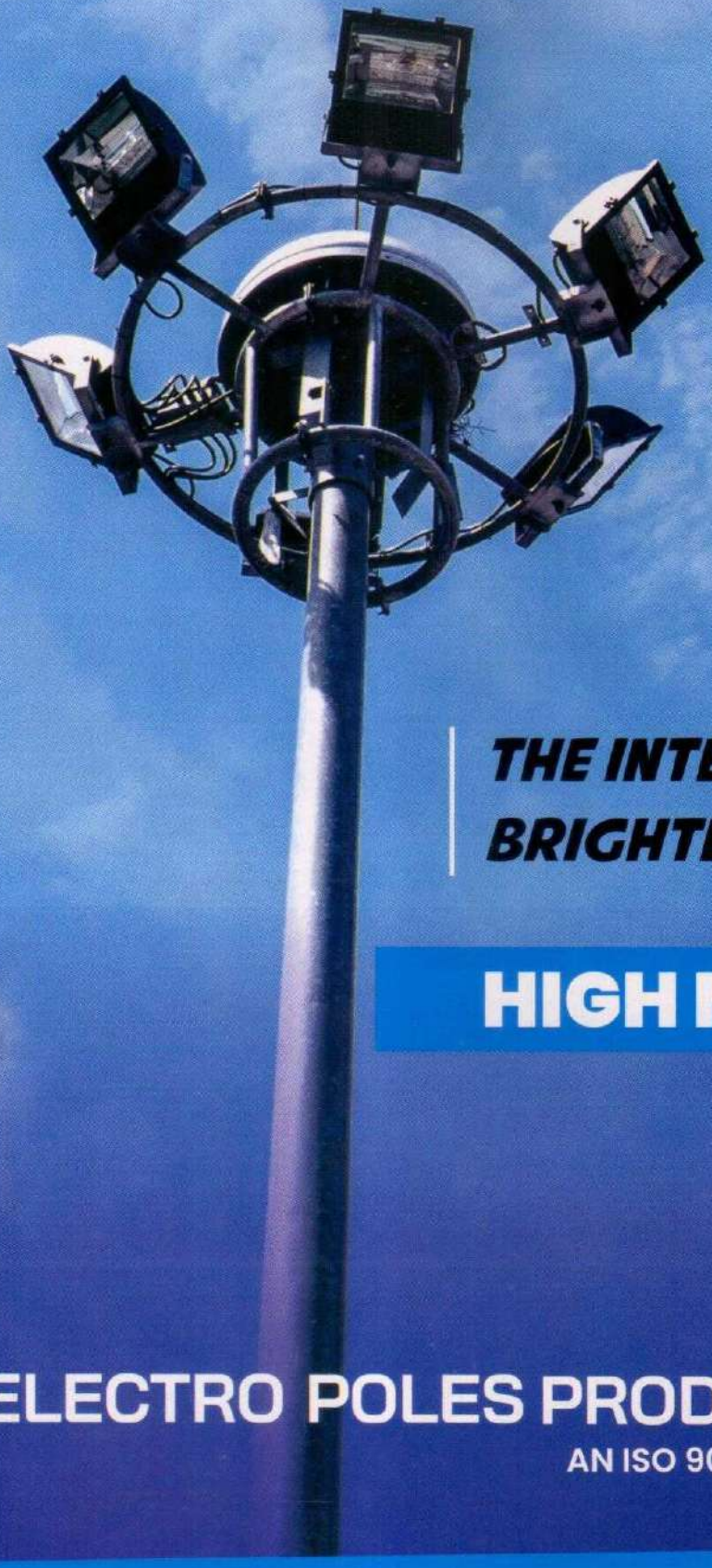
ELECTRO
ENERGIZING NATION WITH POWER



THE INTELLIGENT WAY OF
BRIGHTENING UP LIVES

# HIGH MAST POLES

## ELECTRO POLES PRODUCTS PVT. LTD.

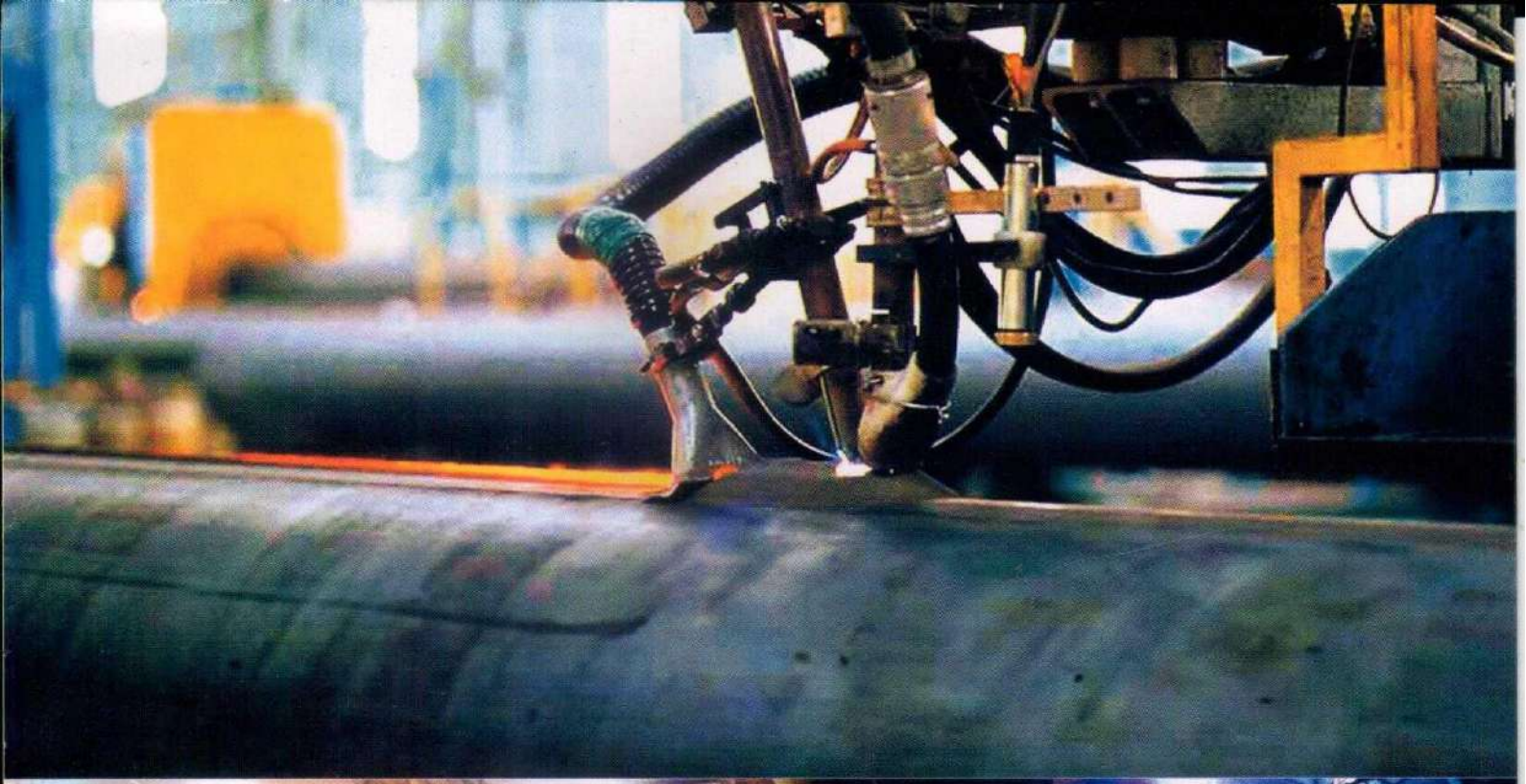
AN ISO 9001 : 2015 CERTIFIED COMPANY

www.electropoles.in

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ISO 9001:2015 CERTIFIED



## MANUFACTURING PROCESS

- **Cut to Length**: Decoiling process width - 2200mm, shearing capacity- 8mm, coil loading capacity-30T
- **Trapezodial Cutting:** Taper cutting on using CNC, plasma cutting M/c (Capacity 14m x 3.5m x 20mm thick by plasma & 150mm thick by Oxy Flame)
- **CNC Press Break:** Bending to polygonal capacity- 13m Long & 8mm thick.
- **Welding:** Longitudinal SAW welding on using CNC Pole closing machine
- **Grinding:** The grinding work is done to give better surface finish
- **Base Plate Fitting:** Base Plates are welded at the bottom of the Pole Shaft to convert them into pole
