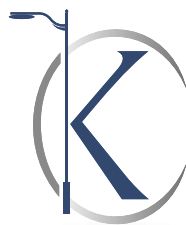


Stand for  
*Showing*  
**Path**



**KISMAT**  
EngiTech LLP

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[www.kismatengitech.com](http://www.kismatengitech.com)

# A Bit About us:

Over 30 years have passed since the beginning of **Kismat** EngiTech LLP in Rajkot, Gujarat , INDIA. We apparently started with tubular poles, expanded with octagonal and conical poles in 2012 and presented all variables as from 2014. Since 1991, we have been one of India's leading suppliers of Tubular Swaged poles, especially in Gujarat, in both governmental and non-governmental entities.

Being one of Gujarat's leading manufacturers we have become synonymous with consistency across our broad product selection for different applications. Our collection of solutions includes: Tubular swaged poles, octagonal poles, conical round poles, high-mast poles and many more. In 2015 start manufacturing of Industrial Cable Trays in 2018 invested in Hot Dip Galvanized processing unit and developed in house Solar Structure, Crash Barriers, Galvanized Earthing Materials, Transmission Tower Line and provide galvanizing service.

“**KISMAT**” deeply value our dedication to:

- High quality
- outstanding customer service
- Meaningful and strategic relationship with customers.
- End-to-end service through our product design creativity approach, ever growing portfolio and powerful logistics support.

With the immense expertise acquired over the years by the business management, we promise that you will be provided with all the best solutions for your designs, along with top-notch presale and later service to insure that your entire goal is achieved.





# Our Policy

## Maintaining consistency and assurance

Performance is one of the most significant considerations taken into account from the beginning of the early stage, starting with the preparation of the order for the client and ending with the project completion. Step-by - step checks are carried out to test the requirements in compliance with international standards and tolerances.

We manufacture lighting poles in different variants, high mast pole other steel products that are:

- Steel Tubular Swaged poles as per - IS: 2713 (Part: II)-1980 we make all types of poles.
- Octagonal street light poles with Hot dip Galvanizing to any required length (As per specification).
- Conical round street light poles with Hot dip Galvanizing.
- High-Mast Pole starting from (9 mtrs up to depend on customer requirement)
- Solar High-mast Light pole based on specified drawing.
- CCTV camera & Gantry poles based on drawing.
- Industrial Cable Trays based on stranded size and requirement.
- Solar Structure with Hot dip Galvanizing.
- Crash Barrier standard W Beam and Thrie Beam of Barrier.

## Design

**Kismat** EngiTech LLP constructed in compliance with the BS EN 40 standard taking into account all relevant parameters, such as wind speed and luminaries size.

## Hot dip galvanizing (IS 2629/4759)

- Prevention of corrosion is an important consideration for the economical use of steel. Hot dip galvanizing in most steel products offers the perfect protection against steel corrosion. No other competitive coating matches galvanizing special combination of low first cost inspection facility for coating consistency, low-maintenance longevity and mechanical impact resistance.
- Galvanizing offers an unusually longer duration of abrasion resistant coating. No other protective coating can match this unique process.
- As galvanizing requires zinc coating at a substantial low cost and relatively high negligible long-term maintenance, it is considered the most effective coating today. The galvanized coating is part of the steel sheet, as it forms a layer of zinc-iron alloy and a material boundary to the base steel.
- Relative to other traditional coatings, the corrosion rate is highly noticeable.
- Galvanizing does not affect the mechanical properties that are usually galvanized.



# OCTAGONAL / POLYGONAL POLES

**KISMAT** offers a wide range of octagonal/ polygonal poles, customized as per client requirements that are used for outdoor illumination, power distribution, road and construction, surveillance and smart pole application. Manufactured conforming to IS Standards, we offer poles between 3 Mtrs to any size as per customer specifications and design requirements. Such poles are usually galvanized hot dip after production, both internally and externally according to IS-2629 / BSEN ISO 1461 or equivalent.

Lighting poles are crafted using updated technology CNC & PLC operated machine with minimum manual handling needed using first class steel mill raw materials.



