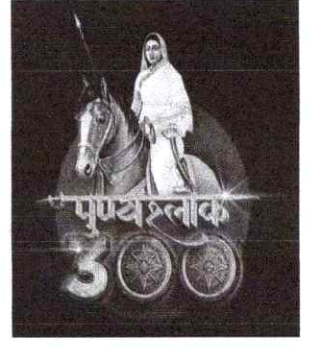




पनवेल महानगरपालिका

ता. पनवेल जि. रायगड



कार्यालय- आयुक्त मुख्यालय, २ रा मजला, देवाळे तलावाच्या
समोर, गोखले हॉलच्या शेजारी, पनवेल- ४१०२०६
दुरध्वनी क्र- ०२२-२७४५८०४०/४१/४२
Email Id: panvelcorporation@gmail.com

जा.क्र. पमपा/विद्युत/१९२६/प्र.क्र. २६ R७३/२०२६

दिनांक-२५/०३/२०२६

जाहिर निविदा दरपत्रक सुचना

मा. आयुक्त, पनवेल महानगरपालिका यांच्या वतीने विद्युत विभागातील विविध कामांचे अंदाजपत्रक तयार करण्याकरिता संबंधित Manufacturer/Dealer/Contractor कडून विद्युत विषयक बाबींचे दर मागविण्यात येत आहे.

तपशिल

अ.क्र.	तपशिल	परिमाण	युनिट
1.	Supplying of 5M Single arm Decorative single-arm lighting pole designed for streetscape and mix of heritage and modern design. Fabricated using GI tubular shaft with FRP ornamental base casting and geometry symbolic elements in bracket. Overall, Pole Height: 5 m (above foundation level), Base Casting Material: FRP Base Size: 550 mm height × 355 mm width at base, Materials & Construction Galvanized Steel tubular construction of 89mm dia pipe section. The base plate shall be of 200 x 200 x 12mm thickness. The Bracket shall be made of Decorative Laser cut single arm with Geometrical design. The base shall be made of FRP material. The Fibre Reinforced Polymer Made of marine quality Composite. It is Reinforced with glass fibre Chopped Strand Mat EMC450, with Area Weight of $\pm 7.5\%$ as per IS03374, Moisture Content of $< 20\%$ as per IS03344, Size Content of 3. 7(1 +31 %) as per ISO 1887 and Breakage Strength of $> 140N$ as per ISO 3342. isophthalic Unsaturated Polyester laminating resin having medium viscosity and Low reactivity based on isophthalic acid and standard glycols, dissolved in styrene monomer is used in making the product. The resin has Viscosity at 25°C (P): 400 to 500, Acid Value (mg KOH/gm): 15-20, Specific Gravity at 25°C: 1.11 +0.02, Volatile content (%): 38 \pm 3, Gel time at 30°C (minutes), (with Resin =100 grams; Accelerator 3% Cobalt Octoate = 1.0 and Catalyst MEKP M-50 = 1.5 ml): 8 to 12. Cured clear Cast Resins comes with following properties: Barcol hardness: 42, : 42 Heat deflection temperature (°C): 94, Tensile strength (kg/cm ²): 600, Tensile modulus Map of 3100; Elongation at break: 2.5%; Flexural strength (kg/cm ²): 1050, Flexural modulus (Mpa) of 3200, Water absorption @25°C (mg) (after 24 hours) of 20. The method of testing and tolerances are as prescribed in IS-67 46-1994. The product is an all-Weather proof & Maintenance free with long design life. Pre-paint treatments It is self-coloured textured surface finish with scratch resistant, aliphatic grade U.V stabilized PU paint with UV stable Polyurethane	1	Each