- **Door Fitting:** Doors are fitted generally at 500mm projection of the Base Plates to place al the electrical accessories inside the Pole Shaft
- **Galvanisation:** Galvanisation done by seen tank process in single hot dipping method. Our Zinc Bath of 12.25m (L) x 1.05m (W) x 1.25m (D) is capable of single hot-dip galvanising which ultimately gives better finish.
- **Straightening & Finishing:** Straightening of pole done after galvanisation with help of straightening machine. Final finishing and fittings and electrical accessories done after the completion of straightening of the poles
- **Loading and Dispatch:** The loading is done by EOT cranes with trained person for loading. The materials are dispatched after proper loading complete documentation.



# SPECIFICATIONS

| STANDARD SPECIFICATION FOR HIGH MAST AS PER 180KMPH OR 50M/S OR 112 MILES/HR. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Designation of MAST (Heavy) | Mast Height Mtr. | No. Of Section | Section Thickness mm. | Dia (A/F) mm. | | Base Plate mm. | PCD mm. | Foundation Bolt Details | | | No of Lights |
| | | | | Top Dia | Bottom Dia | OD X Thk. | | Dia mm. | Length mm. | No. of Bolts | |
| EPHM- 12.0 | 12.0 | 1 | 4 | 150 | 340 | 540X20 | 440 | M24 | 750 | 6 | 6 |
| EPHM- 12.0 | 12.0 | 2 | 3,3 | 150 | 340 | 540X20 | 440 | M24 | 750 | 6 | 8 |
| EPHM- 12.5 | 12.5 | 2 | 3,3 | 150 | 360 | 560X20 | 460 | M24 | 750 | 6 | 6 |
| EPHM- 16.0 | 16.0 | 2 | 3,3 | 150 | 360 | 560X20 | 460 | M24 | 750 | 8 | 8 |
| EPHM- 16.0 | 16.0 | 2 | 3,4 | 150 | 360 | 560X20 | 460 | M24 | 750 | 8 | 12 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M24 | 850 | 12 | 8 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M24 | 850 | 12 | 12 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M30 | 1200 | 10 | 16 |
| EPHM- 25.0 | 25.0 | 3 | 3,4,4 | 150 | 410 | 610X25 | 510 | M30 | 1200 | 12 | 12 |
| EPHM- 25.0 | 25.0 | 3 | 3,4,5 | 150 | 460 | 660X25 | 560 | M30 | 1200 | 12 | 16 |
| EPHM- 30.0 | 30.0 | 3 | 4,4,5 | 150 | 560 | 760X25 | 660 | M32 | 1200 | 16 | 16 |
| EPHM- 30.0 | 30.0 | 3 | 4,5,5 | 150 | 610 | 810X25 | 710 | M32 | 1200 | 20 | 20 |