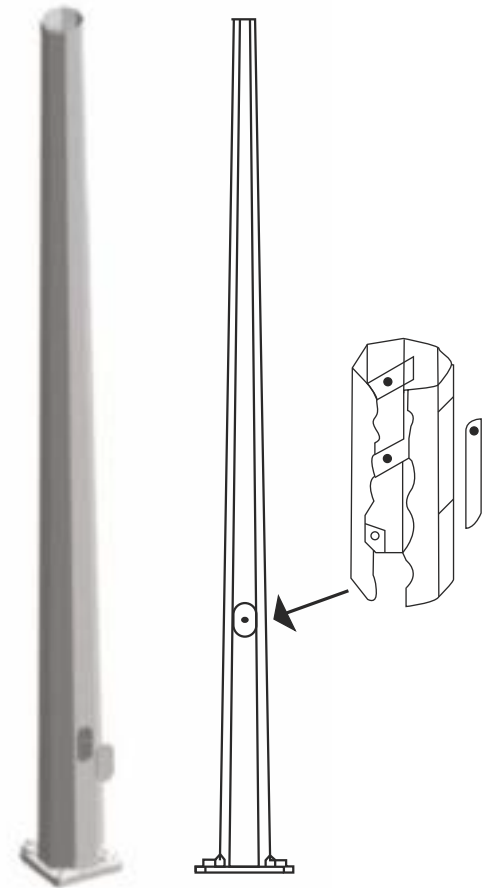
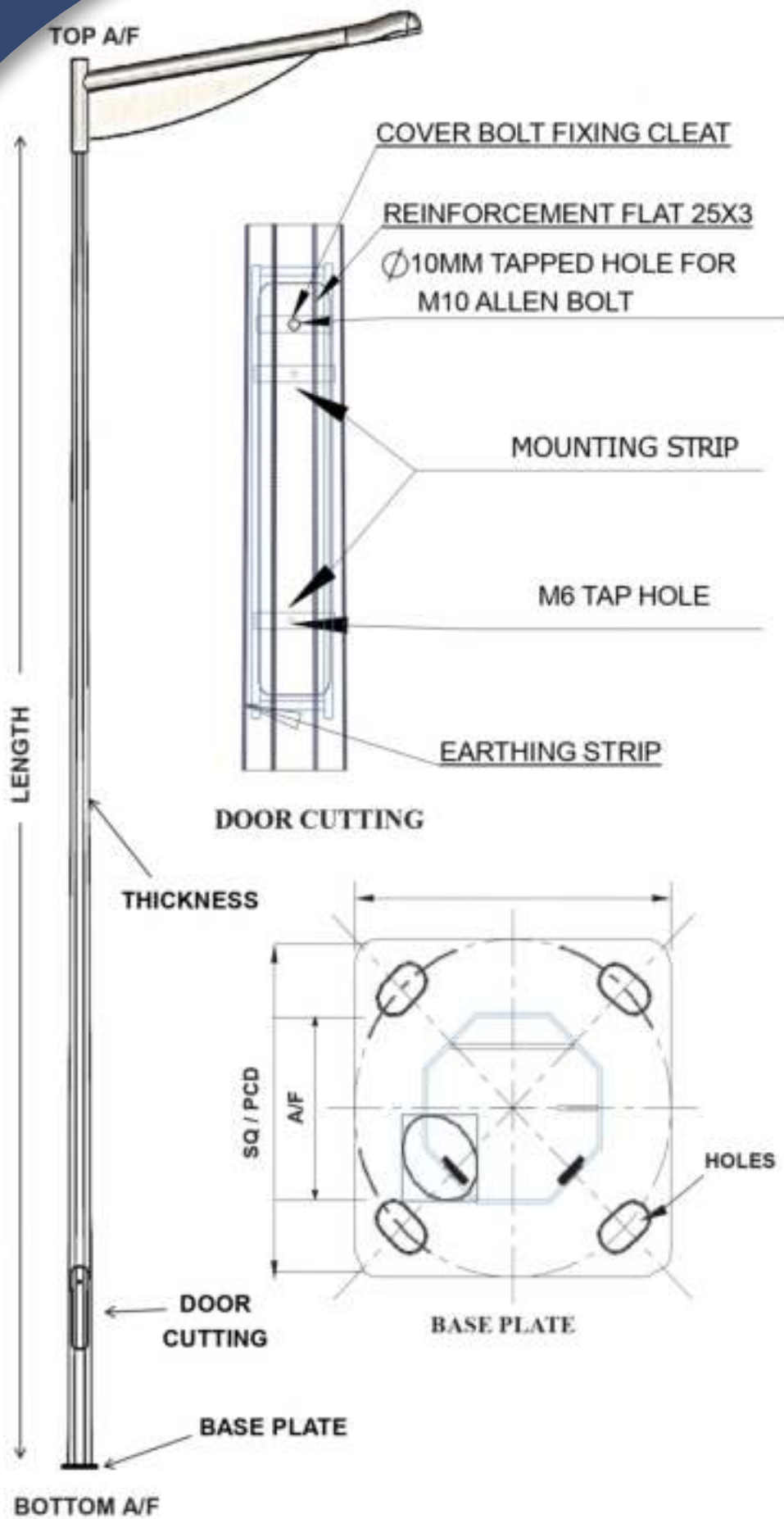
## Manufacturing Specifications

<b>MATERIAL</b>	<b>High tensile sheet equivalent to BSEN 10025:2004/IS 2062:2011 Gr. E355BR</b>
BASE PLATE	MS Plate as per IS 2062:2011 Gr. E250A
FOUNDATION BOLT	IS 1367:1994
GALVANIZING	As Per IS 4759:1996/IS 2629:1985
WIND SPEED	As per IS 875 (Part-3):2015/As per customer requirement
DESIGN SAFETY FACTOR	As per ILE TR 7:2000
TOLERANCES	As per BS 5649 : 1978

