

जाहिर सुचना

उप आयुक्त (उद्यान विभाग), पनवेल महानगपालिका हद्दीत नागरी दळणवळण साधनांचा विकास अंतर्गत प्रवाशांच्या सोयीसाठी विविध ठिकाणी पर्यावरण पुरक बस थांबे विकसित करणेबाबत आवश्यक बाबींकरिता बाजारभाव दरपत्रके मागविण्यात येत आहे. सदर बाबतचा तांत्रिक तपशील खालीलप्रमाणे आहे.

Sr. No	Description	Quantity	Rate
1	पर्यावरण पुरक बस थांबे	01 Nos.	Rs..... Per Unit

Technical Specifications are given below

Overall Size:

- **Length:** 24' X **Width:** 7' X **Height:** 11'

Footprint Size:

- **Length:** 20' X **Width:** 5'

• Structural Design Standard:

- Structure of the cabin to be designed for Seismic Zone 3 and Wind Speed 35 m/s. A Certificate from a Registered Structural Engineer is required to be provided by Vendor.

• Structural Members:

- **Material:** GI Rectangular Hollow Section (JSW/TATA Make)
- **Base Frame:** GI Hollow Section of size 100 x 100 x 3mm (Apollo/TATA/Jindal Make)
- **Corner Post:** GI Hollow Section of size 100 x 100 x 3mm (Apollo/TATA/Jindal Make)
- **Top Frame:** GI Hollow Section of size 100 x 100 x 2mm (Apollo/TATA/Jindal Make)
- **Wall Stiffener:** GI Hollow Section of size 100 x 100 x 2mm (Apollo/TATA/Jindal Make)
- **False Ceiling Grid:** GI Hollow Section of size 50 x 50 x 2mm (Apollo/TATA/Jindal Make)
- **Roof Grid:** GI Hollow Section of size 50 x 50 x 2mm (Apollo/TATA/Jindal Make)
- **Seating Arrangement:** GI Hollow Section of size 65 x 65 x 2mm (Apollo/TATA/Jindal Make)

• Wall Panelling:

- **Exterior:** GI specially formed flat panel system made with CNC bending process of sheet thickness 1.2mm and galvanizing thickness of 120 GSM (JSW/TATA Make) with arrangement for branding.
- **Interior:** Aluminium composite panels of 3mm thickness with necessary supports with arrangement for branding.

• Seating Benches:

- Wood Plastic Composites panels exterior grade with arrangement for seating for 10 people.
- **Roofing:**
 - GI specially formed flat panel system made with CNC bending process of sheet thickness 1.2mm and galvanizing thickness of 120 GSM (JSW/TATA Make) with arrangement for branding.
- **Painting:**
 - Complete structure to be coated with 2 coats of zinc-rich primer followed by two coats of epoxy primer. Base frame must be coated with a special type of anti-corrosive paint to prevent rusting. Roof will be coated with a special type of heat reflective paint for better heat resistance.
- **LED Lights:**
 - 20-Watt concealed panel light with vandal-proof arrangement and necessary grills.
- **Ceiling Fan:**
 - Concealed electric fan with vandal-proof arrangement and necessary grills.
- **Automation:**
 - Automated timer switch arrangement for automatic on/off lights, signage, and fan during day/night.
- **CCTV:**
 - 3 IP cameras of 2 MP (HIK Vision/CP+), 4 Channel NVR with 4TB Hard Disk provision, 30 days backup, 8 Channel POE Switch, and D-Link CAT6 Cable. Cameras to be connected to the web server via 4G router and 4G SIM connectivity.
- **Scrolling Signage:**
 - Scrolling LED signage for bus number indication and advertisement with necessary grills.
- **Electrical Fittings:**
 - 4 LED tube lights, 10 x 6 Amp points, 2 high-speed ceiling fans with necessary MCB and ELCB (L&T make) provision for safety.
- **Solar System:**
 - **Solar Panels:** 550W Monocrystalline panels x 3 (WAAREE or Equivalent MAKE)
 - **Inverter:** 2 kW Off-Grid Inverter with MPPT Charge Controller
 - **Batteries:** 2 x 12V, 200Ah lead-acid batteries (connected in series)
 - **Charge Controller:** 30A MPPT Charge Controller
 - **Additional Considerations:**

- Durable and appropriately angled panel mounting system
- Proper gauge wires, connectors, and fuses for safety
- Professional installation
- **Pole Mounted WPC Dustbin:**
 - **Stand:** GI 60mm hollow section with MS flange at the bottom.
 - **Side Cladding:** WPC sections on GI stand.
 - **Colour:** Wooden finish on WPC; matte black powder-coated MS body.
 - **Volume:** 100L (50L each side).
 - **Liner:** LLDPE liner with locking arrangement to avoid vandalism.
 - **Dimensions:** 360mm (L) x 860mm (W) x 950mm (H).
 - Lid Type: Hinged MS top lid for easy liner removal.
 - **Grouting:** 10mm thick, 150mm diameter GI flange with 4 holes on 120mm PCD for 10mm anchor fasteners.
 - **Ash Tray:** Included on top lid.
- **Canopy:**
 - Decorative canopy made as per approved design; complete canopy structure made in GI 1.2mm specially formed section.
- **Signage Lollipop:**
 - Lollipop signage of Diameter 2.5' mounted on roof of the bus stand for visibility of the bus stop from a long distance.
 - It will have Led lights along with vinyl branding Artworks on both sides.
- **Writing Desk:**
 - **Material:** FRP (Fibre Reinforced Plastic).
 - Mounted on one of the right-side walls as per the approved Drawing with necessary gelcoat finish with high abrasion resistance.
- **Front and Side Display areas:**
 - **Material:** 8mm clear unbreakable polycarbonate Sheet
 - Left, Right and front windows as per the approved Drawing.
 - The display area will be covered with necessary 3M vinyl branding showcasing public message or advertisement.