| STANDARD SPECIFICATION FOR HIGH MAST AS PER 160KMPH OR 44M/S OR 100 MILES/HR. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Designation of MAST (Medium) | Mast Height Mtr. | No. Of Section | Section Thickness mm. | Dia (A/F) mm. | | Base Plate mm. | PCD mm. | Foundation Bolt Details | | | No. of Lights |
| | | | | Top Dia | Bottom Dia | OD X Thk. | | Dia mm. | Length mm. | No of Bolts | |
| EPHM- 12.0 | 12.0 | 1 | 4 | 105 | 340 | 540X20 | 440 | M24 | 750 | 6 | 6 |
| EPHM- 12.0 | 12.0 | 2 | 3,3 | 105 | 340 | 540X20 | 440 | M24 | 750 | 6 | 8 |
| EPHM- 12.5 | 12.5 | 2 | 3,3 | 105 | 360 | 560X20 | 460 | M24 | 750 | 6 | 6 |
| EPHM- 16.0 | 16.0 | 2 | 3,3 | 105 | 360 | 560X20 | 460 | M24 | 750 | 8 | 8 |
| EPHM- 16.0 | 16.0 | 2 | 3,4 | 105 | 360 | 560X20 | 460 | M24 | 750 | 8 | 12 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M24 | 850 | 12 | 8 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M24 | 850 | 12 | 12 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M30 | 1200 | 10 | 16 |
| EPHM- 25.0 | 25.0 | 3 | 3,4,4 | 150 | 410 | 610X25 | 510 | M30 | 1200 | 12 | 12 |
| EPHM- 25.0 | 25.0 | 3 | 3,4,5 | 150 | 460 | 660X25 | 560 | M30 | 1200 | 12 | 16 |
| EPHM- 30.0 | 30.0 | 3 | 4,4,5 | 150 | 460 | 660X25 | 560 | M32 | 1200 | 16 | 16 |
| EPHM- 30.0 | 30.0 | 3 | 4,5,5 | 150 | 510 | 710X25 | 610 | M32 | 1200 | 20 | 20 |

| STANDARD SPECIFICATION FOR HIGH MAST AS PER 120KMPH OR 33M/S OR 75 MILES/HR. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Designation of MAST (Light) | Mast Height Mtr. | No. Of Section | Section Thickness mm. | Dia (A/F) mm. | | Base Plate mm. | PCD mm. | Foundation Bolt Details | | | No. of Lights |
| | | | | Top Dia | Bottom Dia | OD X Thk. | | Dia mm. | Length mm. | No. of Bolts | |
| EPHM- 12.0 | 12.0 | 1 | 4 | 105 | 340 | 540X20 | 440 | M20 | 750 | 6 | 6 |
| EPHM- 12.0 | 12.0 | 2 | 3,3 | 105 | 340 | 540X20 | 440 | M20 | 750 | 6 | 8 |
| EPHM- 12.5 | 12.5 | 2 | 3,3 | 105 | 360 | 560X20 | 460 | M20 | 750 | 6 | 6 |
| EPHM- 16.0 | 16.0 | 2 | 3,3 | 105 | 360 | 560X20 | 460 | M20 | 750 | 8 | 8 |
| EPHM- 16.0 | 16.0 | 2 | 3,4 | 105 | 360 | 560X20 | 460 | M20 | 750 | 8 | 12 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M24 | 850 | 12 | 8 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M24 | 850 | 12 | 12 |
| EPHM- 20.0 | 20.0 | 2 | 3,4 | 150 | 410 | 610X20 | 510 | M30 | 1200 | 10 | 16 |
| EPHM- 25.0 | 25.0 | 3 | 3,4,4 | 150 | 410 | 610X25 | 510 | M30 | 1200 | 12 | 12 |
| EPHM- 25.0 | 25.0 | 3 | 3,4,5 | 150 | 460 | 660X25 | 560 | M30 | 1200 | 12 | 16 |
| EPHM- 30.0 | 30.0 | 3 | 4,4,5 | 150 | 460 | 660X25 | 560 | M30 | 1200 | 16 | 16 |
| EPHM- 30.0 | 30.0 | 3 | 4,5,5 | 150 | 510 | 710X25 | 610 | M30 | 1200 | 20 | 20 |