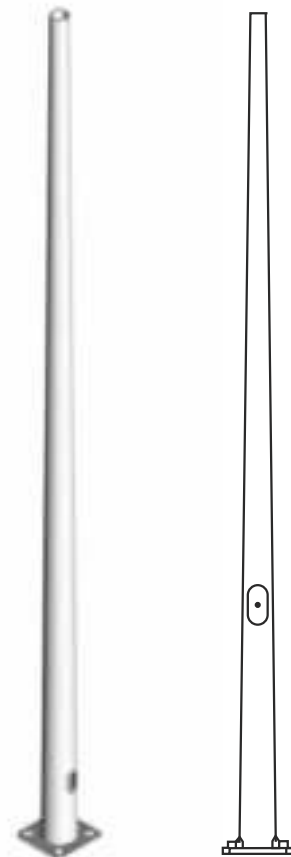
## Specification

POLE TYPE	HEIGHT	THICKNESS	TOP A/F	BOT A/F	BASE PLATE	PCD	FOUNDATION BOLT	DOOR LENGTH (OPENING)
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
KOP-3030	3000	3	70	135	200 X 200 X 12	200	M16 X 450	370
KOP-4030	4000	3	70	135	200 X 200 X 12	200	M16 X 450	370
KOP-5030	5000	3	70	135	220 X 220 X 12	220	M16 X 600	370
KOP-6030	6000	3	70	135	220 X 220 X 12	220	M20 X 600	420
KOP-7030	7000	3	70	135	220 X 220 X 12	220	M20 X 700	420
KOP-8030	8000	3	70	135	225 X 225 X 16	225	M20 X 700	420
KOP-9030	9000	3	70	155	260 X 260 X 16	260	M24 X 750	500
KOP-1030	10000	3	70	175	275 X 275 X 16	275	M24 X 750	500
KOP-1031	10000	3	70	200	300 X 300 X 20	300	M24 X 750	500
KOP-1130	11000	3	90	210	320 X 320 X 20	320	M24 X 750	500
KOP-1230	12000	3	90	240	320 X 320 X 20	320	M24 X 850	500





**OCTAGONAL POLES**



**CONICAL POLES**



## CONICAL POLES

**KISMAT** offers a wide range of conical poles, customised as per client requirements that are used for outdoor illumination, power distribution, solar, surveillance and smart pole application. Manufactured conforming to IS Standards, we offer poles between 3 Mtrs to any size as per customer specifications and design requirements.

### Manufacturing Specifications

MATERIAL	High tensile sheet equivalent to BSEN 10025:2004/IS 2062:2011 Gr. E355BR
BASE PLATE	MS Plate as per IS 2062:2011 Gr. E250A
FOUNDATION BOLT	IS 1367:1994
GALVANIZING	As Per IS 4759:1996/IS 2629:1985
WIND SPEED	As per IS 875 (Part-3):2015/As per customer requirement
DESIGN SAFETY FACTOR	As per ILE TR 7:2000
TOLERANCES	As per BS 5649 : 1978
TAPER	11mm/m

### Specification

POLE TYPE	HEIGHT	THICKNESS	TOP A/F	BOT A/F	BASE PLATE	PCD	FOUNDATION BOLT	DOOR LENGTH (OPENING)
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
KCP-3030	3000	3	70	100	200 X 200 X 12	200	M16 X 450	500
KCP-4030	4000	3	70	108	200 X 200 X 12	200	M16 X 450	500
KCP-5030	5000	3	70	119	200 X 200 X 12	200	M16 X 450	500
KCP-6030	6000	3	70	130	220 X 220 X 12	220	M20 X 600	500
KCP-7030	7000	3	70	130	220 X 220 X 12	220	M20 X 600	500

# HIGH MAST POLES



A lot of places in this world are operating 24 /7. High-mast lighting is essential to ensuring protection, productivity and performance in those areas.

**KISMAT** offers a wide range of High Mast poles, customized as per client requirements that are used for roadways, ports and other industrial area lighting, stadium lighting, flag mast. Manufactured conforming to IS Standards and can withstand wind speed as per IS 875 (P-3):2015.



## Manufacturing Specifications

MATERIAL	High tensile sheet equivalent to BSEN 10025:2004/IS 2062:2011 Gr.E355BR
BASE PLATE	MS Plate as per IS 2062:2011 Gr. E250A
FOUNDATION BOLT	IS 1367:1994
GALVANIZING	As Per IS 4759 : 1996 / IS 2629 : 1985
WIND SPEED	As per IS 875 (Part3):2015/As per customer requirement
MOTOR	As per IS 325:1996 (3PH A.C., 415V, 4/6 Pole, 1HP to 3HP)
WINCH	350KGS, 500 KGS, 750 KGS & 850 KGS
WIRE ROPE	Stainless Steel 6MM, 8MM, AISI 316, 7/19 Construction.
PULLEY	LM 6 with Self-lubricating PB bush.
HARDWARE	Stainless Steel
FEEDER PILLAR BOX	Feeder Pillar Box: As per customer requirement



# HIGH MAST POLES

A lot of places in this world are operating 24/7. High-mast lighting is essential to ensuring protection, productivity and performance in those areas.

**KISMAT** offers a wide range of High Mast poles, customized as per client requirements that are used for roadways, ports and other industrial area lighting, stadium lighting, flag mast. Manufactured conforming to IS Standards and can withstand wind speed as per IS 875 (P-3):2015.



