



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
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जा.क्र. पमपा/मल.वि./२२२५/०२/१२११/२०२५

दिनांक-२३/०९/२०२५

जाहिर निविदा दरपत्रक सुचना

मा. आयुक्त, पनवेल महानगरपालिका खालील नमूद कामाचे अंदाजपत्रक बनविण्याकरीता खालील बाबींचे दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	कालावधी
	पनवेल महानगरपालिका मालकीच्या कामोठे, सेक्टर-३२ येथील ८५ द.ल.लि. क्षमतेच्या मलप्रक्रिया (STP) केंद्रांचे नुतनीकरण करून दोन वर्षाकरीता परिचलन, निगा, दुरुस्ती करणे.	दिनांक- २४/०९/२०२५ ते दिनांक- ०१/१०/२०२५ (८ दिवस)

Sr No	Discription	Qty	Unit
1	Sluice Gate		
	Manual operated Aluminium Open Channel Gates a. Sluice Gate Frame & Thimble (if applicable) - Aluminium, Gate Door/ Plate - Aluminium, Contacting Faces - P type EPDM Guides Brackets - MS IS 2062, Stem and Extended Spindle - AISI : 410, Stem nut - AISI : 304, Head Stock/ Gear - CI IS 210 FG 260, Hand Wheel - MS IS 2062, Lift Nut - GM- LTB-2, Stem nut-ASIS 304, Pedestal- MS IS 2062 gr B + Epoxy Coat, Hand wheel MS IS 2062 gr B, Foundation bolts & Nut - AISI : 304, including Actuators		
	1500 (W) X 800 (H) mm	2	Nos
	1500 (W) X 1100 (H) mm	2	Nos
	1200 (W) X 1200 (H) mm	2	Nos
	2000 (W) X 1200 (H) mm	1	Nos
2	Belt Conveyor		
	Conveyer belt set of size 600 mm wide X 3500 mm long (Center to center distance), capable to collect the garbage and travel up to collection spot, with pull cord switch, cable etc complete	2	Nos
3	Non-Clog Sewage Submersible pumps		
	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 100 mm, continuous duty with F class Insulation, suitable to operate required duty conditions & specified requirement etc. comp. as per	4	Nos

	detailed specification Discharge : 1771 M3/hr , Head : 24 Mtr, 235 HP		
	Pump Specification: 1 Liquid To be Lift = Sewage 2 Specific Gravity / PH/ Temp = 1.05/ 6 To 8/ Ambient 3 Pump Casing = CF 8 4 Impeller = CF-8M 5 Shaft = AISI 410 6 Cable gland = SS -304 7 Motor body = CF 8 8 Automatic coupling = SS -304 9 Seal cover = SS -304 10 Duck foot bend = SS -304 11 Guide pipe = SS -304 12 Lifting chain with Shackle = SS -304 13 Solid Handling size in MM (Soft Solid) = 100 mm 14 Efficiency = Minimum 70% 15 Fastners = SS -304 16 Mech. Seal = SiC vs SiC 17 Protection = IP 68 18 Insulation = Class F 19 Pump Controller		
4	Resilient Seated Knife Gate Valve		
	Resilient Seated Knife Gate Valve, ZFI-S Series, Dia 1100 mm, Electrically Operated, Bonnet-less Design, Suitable for Uni-directinal flow application.	1	Nos
5	Mechanical Fine Screen		
	Screenmat" step Type Mechanical Fine Bar Screen. MOC: SS 304 Channel width: 1500 mm Channel depth: 1400 mm SWD: 900 mm Avg. Bar spacing: 6 mm Bar (lamella) Thickness: 2 mm Angle of inclination: 40 deg. to horizontal	2	Nos
6	Detritor Mechanism		
	Detritor Mechanism i) Grit Collection (Grits collecting mechanism structural wetted parts in SS304 3 arm construction consisting of vertical shaft & Neoprene Squeegees) ii) Washing (Organic Return Pump with SS 304 Shaft and Impeller) iii) Classification (400mm Dia Grits washing Screw Classifier mechanism with parts in contact with liquid is in SS316 construction) As per detailed specifications grits classification mechanism and organic return pump	2	Job
	Specification Central Shaft SS 304 Scraper Arm SS 304 Scraper Blade SS 304 Scraper Squeegees Neoprene Rubber / 10 mm Weir plate SS 304 Classifier Mechanism (Wetted Parts) SS 304 (Screw - 4mm and Trough - 3mm) Feed Deflector and Sleeve SS 304 Other Components of Classifier (Non-Wetted Parts)		