	<p>with viscosity of 80(+/-3 Sec), Gravity 97(+/-3) Grams, Fineness of Grind 3 Micron with long standing life. The FRP is of minimum 2.5 mm Thickness with 10% tolerance. This FRP cladding is fitted with SS screws of 40mm length on RCC column as per the enclosed drawing. The FRP cladding sheets will come in multiples & shall be assembled at site. Wind speed considered in design 50 m/sec in compliance with IS 875 Part 3: 1987. Pole section shall be welded using high end MIG welding processes. Service door 320mm height x 153mm bottom x 120mm top width shall be provided with the company logo on the bottom of the door and safety rope with IP protection rating. The internal junction section will be suitable for 6A MCB and 32A terminal connectors for loop-in / loop-out arrangement. Mild steel mounting plate 300mm x 16mm thick dia Steel of grade E250 to IS 2062 : 2011 with 4 holes 34 to suit M20 x with 4 Nos 750mm foundation bolts. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed foundation. The GI pipes shall be of make TATA / JSW conforming to IS 1161 / 1239 standard. All dimension and weight are within +/- 10% tolerance. The pole shall be coated with Etch primer, Epoxy zinc phosphate primer, MIO and finished using environmentally stable polyurethane-based paint (coating thickness 180 microns (+/-10microns).</p>		
2.	<p>Supplying of 9000mm GEONEX Double arm pole made of circular GI pipe of two section (grade YST 210), Bottom section 139.7mm Dia x 3.5mm thick with 3000mm Height & Top section 114.3mm Dia x 3.5mm thick with 4500mm Height 89mm Dia x 3.5mm for bracket pipe section. Decorative base design made of FRP, starting with circular plinth of 400mm dia. for 100mm height, followed by a ring of 400 dia gradually tapering upto dia 235mm for 700mm height which is followed by decorative portion of 308mm (W) x 90mm (H) which is followed by a portion starts with 240mm (W) & gradually tapering upto 155mm dia to 190mm height, then gradually increasing upto 290mm as approved by the concerned Engineer. The total height of decorative FRP base is 1150mm and weight approx. 18kgs. The decorative ring in (ID 144mm/118mm- 7kgs) middle of the pole and second ring (ID 118mm/118mm- 8kgs.) on top made of cast Iron. Bracket stem made of GI Pipe 88.9mm Dia x 3.5mm thick with a length of 1500mm. The horizontal arm made of a FRP geometrical design placed on both side the pipe connector at the end that facilitate the fitment of street light at 1500mm both arm from the vertical axis of the bracket stem. The Fibre Reinforced Polymer Made of marine quality Composite. It is Reinforced with glass fibre Chopped Strand Mat EMC450, with Area Weight of +/-7.5% as per IS03374, Moisture Content of <20% as per IS03344, Size Content of 3. 7(1 +31 %) as per ISO 1887 and Breakage Strength of > 140N as per ISO 3342. isophthalic Unsaturated Polyester laminating resin having medium viscosity and Low reactivity based on isophthalic acid and standard glycols, dissolved in styrene monomer is used in making the product. The resin has Viscosity at 25°C (P): 400 to 500, Acid Value (mg KOH/gm): 15-20, Specific Gravity at 25°C: :1.11 +0.02, Volatile content (%): 38 +/-3, Gel time at 30°C (minutes),</p>	1	Each