## Specification

HIGH MAST	Height ( Mtrs)	Bottom A/F	Top A/F	Plate thickness	Base Plate	PCD	Foundation Bolt	Luminary Capacity**				
		(mm)	(mm)	(mm)	(mm)	(mm)		55m/s	50m/s	47m/s	44M/S	39m/s
KHP009	9	310	100	3	450 x 20	385	M24/750X4	6	6	6	6	6
KHP011	11	310	100	3	450 x 25	385	M24/750X4	6	6	6	6	6
KHP012	12	310	100	3	450 x 25	385	M24/750X4	6	6	6	6	6
KHP012.5L	12.5	360	100	3	520 x 25	445	M24/750X4	8	9	9	9	9
KHP012.5M	12.5	360	150	3	520 x 25	445	M24/750X4	8	9	9	9	9
KHP016L	16	360	150	3	520 x 25	445	M24/750X6	NA	8	8	8	8
KHP016M	16	410	150	3	570 x 25	490	M30/850X8	6	9	12	12	18
KHP016M1	16	410	150	3	570 x 25	490	M30/850X8	16	18	18	18	18
KHP016S1	16	460	150	3	670 x 25	590	M30/850X8	18	18	24	24	24
KHP020L	20	360	150	3	520 x 25	445	M30/850X6	NA	NA	NA	NA	9
KHP020M	20	410	150	3	570 x 25	490	M30/850X8	NA	8	9	9	18
KHP020M1	20	410	150	3	570 x 25	490	M30/850X8	8	12	16	16	18
KHP020S	20	460	150	3	670 x 25	590	M30/850X8	6	9	12	12	24
KHP020S1	20	460	150	3	670 x 25	590	M30/850X8	12	16	18	18	24
KHP025L	25	460	150	3	670 x 30	590	M30/850X12	6	9	12	12	18
KHP025L1	25	460	150	3	670 x 30	590	M30/850X12	8	12	12	12	18
KHP025S	25	540	150	3	730 x 32	650	M30/850X12	18	24	24	24	24
KHP030L	30	460	150	3	730 x 32	590	M30/850X12	NA	6	6	6	12
KHP030M	30	540	150	3	730 x 32	650	M30/850X12	8	12	12	12	24
KHP030M1	30	540	150	3	730 x 32	650	M30/850X12	8	12	16	16	24
KHP030M2	30	610	150	3	840 x 32	740	M30/850X12	12	18	18	18	24
KHP030M3	30	610	150	3	840 x 32	740	M30/850X12	12	18	18	18	24
KHP030S	30	610	150	3	840 x 32	740	M30/850X12	16	18	18	18	24
KHP030S1	30	610	150	3	840 x 32	740	M30/850X12	12	18	24	24	24

**Note:** Dimension are subject to change based on the location of mast installation, Luminary Type, Number, Distribution, Soil Condition, Design life etc...



## **TUBULAR SWAGED POLE**

Swaged poles are made from E.R.W./Welded tubes of the appropriate lengths swaged and joined together. No circumferential joint shall be allowed in a single pipe of poles. Each swag joint shall be staggered with longitudinal welds. Hydraulic power pack does swaging. Circumferential welding at the upper end of the joint at approximately 100+ poles are usually manufactured per day by us in compliance with IS 2713 (P-III)-1980 and different size poles may also be manufactured in accordance with customer illustrations or specifications.

### **Manufacturing Specifications**

MATERIAL	Mild Steel & Galvanizing Tubes
STANDARDS	IS 2713/80 (Part 1 to 3)1980
DESIGN	410SP - 1 to 410SP - 80
APPLICATION	Distribution, Transmission and Illumination, etc.
LENGTH	(7 meter to 16 meter) as per specifications attached

