

Technical Specification of 9 Mtr Hot Dip Galvanised Street Light Octagonal Pole for FSIP,Jagdishpur

S.I NO	DESCRIPTIONS	OUR REQUIREMENTS
1	General Specifications	Supply of 9Mtr Hot Dip Galvanized Street Light Octagonal Pole with Foundation Type Base Plate & Foundation Bolts (Dimensions for pole as Top Diameter 70 mm, Bottom Diameter 155 mm, Section Length- 9000 mm, Thickness-3 mm, Foundation Type Base Plate (250X250X16 mm), Foundation Bolts (M24 X 700/750 MM-4Nos).with single type arm bracket 1500 mm long made of 60 mm dia pipe ,suitable for LED street light fitting
2	Pole Shaft	The pole shaft shall be made from sheet steel confirming to BSEN 10025.The pole shaft shall have octagonal cross section and shall be continuously tapered with single longitudinal welding. There shall not be any circumferential welding. All octagonal pole shafts shall be provided with the rigid flange plate of suitable thickness (as per IS 2062) with provision for fixing 4 foundation bolts. This base plate shall be fillet welded to the pole shaft at two locations i.e. from inside and outside.
	Dimension	Pole Top Diameter 70 mm, Bottom Diameter 155 mm, Section Length- 9000 mm, Thickness-3 mm Base Plate (250X250X16 mm), Foundation Bolts (M24 X 700/750 MM-4Nos)
3	Door Opening	The octagonal Poles shall have door of approximate 500 mm length at the elevation of 500 mm from the Base plate. The door shall be vandal resistance and shall be weather proof to ensure safety of inside connections. Bakelite sheet with one 6A SP MCB and 16 sqmm stud type connector (4 nos) inside the pole at door opening for cable connection.The door shall be flush with the exterior surface and shall have suitable locking arrangement. There shall also be suitable arrangement for the purpose of earthing. The pole shall be adequately strengthened at the location of the door to compensate for the loss in section.
4	Material	Octagonal Poles -Steel Grade BSEN 10025 - S355J0 or Equivalent Base Plate Fe 410 conforming to IS 226 / IS 2062
5	Pole Sections	The Octagonal Poles shall be in single section. There shall not be any circumferential weld joint.
6	Galvanization	The poles shall be hot dip galvanized as per relevant Indian standards with average coating thickness of minimum 65 micron.
7	Fixing Type	The Octagonal Poles shall be suitable for bolting on a foundation with a set of four foundation bolts for greater rigidity.
8	Bracket for fixing luminaire	The brackets shall be made of specified size G.I heavy duty pipe with minimum 1500 mm long and minimum 48 mm dia with necessary holding brackets, hold fasts etc suitable for LED light mounting.
9	Documentation	Pole drawing along with details of baseplate , foundation bolts and foundation details (RCC) shall be submitted along with offer