	<p>(with Resin = 100 grams; Accelerator 3% Cobalt Octoate = 1.0 and Catalyst MEKP M-50= 1.5 ml): 8 to 12. Cured clear Cast Resins comes with following properties: Barcol hardness: 42, : 42 Heat deflection temperature (°C): 94, Tensile strength (kg/cm²): 600, Tensile modulus Map of 3100; Elongation at break: 2.5%; Flexural strength (kg/cm²): 1050, Flexural modulus (Mpa) of 3200, Water absorption @25°C (mg) (after 24hours) of 20. The method-of-testing and the tolerances are as prescribed in IS-67 46-1994. The product is an all-Weather proof & Maintenance free with long design life. Pre-paint treatments It is self-coloured textured surface finish with scratch resistant, aliphatic grade U.V stabilized PU paint with UV stable Polyurethane with viscosity of 80(+/-3 Sec), Gravity 97(+/-3) Grams, Fineness of Grind 3 Micron with long standing life. The FRP is of minimum 2.5 mm Thickness with 10% tolerance. This FRP cladding is fitted with SS screws of 40mm length on RCC column as per the enclosed drawing. The FRP cladding sheets will come in multiples & shall be assembled at site. Wind speed considered in design 50 m/sec in compliance with IS 875 Part 3: 1987. Pole section shall be welded using high end MIG welding processes. Service door 320mm height x 153mm bottom x 120mm top width shall be provided with the company logo on the bottom of the door and safety rope with IP protection rating. The internal junction section will be suitable for 6A MCB and 32A terminal connectors for loop-in / loop-out arrangement. Mild steel mounting plate 400mm SQ with 16mm thick. MS Steel of grade E250 to IS 2062 : 2011 with 4 holes 34 to suit M20 x with 4 Nos 750mm foundation bolts. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed foundation. The GI pipes shall be of make TATA / JSW conforming to IS 1161 / 1239 standard. All dimension and weight are within +/- 10% tolerance. The pole shall be coated with Etchprimer, Epoxy zinc phosphate primer, MIO and finished using environmentally stable polyurethane-based paint (coating thickness 180 microns (+/-10microns).</p>		
3.	<p>Supplying of 8000mm GEONEX Double arm pole made of circular GI pipe of two section (grade YST 210), Bottom section 139.7mm Dia x 3.5mm thick with 2000mm Height & Top section 114.3mm Dia x 3.5mm thick with 4500mm Height 89mm Dia x 3.5mm for bracket pipe section. Decorative base design made of FRP, starting with circular plinth of 400mm dia. for 100mm height, followed by a ring of 400 dia gradually tapering upto dia 235mm for 700mm height which is followed by decorative portion of 308mm (W) x 90mm (H) which is followed by a portion starts with 240mm (W) & gradually tapering upto 155mm dia to 190mm height, then gradually increasing upto 290mm as approved by the concerned Engineer. The total height of decorative FRP base is 1150mm and weight approx 18kgs. The decorative ring in (ID 144mm/118mm- 7kgs) middle of the pole and second ring (ID 118mm/118mm- 8kgs.) on top made of cast Iron. Bracket stem made of GI Pipe 88.9mm Dia x3.5mm thick with a length of 1500mm. The horizontal arm made of a FRP geometrical design placed on one side the pipe connector at the end that facilitate the fitment of street light at 1500mm both</p>	1	Each