## APPLICABLE STANDARDS

| Title | Code |
|---|---|
| General Construction of Steel | IS 875 (PART III) 1987 |
| Wind Load for Structures | IS 800 2007 |
| Grades of Steel | BSEN 10025/BIS 2062 |
| Foundation bolt Material | Gr Fe- 415 Mpa Min |
| Base Plate Material | BIS 2062 |
| Galvanizing | IS 4759 |
| Galvanizing Thickness | 70- 86 Micron(Average) |
| Lantern Carriage capacity | 300 Kg to 1000 Kg |

## ACCESSORIES

| |
|---|
| Lantern Carriage |
| Head Frame |
| Motor & Winch Mounting Bracket |
| Lightning Arrester |
| Winch- Double/Single Drum |
| Stainless Steel Wire Rope |
| Power Tool |
| Training Cable |

## APPLICATIONS

| |
|---|
| 1. Air Ports & Sea Ports |
| 2. Railway Yards |
| 3. Industrial Flood Lighting |
| 4. Car Parks & Junctions |
| 5. Sports Arenas/Stadiums |
| 6. Roads & Highway |

## Electro Poles Products Pvt. Ltd.(EPPPL) was incorporated in the year 2007.

Welcome to Electro Pole, where innovation meets excellence. Established in 2007 and we have been at the forefront of poles & masts manufacturer & exporter with a commitment to delivering top-notch products and services.

**Mission**: At Electro Poles our mission is to conserve resources and improve life, finding ways to make innovation and technology beneficial in the real world.

**Core Values**

Integrity | Innovation | Customer Satisfaction | Sustainibility

**Our Story**

Founded by Late Shri Manick Chand Agarwal in 2007, having experience in same industry since 1985. Electro Poles began with a vision to be the industry benchmark across all verticals, by creating value and demonstrating high ethical standards. Over the years, we have evolved into a 650 million company with a strong presence in India, South Asia, Middle East & African Region.

**Why Choose Electro Poles**

**Quality Assurance:** Rigorous quality control measures ensure the reliability and longevity of our products/services.

**Innovation:** We stay ahead of the curve by embracing the latest technologies and trends in Lighting & Transmission Poles manufacturing.

**Customer-Centric Approach:** Your satisfaction is our priority. Our customer service team is dedicated to providing a seamless experience.

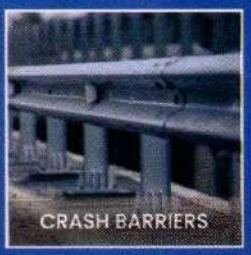
**Sustainability Initiatives**

As stewards of the environment, Electro Poles is committed to sustainable practices.









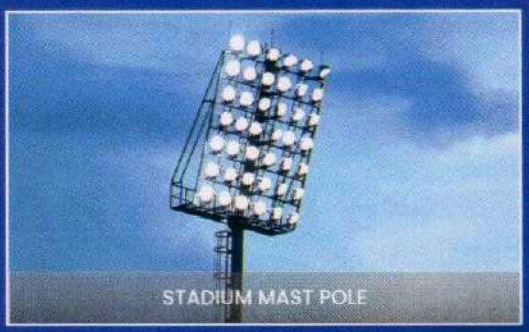













**Our manufacturing products**

1. Steel Tubular Poles
2. Polygonal & Octagonal Pole
3. High Mast Pole
4. Flag Mast Pole
5. Stadium Mast Pole
6. Mono Pole
7. Metal Beam Crash Barrier

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**Registered Office**

1-B, Ramlochan Mullick Street, 1st Floor, Room No. 105, Kolkata - 700073,

**Marketing Office**

Eco Suite Tower, Plot II - D/22, Action Area II, 6th Floor, Suite No: 607, (Near City Centre II), Kolkata - 700156, West Bengal, India.

Phone No : +919874245900,+919903915900

**Factory Unit 1**

Santra para, Village : Kharial, P.O. Dankuni Coal Complex, Hooghly.

**Factory Unit 2**

Mother Dairy Gate No.3,
Vill : Kharial, P.O.Dankuni Coal Complex,
Dankuni , Hooghly, WB, India

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Email : info@electrogroups.com
Web : www.electropoles.in

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