from us at market leading price.

Features:

- ❖ Accurate dimensions
- ❖ Corrosion resistance
- ❖ Easy installation
- ❖ Durability

To cater to the rising demands and requirements of our clients, we come with superlative quality Street Light Pole. Manufactured using advanced technology, the offered product is assured of premium quality. Easy to install and to maintain, the entire range of street light poles offered by us has amassed words of intense praise among our respected clients.



SPECIFICATIONS	LED street lighting				CFL street lighting	
	200LS	300LS	400LS	750LT	350CS	600CS
Type of lamp	LED	LED	LED	LED	CFL	CFL
Lamp (WxQty.)	7x1	12x1	15x1	30x1	11x1	11x2
PV array wattage (WpxQty.)	35x1	65x1	80x1	75x2	75x1	60x2
Battery (Ah)	40	60	75	150	75	100
Pole height (m)	4	4	4	6	4	4
Light output (lumens)	630	1080	1350	2700	900	1800
Recommended hours of charging at full sun shine (1kW/m2 irradiance) for daily usage of 12 hours*	5	4.5	4.5	5	3.5	4.5
Maximum autonomy days, assuming 12 hours of usage per day (days)	3	3	3	3	4	3
Maximum continuous back up (hours)	45	40	40	40	56	36
Diameter spread on ground (m)	5	5	5	8	5	5
Savings per year as compared to a grid based system (RS)**	2,470	3,310	4,950	9,920	2,470	4,950



Clientele

TRANSPower®
SWITCHGEAR INDUSTRIES
AN ISO CERTIFIED COMPANY



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