## View Tchnical Detail

DESIGNATION	OVERALL LENGTH	PLANTING DEPTH	LENGTH OF SECTIONS			OUTSIDE DIAMETER AND THICKNESS OF SECTIONS			APPROX WEIGHT OF POLE	BREAKING LOAD	LOAD FOR PERMANENT SET NOT EXCEEDING 13MM	LOAD FOR TEMPORARY DEFLECTION OF 157.5 MM
	L		BOTTOM h3	MIDDLE h2	TOP h1	BOTTOM	MIDDLE	TOP				
	(M)	(M)	(M)	(M)	(M)	(MM)	(MM)	(MM)	(KG.)	N (KGF)	N (KGF)	N (KGF)
410 SP - 1	7	1.25	4	1.5	1.5	114.3X3.65	88.9X3.25	76.1X3.25	62	2570 (262)	1245 (127)	785 (80)
410 SP - 2	7	1.25	4	1.5	1.5	114.5X4.50	88.9X4.05	76.1X3.25	73	3100 (316)	1510 (154)	941 (96)
410 SP - 3	7	1.25	4	1.5	1.5	114.5X5.40	88.9X4.85	76.1X3.25	85	3630 (370)	1760 (180)	1090 (111)
410 SP - 4	7.5	1.25	4.5	1.5	1.5	114.3X3.65	88.9X3.25	76.1X3.25	67	2350 (240)	1150 (117)	627 (64)
410 SP - 5	7.5	1.25	4.5	1.5	1.5	114.5X4.50	88.9X4.05	76.1X3.25	79	2760 (281)	1340 (137)	745 (76)
410 SP - 6	7.5	1.25	4.5	1.5	1.5	114.5X5.40	88.9X4.85	76.1X3.25	93	3320 (339)	1620 (165)	873 (89)
410 SP - 7	7.5	1.25	4.5	1.5	1.5	139.7X4.50	114.3X3.65	88.9X3.25	97	4330 (442)	2110 (215)	1400 (143)
410 SP - 8	7.5	1.25	4.5	1.5	1.5	139.7X4.85	114.3X3.65	88.9X3.25	103	4630 (472)	2250 (229)	1480 (151)
410 SP - 9	7.5	1.25	4.5	1.5	1.5	139.7X5.40	114.3X3.65	88.9X3.25	110	5100 (520)	2480 (253)	1600 (163)
410 SP - 10	8	1.5	4.5	1.75	1.75	114.3X3.65	88.9X3.25	76.1X3.25	70	2260 (230)	1100 (112)	520 (53)
410 SP - 11	8	1.5	4.5	1.75	1.75	114.5X4.50	88.9X4.05	76.1X3.25	83	2730 (278)	1320 (135)	618 (63)
410 SP - 12	8	1.5	4.5	1.75	1.75	114.5X5.40	88.9X4.85	76.1X3.25	97	3190 (325)	1550 (158)	725 (74)
410 SP - 13	8	1.5	4.5	1.75	1.75	139.7X4.50	114.3X3.65	88.9X3.25	101	4160 (424)	2020 (206)	1180 (120)
410 SP - 14	8	1.5	4.5	1.75	1.75	139.7X4.85	114.3X4.50	88.9X3.25	111	4440 (453)	2160 (220)	1280 (131)
410 SP - 15	8	1.5	4.5	1.75	1.75	139.7X5.40	114.3X4.50	88.9X3.25	119	4890 (499)	2380 (243)	1380 (140)
410 SP - 16	8.5	1.5	5	1.75	1.75	114.3X3.65	88.9X3.25	76.1X3.25	75	2090 (213)	1020 (104)	432 (44)
410 SP - 17	8.5	1.5	5	1.75	1.75	114.5X4.50	88.9X4.05	76.1X3.25	89	2520 (257)	1230 (125)	510 (52)
410 SP - 18	8.5	1.5	5	1.75	1.75	114.5X5.40	88.9X4.85	76.1X3.25	104	2950 (301)	1430 (146)	598 (61)
410 SP - 19	8.5	1.5	5	1.75	1.75	139.7X4.50	114.3X3.65	88.9X3.25	109	3844 (392)	1800 (191)	961 (98)
410 SP - 20	8.5	1.5	5	1.75	1.75	139.7X4.85	114.3X3.65	88.9X3.25	115	4110 (419)	2000 (204)	1010 (103)
410 SP - 21	8.5	1.5	5	1.75	1.75	139.7X5.40	114.3X4.50	88.9X3.25	129	4530 (462)	2210 (225)	1130 (115)
410 SP - 22	8.5	1.5	5	1.75	1.75	165.1X4.50	139.7X4.50	114.3X3.65	141	5450 (556)	2650 (270)	1730 (176)
410 SP - 23	8.5	1.5	5	1.75	1.75	165.1X4.85	139.7X4.50	114.3X3.65	148	5840 (596)	2840 (290)	1820 (186)
410 SP - 24	8.5	1.5	5	1.75	1.75	165.1X5.40	139.7X4.50	114.3X3.65	158	6450 (658)	3140 (320)	1970 (201)
410 SP - 25	9	1.5	5	2	2	114.3X3.65	88.9X3.25	76.1X3.25	78	1940 (198)	941 (96)	333 (34)
410 SP - 26	9	1.5	5	2	2	114.5X4.50	88.9X4.05	76.1X3.25	92	2340 (239)	1140 (116)	402 (41)
410 SP - 27	9	1.5	5	2	2	114.5X5.40	88.9X4.85	76.1X3.25	108	2750 (280)	1330 (136)	461 (47)
410 SP - 28	9	1.5	5	2	2	139.7X4.50	114.3X3.65	88.9X3.25	113	3580 (365)	1740 (177)	745 (76)
410 SP - 29	9	1.5	5	2	2	139.7X4.85	114.3X4.50	88.9X3.25	125	3820 (390)	1860 (190)	814 (83)
410 SP - 30	9	1.5	5	2	2	139.7X5.40	114.3X4.50	88.9X3.25	133	4220 (430)	2050 (209)	882 (90)
410 SP - 31	9	1.5	5	2	2	165.1X4.50	139.7X4.50	114.3X3.65	147	5070 (517)	2460 (251)	1360 (139)
410 SP - 32	9	1.5	5	2	2	165.1X4.85	139.7X4.50	114.3X3.65	154	5430 (554)	2640 (269)	1430 (146)
410 SP - 33	9	1.5	5	2	2	165.1X5.40	139.7X4.50	114.3X3.65	164	6000 (612)	2910 (297)	1540 (157)
410 SP - 34	9.5	1.8	5	2.25	2.25	139.7X4.50	114.3X4.50	88.9X3.25	122	3630 (370)	1760 (180)	745 (76)
410 SP - 35	9.5	1.8	5	2.25	2.25	139.7X4.85	114.3X4.50	88.9X3.25	129	3880 (396)	1880 (192)	784 (80)
410 SP - 36	9.5	1.8	5	2.25	2.25	139.7X5.40	114.3X4.50	88.9X3.25	137	4280 (436)	2080 (212)	833 (85)
410 SP - 37	9.5	1.8	5	2.25	2.25	165.1X4.50	139.7X4.50	114.3X3.65	153	5150 (525)	2500 (255)	1300 (133)
410 SP - 38	9.5	1.8	5	2.25	2.25	165.1X4.85	139.7X4.50	114.3X3.65	160	5510 (562)	2680 (273)	1370 (140)
410 SP - 39	9.5	1.8	5	2.25	2.25	165.1X5.40	139.7X4.50	114.3X3.65	170	6090 (621)	2960 (302)	1480 (151)
410 SP - 40	10	1.8	5.2	2.4	2.4	139.7X4.50	114.3X4.50	88.9X3.25	128	3390 (346)	1650 (168)	608 (62)
410 SP - 41	10	1.8	5.2	2.4	2.4	139.7x4.85	114.3x4.50	88.9x3.25	135	3630 (370)	1760 (180)	637 (65)
410 SP - 42	10	1.8	5.2	2.4	2.4	139.7x5.40	114.3x4.50	88.9x3.25	144	3990 (407)	1940 (198)	677 (69)
410 SP - 43	10	1.8	5.2	2.4	2.4	165.1x4.50	139.7x4.50	114.3x3.65	160	4810 (490)	2330 (238)	1060 (108)
410 SP - 44	10	1.8	5.2	2.4	2.4	165.1x4.85	139.7x4.50	114.3x3.65	168	5150 (525)	2500 (255)	1120 (114)
410 SP - 45	10	1.8	5.2	2.4	2.4	165.1x5.40	139.7x4.50	114.3x3.65	178	5690 (580)	2760 (282)	1200 (122)
410 SP - 46	10	1.8	5.2	2.4	2.4	193.7x4.85	165.1x4.50	139.7x4.50	208	7210 (735)	3500 (357)	1850 (189)
410 SP - 47	10	1.8	5.2	2.4	2.4	193.7x5.40	165.1x4.50	139.7x4.50	221	7910 (807)	3840 (392)	1990 (203)
410 SP - 48	10	1.8	5.2	2.4	2.4	193.7x5.90	165.1x4.50	139.7x4.50	233	8620 (879)	4190 (427)	2110 (215)
410 SP - 49	11	1.8	5.6	2.7	2.7	139.7x4.85	114.3x4.50	88.9x3.25	140	3000 (306)	1460 (149)	412 (42)
410 SP - 50	11	1.8	5.6	2.7	2.7	139.7x4.85	114.3x4.50	88.9x3.25	147	3210 (327)	1560 (159)	431 (44)
410 SP - 51	11	1.8	5.6	2.7	2.7	139.7x5.40	114.3x5.40	88.9x3.25	164	3530 (360)	1720 (175)	480 (49)
410 SP - 52	11	1.8	5.6	2.7	2.7	165.1x4.50	139.7x4.50	114.3x3.65	175	4250 (433)	2060 (210)	726 (74)
410 SP - 53	11	1.8	5.6	2.7	2.7	165.1x4.85	139.7x4.50	114.3x3.65	183	4550 (464)	2220 (226)	765 (78)
410 SP - 54	11	1.8	5.6	2.7	2.7	165.1x5.40	139.7x4.50	114.3x3.65	194	5030 (513)	2440 (249)	814 (83)
410 SP - 55	11	1.8	5.6	2.7	2.7	193.7x4.85	165.1x4.50	139.7x4.50	227	6370 (650)	3100 (316)	1270 (130)
410 SP - 56	11	1.8	5.6	2.7	2.7	193.7x5.40	165.1x4.50	139.7x4.50	241	6990 (713)	3400 (347)	1370 (140)
410 SP - 57	11	1.8	5.6	2.7	2.7	193.7x5.90	165.1x4.85	139.7x4.50	256	7620 (777)	3710 (378)	1470 (150)



