

पनवेल महानगरपालिका
जाहीर निविदा दरपत्रक

आयुक्त, पनवेल महानगरपालिका हद्दीतील कळंबोली नोड मधील पावसाळी पाण्याचा निचरा सुरक्षीत होण्याकरीता होल्डींग पाँड (धारण तलाव) येथे पंपिंग स्टेशन बांधणे व इतर अनुषंगीक उपाययोजना करणे. या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मार्गविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका हद्दीतील कळंबोली नोड मधील पावसाळी पाण्याचा निचरा सुरक्षीत होण्याकरीता होल्डींग पाँड (धारण तलाव) येथे पंपिंग स्टेशन बांधणे व इतर अनुषंगीक उपाययोजना करणे.	२१/०७/२०२३ ते २८/०७/२०२३ (७ दिवस)

Specification

Sr. No	DESCRIPTION	Quantity	Unit
1.	<p>Designing, Providing, installing, commissioning & testing with satisfactory test & trail necessary 2 gates (1 gate 2 pumps pattern) each of W 4.8m x H 2.9 m (9.6 mtr total length), control pannel, submersible pump with axial flow impeller of suitable duty point as below, 4 nos. flap valves of 1200 mm dia. PN 1.6 rating, with actuators etc. complete.</p> <p>Gate pump which has following detailed specifications :-</p> <ul style="list-style-type: none"> - Flow rate : 180 m³/min (3000 l/sec) - Total Head : 4.5 m - Type : Horizontal Gate pump - Electric motor : Not less than 200 kW x 12 P x 3 phase x 415 V x 50 Hz - Statrting method : Soft-starter starting <ul style="list-style-type: none"> • Pump material : <ul style="list-style-type: none"> - Propeller - Stainless steel - Stuffing box - SSC 13 [G-X6CrNi189-1.4308] - Motor shaft - STS 410 [X10Cr13] - Suction & Discharge casing - GC 250 [GG25] - Mechanical seal: SIC - SIC - Cable type and length: PNCT(HO7RN-F), 10m - Wear ring: STS 304PNCT(HO7RN-F) • Pump sensors : <ul style="list-style-type: none"> - Stator thermal protection - Bi-metal & PT-100Ω - Bearing thermal protection (lower, upper) - PT-100Ω - Motor housing & Terminal box moisture sensor - Switch or Electrode type - Water in Oil & Vibration sensor - Analog type 	4.00	Nos.

	Stop Logs		
	Supply, erection, testing & commissioning of Aluminium Stop log gate, frame, lifting beam and storage rack to store the aluminium stop logs for up stream & down stream side as per detailed specifications.		
2.	a) A set of 27 nos. sub-assembled aluminium alloy 6061-T6 stop log segments of size 2100 (w) mm x 300 (h) mm (Total Stop Log Height - 8100 mm) to cover the civil channel opening of size 2100 (w) mm x 8000 (h) mm, designed to suit 8.00 m water column height seating as well as unseating type) from invert level of gate opening.	8.00	Sets
	b) A side wall embedded aluminium alloy 6061-T6 guide frame of size 2100 (w) mm X 8000 (h) mm (includes LHS & RHS i.e. both side guides frame member & bottom frame member) for aluminium stop logs. Three side sealing arrangement.	8.00	Nos.
	c) One no. common lifting beam to lift up / lower down stop log segments of size 2100 (w) mm x 300 (h) mm. MOC: mild steel epoxy painted.	2.00	Nos.
	d) One no. common storage rack to store/house 27 nos. sub assembled aluminium stop log segments of size 2100 (w) mm x 300 (h) mm. MOC: mild steel epoxy painted.	8.00	Nos.
	Mechanical Screen		
3.	a) Providing, installing and commissioning Multi Rake bar Type SS Mechanical Coarse Screens with 20 mm bar spacing and bar thickness 10 mm, along with suitable motor drive mechanism, control panel, MOC SS-316 L, complete as per detailed specifications & as directed by Engineer. 2.1 (w) m x 4.5 (SWD) m	4.00	Nos.
	b) Providing, installing and commissioning conveyer belt set of size 600 mm wide X 10500 mm long (Center to center distance), capable to collect the garbage and travel up to collection spot, with pull cord switch, cable etc complete	1.00	No
	CFD Analysis		
4.	Carrying out detailed technical study of the intake pond and the pumps to be installed and constructing a scaled model along with CFD analysis for understanding flow pattern in detail and the location, and nature of the vortices etc. complete for trouble free and efficient running of the pump sets.	1	Job
	Submersible Non Clog Pump		
5.	Designing, Providing, installing, Commissioning & testing with satisfactory test & trail of Non-Clog Sewage Submersible pumps with three phase electrical motor of suitable designed rpm but not more than 1450 rpm, with auto coupling and guide pipe and suitable for solid handling min 40 mm, continuous duty with F class Insulation, suitable to operate required duty conditions & specified requirement etc. comp. as per detailed specification Discharge : 834 LPS Head : 8 Mtr Operating Range = 6 m to 10 m Motor rating : 170 HP (3 Working)	3.00	Nos.
6.	LED FIXTURE - LIGHT LYRA -35-45W Power Module LED, 3000K		