	<p>arm from the vertical axis of the bracket stem. Wind speed considered in design 50 m/sec in compliance with IS 875 Part 3: 1987. Pole section shall be welded using high end MIG welding processes. Service door 320mm height x 153mm bottom x 120mm top width shall be provided with the company logo on the bottom of the door and safety rope with IP protection rating. The internal junction section will be suitable for 6A MCB and 32A terminal connectors for loop-in / loop-out arrangement. Mild steel mounting plate 300mm x 16mm thick dia Steel of grade E250 to IS 2062 : 2011 with 4 holes 34 to suit M20 x with 4 Nos 750mm foundation bolts. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed foundation. The GI pipes shall be of make TATA / JSW conforming to IS 1161 / 1239 standard. All dimension and weight are within +/- 10% tolerance. The pole shall be coated with Etch primer, Epoxy zinc phosphate primer, MIO and finished using environmentally stable polyurethane-based paint (coating thickness 180 microns (+/-10microns).</p>		
<p>4.</p>	<p>Supplying of 8000mm GEONEX Single arm pole made of circular GI pipe of two section (grade YST 210), Bottom section 139.7mm Dia x 3.5mm thick with 2000mm Height & Top section 114.3mm Dia x 3.5mm thick with 4500mm Height 89mm Dia x 3.5mm for bracket pipe section. Decorative base design made of FRP, starting with circular plinth of 400mm dia. for 100mm height, followed by a ring of 400 dia gradually tapering upto dia 235mm for 700mm height which is followed by decorative portion of 308mm (W) x 90mm (H) which is followed by a portion starts with 240mm (W) & gradually tapering upto 155mm dia to 190mm height, then gradually increasing upto 290mm as approved by the concerned Engineer. The total height of decorative FRP base is 1150mm and weight approx. 18kgs. The decorative ring in (ID 144mm/118mm-7kgs) middle of the pole and second ring (ID 118mm/118mm- 8kgs.) on top made of cast Iron. Bracket stem made of GI Pipe 88.9mm Dia x 3.5mm thick with a length of 1500mm. The horizontal arm made of a FRP geometrical design placed on one side the pipe connector at the end that facilitate the fitment of street light at 1500mm both arm from the vertical axis of the bracket stem. The Fibre Reinforced Polymer Made of marine quality Composite. It is Reinforced with glass fibre Chopped Strand Mat EMC450, with Area Weight of =/-7.5% as per IS03374, Moisture Content of <20% as per IS03344, Size Content of 3. 7(1 +31 %) as per ISO 1887 and Breakage Strength of > 140N as per ISO 3342. isophthalic Unsaturated Polyester laminating resin having medium viscosity and Low reactivity based on isophthalic acid and standard glycols, dissolved in styrene monomer is used in making the product. The resin has Viscosity at 25°C (P):400 to 500, Acid Value (mg KOH/gm): 15-20, Specific Gravity at 25°C: :1.11 +0.02, Volatile content (%): 38 +/-3, Gel time at 30°C (minutes), (with Resin = 100 grams; Accelerator 3% Cobalt Octoate = 1.0 and Catalyst MEKP M-50= 1.5 ml): 8 to 12. Cured clear Cast Resins comes with following properties: Barcol hardness: 42, : 42 Heat deflection temperature (°C): 94, Tensile strength (kg/cm²): 600, Tensile modulus Map of 3100; Elongation at</p>	<p>1</p>	<p>Rmt</p>