DESIGNATION	OVERALL LENGTH	PLANTING DEPTH	LENGTH OF SECTIONS			OUTSIDE DIAMETER AND THICKNESS OF SECTIONS			APPROX WEIGHT OF POLE	BREAKING LOAD	LOAD FOR PERMANENT SET NOT EXCEEDING 13MM	LOAD FOR TEMPORARY DEFLECTION OF 157.5 MM
	L		BOTTOM	MIDDLE	TOP	BOTTOM	MIDDLE	TOP				
	(M)	(M)	h3	h2	h1	(MM)	(MM)	(MM)	(KG.)	N (KGF)	N (KGF)	N (KGF)
410 SP - 58	12	2	5.8	3.1	3.1	165.1x4.50	139.7x4.50	114.3x3.65	186	3880 (396)	1880 (192)	539 (55)
410 SP - 59	12	2	5.8	3.1	3.1	165.1x4.85	139.7x4.50	114.3x3.65	197	4160 (424)	2020 (206)	569 (58)
410 SP - 60	12	2	5.8	3.1	3.1	165.1x5.40	139.7x4.50	114.3x3.65	208	4600 (469)	2240 (228)	598 (61)
410 SP - 61	12	2	5.8	3.1	3.1	193.7x4.85	165.1x4.50	139.7x4.50	245	5820 (594)	2830 (289)	951 (97)
410 SP - 62	12	2	5.8	3.1	3.1	193.7x5.40	165.1x4.50	139.7x4.50	259	6390 (652)	3110 (317)	1010 (103)
410 SP - 63	12	2	5.8	3.1	3.1	193.7x5.90	165.1x4.85	139.7x4.50	277	6960 (710)	3390 (345)	1090 (111)
410 SP - 64	12	2	5.8	3.1	3.1	219.1x4.85	193.7x4.85	165.1x4.50	292	7490 (764)	3640 (371)	1460 (149)
410 SP - 65	12	2	5.8	3.1	3.1	219.1x5.60	193.7x4.85	165.1x4.50	313	8530 (871)	4150 (423)	1610 (164)
410 SP - 66	12	2	5.8	3.1	3.1	219.1x5.90	193.7x4.85	165.1x4.50	322	8980 (916)	4360 (445)	1660 (169)
410 SP - 67	13	2	5.8	3.6	3.6	193.7x4.85	165.1x4.50	139.7x4.50	261	5270 (537)	2560 (261)	677 (69)
410 SP - 68	13	2	5.8	3.6	3.6	193.7x5.40	165.1x4.85	139.7x4.50	281	5790 (590)	2810 (287)	735 (75)
410 SP - 69	13	2	5.8	3.6	3.6	193.7x5.90	165.1x5.40	139.7x4.50	302	6300 (642)	3060 (312)	794 (81)
410 SP - 70	13	2	5.8	3.6	3.6	219.1x4.85	193.7x4.85	165.1x4.50	312	6780 (691)	3300 (336)	1060 (108)
410 SP - 71	13	2	5.8	3.6	3.6	219.1x5.60	193.7x4.85	165.1x4.50	333	7720 (787)	3750 (382)	1160 (118)
410 SP - 72	13	2	5.8	3.6	3.6	219.1x5.90	193.7x4.85	165.1x4.50	343	8120 (828)	3940 (402)	1190 (121)
410 SP - 73	14.5	2	6.5	4	4	193.7x5.40	165.1x5.40	139.7x4.50	341	5050 (515)	2450 (250)	500 (51)
410 SP - 74	14.5	2	6.5	4	4	193.7x5.90	193.7x4.85	139.7x4.50	367	5500 (561)	2680 (273)	539 (55)
410 SP - 75	14.5	2	6.5	4	4	219.1x5.60	193.7x4.85	165.1x4.50	405	6750 (688)	3780 (384)	775 (79)
410 SP - 76	14.5	2	6.5	4	4	219.1x5.90	193.7x4.85	165.1x4.50	416	7100 (724)	3450 (352)	794 (81)
410 SP - 77	16	2.3	7	4.5	4.5	193.7x5.40	165.1x5.40	139.7x4.50	153	4590 (468)	2230 (227)	363 (37)
410 SP - 78	16	2.3	7	4.5	4.5	193.7x5.90	193.7x4.85	139.7x4.50	160	5000 (510)	2430 (248)	392 (40)
410 SP - 79	16	2.3	7	4.5	4.5	219.1x5.60	193.7x4.85	165.1x4.50	170	6130 (625)	2980 (304)	569 (58)
410 SP - 80	16	2.3	7	4.5	4.5	219.1x5.90	193.7x4.85	165.1x4.50	128	6440 (657)	3130 (319)	588 (60)