	<p>Light LYRA:ROUND design Body Made of Pressure die casting aluminium and extruded aluminium. Screen made of clear,transparent tempwered glass.Auxiliary and optical compartment can be accessed by opening the top frame. silicon gasket provided between frames. Pure polyester powder coating in RAL 9005 Colour. IP Rating - IP 66.Height – 550mm, dia - 420 mm,Weight - 9.65Kg, Area Exposed to Wind(S) - 0.15 m2 Power LED Module with high efficacy LED's , on Printed Circuit Board with metal core plate. Colour Rendering Index: Ra > 70.Electronic Power Supply for LED Module, which offers Protection against Short Circuit, Over- Voltage & Over- Current, with in-built surge protection (an additional surge protection device of 10kV also provided in-built the fixture). Modular lens in PMMA with Type-II/V photometric distribution options. Estimated LED Lifetime is L70 @ 70,000 hours minimum.LM79 report should be submitted from UL Authorised Laboratory. Light Fixture Sample should be submitted for approval from concerned engineer-in charge.</p>	50.00	Each
7.	<p>ARCHITECTURAL POST TOP POLE WITH ILLUMINATED BASE :</p> <p>3M height Pole made of in combination of hot dip galvanised mild steel pipe sections 89mm dia. Architectural illuminated Base made of cast aluminium with bottom portion in dia 300mm Dia. & total 1000mm height. the top dia should be 130mm. base should have 4 openings on four side and leds with suitable colour should be provided on the top side which can give illumination on the ground through the four openings. .Pole & Cast iron/aluminium parts are painted in 3 layer coating in which 1st layer with etch primer, 2nd layer with epoxy primer & 3rd final layer with PU metallic paint – Neri Grey. Entire pole shall be made to provide pleasing aesthetics as approved by Concerned Engineer in-charge. After Fabrication, Entire Pole is hot dip galvanized(60 microns Minimum) for the effective corrosion resistance . The hot dip Galvanised pole should be provided with an inbuilt junction box to fix 32A connectors and 6A MCB, at the bottom - the inbuilt box should have a flush door of suitable size. The decorative pedastal to be mounted on a suitable size steel plate. This mounting steel plate along with foundation bolts of suitable size to be used for ensuring firm grouting into the specially designed RCC foundation. wind pressure calculation as per IS 875(part-3) & structural calculation report as per EN40 should be submitted to verify the pole design. Pole & it's parts are painted in 3 layer coating (coating thickness-100 microns minimum) in which 1st layer with etch primer, 2nd layer with epoxy primer & 3rd final layer with PU paint .</p>	50.00	Each
8.	<p>Providing and installing Sclupture Information Wall with duco paint as per drawing and specification. The item includes all necessary accessories, fixtures and equipments required for installation of entire assembly etc. Complete.</p>	21.00	Nos.
9.	<p>Providing and Installing Cast Iron Benches . ELEPHANTO-3SEATER FurniFuture Elephanto 4mm Thick FRP and Heavy Duty Cast Iron Park Bench 3 Seater for Outdoor Garden Balcony and Terrace Amazon ASIN: B09KTYLCCP Description: Cast Iron Leg Support weighing 33kg, painted with black paint 8 x 5ft long 4mm</p>	78.00	Nos.

	thick FRP slats strong enough to hold weight upto 350 kg distributed across length Nuts and bolts and Plastic end caps for FRP slats and support strips will be supplied along The product comes in knock down condition for easy transportation and assembly not in our scope. Number of FRP Slats/Strips - 8 Nos (Including Transportation)		
10.	Supply and instalation of Twain Pole Mounted Dustbin with Roof. The item includes all necessary accessories, fixtures and equipments required for installation of entire assembly etc. Complete.	231.00	Nos.

वर नमूद सुचित दर्शविलेल्या बाबींचे पुरवठा करणारे पुरवठादार/दुकानदार/उत्पादक/विक्रेते यांनी नमूद केलेल्या बाबींकरीता असलेले दर स्वतःच्या लेटरहेडवर महापालिकेच्या कार्यालयात अथवा ई-मेल द्वारे pmcbandhkamdept01@gmail.com यावर दिनांक २८/०७/२०२३ पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.


कार्यकारी अभियंता (प्रकल्प)

 पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/ ६५२१ /प्र.क्र.१४६ / २०३७ /२०२३
दि. २१ / ७ /२०२३

प्रत माहितीस्तव —

१. प्रसिध्दीकरीता
२. माहिती फलक करीता