	<p>break: 2.5%; Flexural strength (kg/cm²): 1050, Flexural modulus (Mpa) of 3200, Water absorption @25°C (mg) (after 24hours) of 20. The method-of-testing and the tolerances are as prescribed in IS-67 46-1994. The product is an all-Weather proof & Maintenance free with long design life. Pre-paint treatments It is self-coloured textured surface finish with scratch resistant, aliphatic grade U.V stabilized PU paint with UV stable Polyurethane with viscosity of 80(+/-3 Sec), Gravity 97(+/-3) Grams,Fineness of Grind 3 Micron with long standing life. The FRP is of minimum 2.5 mm Thickness with 10% tolerance. This FRP cladding is fitted with SS screws of 40mm length on RCC column as per the enclosed drawing. The FRP cladding sheets will come in multiples & shall be assembled at site. Wind speed considered in design 50 m/sec in compliance with IS 875 Part 3: 1987. Pole section shall be welded using high end MIG welding processes. Service door 320mm height x 153mm bottom x 120mm top width shall be provided with the company logo on the bottom of the door and safety rope with IP protection rating. The internal junction section will be suitable for 6A MCB and 32A terminal connectors for loop-in / loop-out arrangement. Mild steel mounting plate 400mm SQ with 16mm thick. MS Steel of grade E250 to IS 2062 : 2011 with 4 holes 34 to suit M20 x with 4 Nos 750mm foundation bolts. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed foundation. The GI pipes shall be of make TATA / JSW conforming to IS 1161 / 1239 standard.All dimension and weight are within +/- 10% tolerance. The pole shall be coated with Etch primer, Epoxy zinc phosphate primer, MIO and finished using environmentally stable polyurethane-based paint (coating thickness 180 microns (+/-10microns).</p>		
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	<p>Unsaturated Polyester laminating resin having medium viscosity and Low reactivity based on isophthalic acid and standard glycols, dissolved in styrene monomer is used in making the product. The resin has Viscosity at 25°C (P):400 to 500, Acid Value (mg KOH/gm): 15-20, Specific Gravity at 25°C: :1.11 +0.02, Volatile content (%): 38 +/-3, Gel time at 30°C (minutes), (with Resin = 100 grams; Accelerator 3% Cobalt Octoate = 1.0 and Catalyst MEKP M-50= 1.5 ml): 8 to 12. Cured clear Cast Resins comes with following properties: Barcol hardness: 42, : 42 Heat deflection temperature (°C): 94, Tensile strength (kg/cm²): 600, Tensile modulus Map of 3100; Elongation at break: 2.5%; Flexural strength (kg/cm²): 1050, Flexural modulus (Mpa) of 3200, Water absorption @25°C (mg) (after24hours) of 20. The method-of-testing and the tolerances are as prescribed in IS-67 46-1994. The product is an all-Weather proof & Maintenance free with long design life. Pre-paint treatments It is self-coloured textured surface finish with scratch resistant, aliphatic grade U.V stabilized PU paint with UV stable Polyurethane with viscosity of 80(+/-3 Sec), Gravity 97(+/-3) Grams, Fineness of Grind 3 Micron with long standing life. The FRP is of minimum 2.5 mm Thickness with 10% tolerance. This FRP cladding is fitted with SS screws of 40mm length on RCC column as per the enclosed drawing. The FRP cladding sheets will come in multiples & shall be assembled at site. Wind speed considered in design 50 m/sec in compliance with IS 875 Part 3: 1987. Pole section shall be welded using high end MIG welding processes. Service door 320mm height x 153mm bottom x 120mm top width shall be provided with the company logo on the bottom of the door and safety rope with IP protection rating. The internal junction section will be suitable for 6A MCB and 32A terminal connectors for loop-in / loop-out arrangement. Mild steel mounting plate 400mm SQ with 16mm thick. MS Steel of grade E250 to IS 2062 : 2011 with 4 holes 34 to suit M20 x with 4 Nos 750mm foundation bolts. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed foundation. The GI pipes shall be of make TATA / JSW conforming to IS 1161 / 1239 standard. All dimension and weight are within +/- 10% tolerance. The pole shall be coated with Etch primer, Epoxy zinc phosphate primer, MIO and finished using environmentally stable polyurethane-based paint (coating thickness 180 microns (+/-10microns).</p>		
6.	<p>60W Street Area Light of high-efficiency outdoor luminaire designed for reliable and uniform illumination in both new installations and retrofit applications. Built with robust die-cast aluminium housing, the fixture ensures durability and long-term performance in demanding outdoor environments. It is engineered to replace conventional HID fixtures up to 1000W while delivering significant energy savings and improved lighting quality. The luminaire offers high luminous efficacy of up to 140 lumens per watt, with a wattage range from 60W and lumen output between 8,400 lumens. It features Lumiled 2835 LEDs paired with a Sosen non-isolated driver, ensuring stable performance. The system supports input voltages of 100-277V and 277-480V, making it suitable for varied electrical</p>	1	Each