## TOLERANCES

1. OUTSIDE Diameter +1 %
  2. Theckness + Not Limited  
- 10 %
  3. Length  
on The length of any section +40mm  
on The overall length of pole +25mm
  4. Weight  
For bulk supplies 7.5 %  
For any single pole 10 %
  5. straightness  
The finished pale shall not be out of  
atraightness by more 1/1600 of its length.
- Based on the assumption that steel weights 7.85g/cm<sup>3</sup> \* Before making a selection of pole it is necessary to assume a suitable factor of safety has to be applied on the breaking load or the crippling load of the pole as the case may be depending on the relevant electricity rules to obtain the working load.
  - Value of working load of the poles with a factor of safety of 2 on crippling load and a Factor 2.5 on breaking load are both given in tables 1&2 in Indian standard book. The user will have to calculate the working load if different actors of safety other then those stated above are applied.
  - Length the tolerance of the length of section shall be follow : On the length of section + 40mm. on the overall length +10mm. The mean weight for bulk supplied shall not be more than 5% below the calculated value the weight of any single pole shall not fall below the calculated weight more than 7.5% Permissible tolerance on the tube thickness 10%.

# SOLAR STREET LIGHT POLES

**Kismat** offers solar light mini mast with high efficient, durable, weather proof, developed based on standard designs as well as provides customization. Charge controller, Battery and related electrical accessories on the lantern carriage having weather proof construction. Manually operated winch or Electro mechanically motorized winch operations.

An outstanding choice if you are in need of a high-end reliable solar-powered light that can be installed anywhere you want. Solar street lights are elevated light sources that are usually installed on the lighting frame, or built into the pole itself, by solar panels. Used in: Traffic Junctions, Car Parks and Area Lighting.



## DECORATIVE POLE



## DECORATIVE POLES

Decorative lighting is important for urban regeneration. It builds a distinctive sense of community, offers upscale aesthetics and brings style-conscious shoppers to revived retail developments. Kismat have developed special designs for tubular and conical curved poles to meet the requirements of today's Contemporary and modern road designs and blend with urban city scape, Architectural forms and designs as per project needs to satisfy and smart city requirements.

The decorative pole offered is produced by our professionals using raw material using HR Steel, Seamless Tubes, and Sheared by CNC plasma cutting and bending machines ensuring accurate forms, sizes, dimensions and thickness.

Hot Dip Galvanized with 7 tank process confirming to IS 4759. Surface final finish of PU Painted or Powder coated with wide range of color and finish options to meet project requirements.





## SQUARE POLE

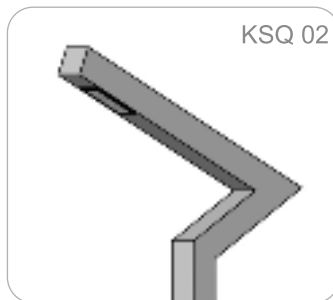
The square lighting pole is a unique and evergreen concept is taken from European and US countries. We offer Square poles from small size up to high light view as per customer needs and locations. We have developed special designs for Square and its Accessories curved poles to meet the requirements of today's contemporary and modern road designs and blend with urban cityscape, Architectural forms, and designs as per project need to satisfy and smart city requirements. The Square poles are produced using HR Square pipe and with help of CNC Laser and Plasma cutting we develop different types of designer poles and offer our customers Hot Dip Galvanized, Powder Coating, PU Painted for better quality and long life.



