



# पनवेल महानगरपालिका

ता. पनवेल जि. रायगड

कार्यालय- आयुक्त मुख्यालय, २ रा मजला, देवाळे तलाव समोर,  
गोखले हॉलच्या शेजारी, पनवेल- ४१०२०६  
दुरध्वनी क्र- ०२२-७४५८०४०/४१/४२  
Email Id: panvelcorporation@gmail.com



जा.क्र. पमपा/विद्युत/२०२३/प्र.क्र.०७/८६५/२०२३

दिनांक-३१/०८/२०२३

## जाहिर सुचना

मा. आयुक्त, पनवेल महानगरपालिका यांच्या वतीने विद्युत विभागातील खालील नमुद कामाचे अंदाजपत्रक बनविण्याकरीता संबंधीत Manufacturer/Dealer/Contractor कडून विद्युत विषयक बाबींचे दर मागविणे.

कामाचे नाव- पनवेल महानगरपालिका क्षेत्रातील विविध ठिकाणी सोलार हायमास्ट बसविणे.

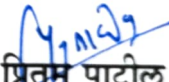
| अ.क्र. | कामाचे तपशिल  | परिमाण | कालावधी   |
|--------|---|--------|---|
| १.     | Supplying and erecting 12.5 m (clear height) manually operated high-mast (Top -150mm, Bottom- 360mm) hot dipped galvanized material with average minimum thickness 85 micron, made from high tensile structure grade steel as per BSEN - 10025 S 355/E350 & 3mm thickness, with base plate 25 mm thick x OD 520 mm grade as per IS-2062, pole made in single section & submerge arc welded, with lowering & raising motorized unit, wire rope stainless steel 316 grade 2 nos., 7x19 construction 10mm, SG-DG U clamps, double drum with assembly 400 kg, 5x 2.5 Sq. mm. flexible copper cable with lantern carriage assembly suitable for max. 8 nos. luminaires and its control gear box, lightning arrestor, arrangement for fixing aviation light, high-mast with serial number, factory inspection report/test report of high-mast should be provided as per specifications on provided foundation ] type stud/bolts with necessary accessories complete as per specification no. OHPL/HM (excluding luminaries) | १      | दिनांक-३१/०८/२०२३<br>ते<br>दिनांक- ०७/०९/२०२३<br>(८ दिवस) |
| २.     | Supplying and erecting DC LED flood light fitting of 24V 100W, including first 6 hr. full intensity light output and following 6 hr. with half intensity light output, with lumen < 15000, colour temp 5700K - 6500K <, colour rendering index > 70, PWM/MPPT charge controller efficiency >90 %, LED driver  | १      |   |

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|----|---|---|--|
|    | <p>efficiency &gt;90%, Duty cycle first six hours 100%, Rest 50% light, LED external optics 145X90 degree street light lens , class IP 65, charge controller methodology - three stage battery charge monitoring algorithm, maximum charging current 10 Amps, short circuit protection, battery over charge protections, battery deep discharge protection, solar panel dusk to dawn operation NTTV- 4V, DTTV- 6V, battery low load disconnect voltage 21.6V, battery full load disconnect voltage 26V, battery constant voltage set point 28.8V, LED Indication- green off: battery not charging PV low, green on: battery charging , green flashing: battery full, Red off: battery not discharge, Red on: Battery discharge, load disconnect, overall dimension- 400mm X 195mm X 100mm and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete. (5 Yrs Warrantee)</p>         |   |  |
| ३. | <p>Supplying, installing, testing and commissioning Of Lifepo4 battery with capacity of 24V- 100 Ah with 8S 20A BMS Cell having duty cycle &lt; 3000 suitable to charge lithium cell with necessary wiring connections With IP 65 alluminium cabinet with stand and nut bolts complete. ( Nominal Voltage - 24V, Nominal Capacity - 100Ah, Stored Energy- 2.6Kw Cycle@0.5C 80%DOD &lt;3000, Charge Voltage - 29.2, charge mode - CCCV, Standard charge current- 20 amp, standard discharge current- 25, max charge current- 20 amp, low voltage cutoff- 22.4, casing material- Alluminium/MS Cabinet with Powder Coating, Terminal- MC4 connector, charge temp range - 0-60C, Discharge temperature range - 0- 60 C, Storage temp - 20- 45C (5 Yrs Warrantee)</p>   | १ |  |
| ४  | <p>High mast 12.5 mtr with 6 nos Solar Luminaire. The Total luminaire wattage 390 W &amp; Total Lumen Package of 72,000 Lumens shall have highly efficient mid power white dimmable LEDs Minimum 65 W X 6 Nos, of 12000 Lumen X 6 Nos. of Fixture with lumen output of Minimum 12000 Lumens Per Fixture , and a typical corelated color temperature of 5700K with CRI&gt;70 and lenses with efficient optics designed for efficient light distribution for secondary roads. The Lumens Output of the Fitting shall be of Minimum 12000 Lumens per Fixture for High Mast with LM79 Report from Any NABL Accredited Lab. The Efficacy of Luminaire shall be of Minimum 185 Lumens / Watts. Total Wattage of Luminaire should not be More than 390 W in Order to optimize required PV / Battery Sizing for 2 nights to be design with dimming profile mention in the tender Life will be 50000 Burning hours life class.</p> | १ |  |

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| ६ | <p>High mast 9 mtr with 4 nos Solar Luminaire. The Total luminaire wattage 260 W &amp; Total Lumen Package of 48,000 Lumens shall have highly efficient mid power white dimmable LEDs Minimum 65 W X 4 Nos, of 12000 Lumen X 4 Nos. of Fixture with lumen output of Minimum 12000 Lumens Per Fixture , and a typical correlated color temperature of 5700K with CRI&gt;70 and lenses with efficient optics designed for efficient light distribution for secondary roads. The Lumens Output of the Fitting shall be of Minimum 12000 Lumens per Fixture for Mini Mast with LM79 Report from Any NABL Accredited Lab. The Efficacy of Luminaire shall be of Minimum 185 Lumens / Watts. Total Wattage of Luminaire should not be More than 260 W in Order to optimize required PV / Battery Sizing for 2 nights to be design with dimming profile mention in the tender Life will be 50000 Burning hours life class.</p> | १ |  |
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**अटी व शर्ती :-**

१. सीलबंद दरपत्रके दिनांक- ३१/०८/२०२३ ते दि. ०७ /०९/२०२३ रोजीपर्यंत दुपारी ३.०० वाजेपर्यंत पनवेल महानगरपालिकेच्या विद्युत विभागात किंवा pmcelectrical१२३@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.

  
 प्रतिक पाटील  
 विद्युत विभाग प्रमुख  
 पनवेल महानगरपालिका

**प्रत माहितीस्तव :-**

१. माहिती फलककरीता