	<p>conditions. For flexibility in lighting design, the light provides non-tuneable correlated color temperature (CCT) options ranging from 3500K to 5000K, along with wattage tuning capabilities. It maintains a high power factor of ≥ 0.95 and a color rendering index (CRI) of ≥ 70. The fixture also supports 0-10V dimming and can be optionally equipped with daylight or microwave sensors for smart energy management. Optically, the luminaire is equipped with PC lenses and offers multiple beam distributions such as Type III, IV, V, $90^\circ \times 120^\circ$, and 60°, ensuring suitability for various roadway and area lighting applications. The unit is rated IP65 for water and dust resistance and IK08 for impact protection, making it reliable under harsh environmental conditions. It can operate in temperatures as low as -30°C. Installation is versatile, with mounting options including slip fitter, trunnion, and pole mount configurations. The product is designed for long service life and is backed by a 3-year warranty, ensuring confidence in performance and durability.</p>		
7.	<p>150W Street Area Light of high-efficiency outdoor luminaire designed for reliable and uniform illumination in both new installations and retrofit applications. Built with robust die-cast aluminium housing, the fixture ensures durability and long-term performance in demanding outdoor environments. It is engineered to replace conventional HID fixtures up to 1000W while delivering significant energy savings and improved lighting quality. The luminaire offers high luminous efficacy of up to 140 lumens per watt, with a wattage range from 150W and lumen output between 21,000 lumens. It features Lumiled 2835 LEDs paired with a Sosen non-isolated driver, ensuring stable performance. The system supports input voltages of 100-277V and 277-480V, making it suitable for varied electrical conditions. For flexibility in lighting design, the light provides non-tuneable correlated color temperature (CCT) options ranging from 3500K to 5000K, along with wattage tuning capabilities. It maintains a high power factor of ≥ 0.95 and a color rendering index (CRI) of ≥ 70. The fixture also supports 0-10V dimming and can be optionally equipped with daylight or microwave sensors for smart energy management. Optically, the luminaire is equipped with PC lenses and offers multiple beam distributions such as Type III, IV, V, $90^\circ \times 120^\circ$, and 60°, ensuring suitability for various roadway and area lighting applications. The unit is rated IP65 for water and dust resistance and IK08 for impact protection, making it reliable under harsh environmental conditions. It can operate in temperatures as low as -30°C. Installation is versatile, with mounting options including slip fitter, trunnion, and pole mount configurations. The product is designed for long service life and is backed by a 3-year warranty, ensuring confidence in performance and durability.</p>	1	Each
8.	<p>200W Street Area Light of high-efficiency outdoor luminaire designed for reliable and uniform illumination in both new installations and retrofit applications. Built with robust die-cast aluminium housing, the fixture ensures durability and long-term performance in demanding outdoor environments. It is engineered to replace conventional HID fixtures up to 1000W</p>		

<p>while delivering significant energy savings and improved lighting quality.</p> <p>The luminaire offers high luminous efficacy of up to 140 lumens per watt, with a wattage range from 200W and lumen output between 28,000 lumens. It features Lumiled 2835 LEDs paired with a Sosen non-isolated driver, ensuring stable performance. The system supports input voltages of 100–277V and 277–480V, making it suitable for varied electrical conditions. For flexibility in lighting design, the light provides non-tuneable correlated color temperature (CCT) options ranging from 3500K to 5000K, along with wattage tuning capabilities. It maintains a high power factor of ≥ 0.95 and a color rendering index (CRI) of ≥ 70. The fixture also supports 0–10V dimming and can be optionally equipped with daylight or microwave sensors for smart energy management. Optically, the luminaire is equipped with PC lenses and offers multiple beam distributions such as Type III, IV, V, $90^\circ \times 120^\circ$, and 60°, ensuring suitability for various roadway and area lighting applications. The unit is rated IP65 for water and dust resistance and IK08 for impact protection, making it reliable under harsh environmental conditions. It can operate in temperatures as low as -30°C. Installation is versatile, with mounting options including slip fitter, trunnion, and pole mount configurations. The product is designed for long service life and is backed by a 3-year warranty, ensuring confidence in performance and durability.</p>		
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अटी व शर्ती :-

१. सीलबंद दरपत्रके दिनांक- २६/०३/२०२६ ते दि.०२/०४/२०२६ रोजीपर्यंत दुपारी ३.०० वाजेपर्यंत पनवेल महानगरपालिकेच्या विद्युत विभागात किंवा pmcelectrical123@gmail.com या ई-मेलवर स्वीकारण्यात येतील.
२. सदरचे दरपत्रक हे अंदाजपत्रक बनविण्यासाठी असून सदर कामांवर Manufacturer/Dealer/Contractor चा दावा (Claim) असणार नाही.
३. Manufacturer/Dealer/Contractor ने दिलेले दरपत्रक स्विकारणाचे सर्व अधिकार पनवेल महानगरपालिकेकडे असतील याची नोंद घ्यावी.


 विद्युत विभाग प्रमुख
 पनवेल महानगरपालिका

प्रत माहितीस्तव :- माहिती फलककरीता