KSQ 01



KSQ 02



KSQ 03



KSQ 04



KSQ 05



KSQ 06



KSQ 07



KSQ 08



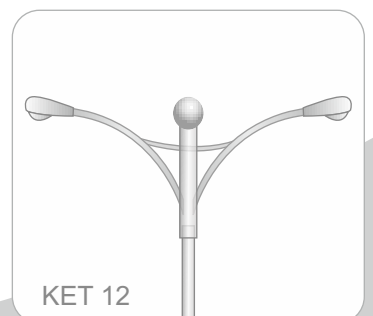
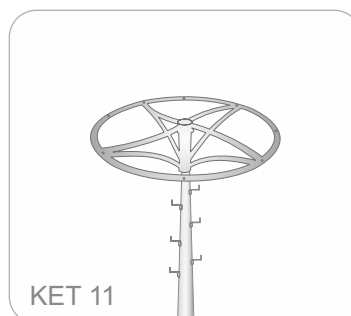
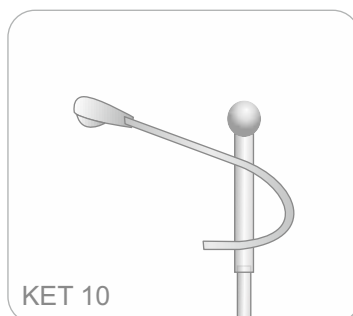
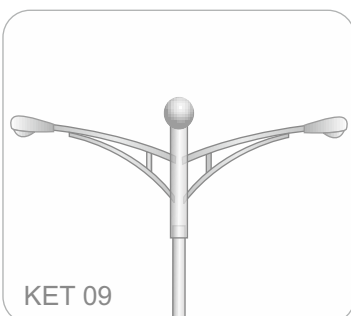
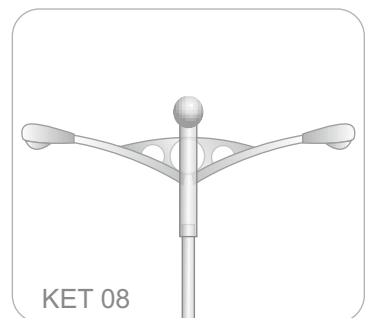
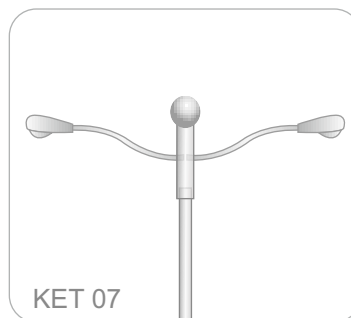
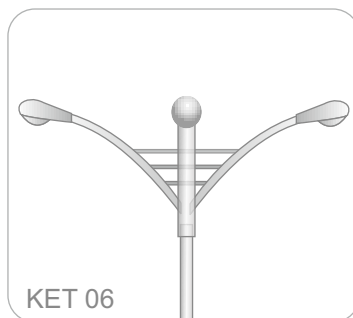
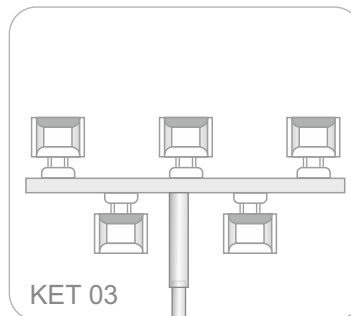
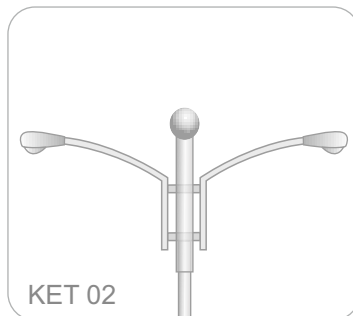
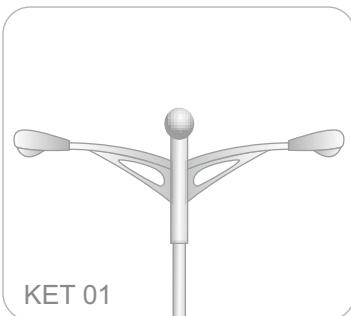
# CCTV POLES and GANTRY

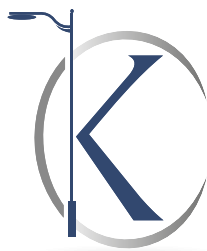
**KISMAT** has come up with the latest demanding poles that is Closed-circuit television (CCTV), also known as video surveillance. The pole has the video cameras to transmit a signal to a specific place, on a limited set of monitors. We provide the customization on CCTV camera with gantry also. Gantry is a bridge-like overhead structure with a platform supporting equipment such as a crane, signals, or cameras. Based on our numerous years of experience, we built a collection of security camera poles to satisfy the protection and safety needs of our customers. Comprised of durable materials to avoid damage to our protection poles, items like spotlights and CCTV cameras can be adapted to suit the specific needs of our customers.



## DECORATIVE BRACKETS

To complement KISMAT make Octagonal, Conical, Decorative curved and bent poles wide range of creative design cum functional decorative brackets with single, Double arms of varying lengths and sizes produced to match the project needs. Different types of bracket shapes are created to enhance the surrounding beauty of public places.





**KISMAT**  
EngiTech LLP

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