	MS IS 2062 Gr A / B ORP Impeller SS 304 ORP Shaft SS 304 Clamps & Hardware (Underwater) SS 304 Foundation bolt and above water fasteners MS Galvanised		
	Motor Details for Main drive,classifier drive,ORP Drive Motor Rating Suitable HP Type TEFC Motor Speed 1500 rpm (Sync.) Voltage / Phase / Frequency 415 V+/- 10%/ 3P / 50 Hz +/- 5 % Motor Insulation Class F Protection IP 55 Motor Make CGL / BBL / Equi Torque Protection-Overload Alarm & Motor Tripping by Electro Mechanical Over load Assembly Gear box helical type		
7	Decanter Assembly and Air Diffusers for C-tech Basin Work		
	Decanter Assembly and Air Diffusers for C-tech Basin Work A) Mechanical Works 1)Decanter overhauling includes- i) SGT 300 Worm Shaft -8 no ii) SGT 300 Bearing, Seals & O'ring -8 no iii) SGT 300 Rubber Bellow-8 no iv) SGT 300 GU-4-24-2-1-S-Spindle Tr 90 x 16-8 no v) SGT 300 guide ring - ANR 012145 -8 no vi) SGT 300 GU-4-24-2-1-S-square - incl. Dowel pin and head cap screw-8 No vii) SGT 300 GU-4-24-2-1-S-coupling hub R38 - dia 34-8 no viii) SGT 300 GU-4-24-2-1-S-coupling hub R38 - dia 35 -8 no ix) head 31051 KOPF-4 SGT300-6-10_26-8 no 2)Replacement of Decanter VFD with display-8 no 3)Replacement of Decanter motor-8no 4)Replacement of Decanter O'ring (main shaft male - female junction)-8no 5)Replacement of magnetic switch for each decanter (1 set includes 3 magnets & magnet switches)-8no 6)Float switch for each decanter-8no 7)Pressure transmitter for each decanter-8no	1	Job
	8)Minipanel Diffuser -3168 no 9)Diffuser SS clamps-6336 no 10)Diffuser O'ring-3168 11)Diffuser wedges-3168 no 12)Diffuser purge assembly -8no 13)SS Coupling clamp for downcomer-8no 14)Simalube-8no B) Eletrical Works PLC Hardware's excluding Panel -1 no		
8	Return Activated Sludge Pump and Surplus Activated Sludge Pump		
	RAS & SAS pumps having solid handling 50 mm, Casing - CI IS 210 Gr. FG 220, Impeller - CF 8M , Shaft and Sleeve - SS 410, Motor Parts - CI IS 210 Gr. FG 220, Fasteners -		

	SS316, Guide Pipe - SS 304, Lifting Chain - SS 304 with three phase squirrel cage motor 1450 rpm, suitable for continuous duty with F class Insulation, suitable to operate required duty conditions & specified requirement having efficiency above 65% suitable for soft, non fibrous as below including cable set (20 mtr.), auto rail coupling, duck foot bend, lifting chain, PMU having all protections, bottom stand, clamps etc. with TPI & Inspection		
9	a) Return Activated Sludge Pump	4	Nos
	Discharge : 470 M3/hr Head : 6 Mtr		
	Motor rating : 15 HP		
	b) Surplus Activated Sludge Pump	4	Nos
	Discharge : 105 M3/hr Head : 11 Mtr		
	Motor rating : 7.5 HP		
10	DO Sensor & Transmitter		
	DO Sensor & Transmitter for C tech Basin. Basic Model :- Oxymax COS61D Measuring Range :- Oxygen 0 to 20 mg/l Sensor Adaptions :- Crimp Sleeves Cable Length :- 10 m Transmitter liquid analysis Multiparameter + Multichannel applicable for process control, pH/ORP, conductivity, turbidity oxygen(DO), disinfection, SAC, nitrate, ammonia. Digital sensors; Memosens protocol, Navigator+softkeys, graphical display Plug&play for sensors+modules, SD-slot data logger, alarm relay, IP66+IP67, NEMA Type 4X enclosure. Easy to use, simple to maintain:: Use of precalibrated sensors :: Modular concept :: Extendable	4	Nos
11	Turbo Blower		
	Turbo blower of discharge 7950 Nm3/hr, differential pressure - 0.7kg/cm2, and motor shall be of High-speed Permanent Magnet Synchronous Motor (PMSM)includes Turbo blower with integrated PMSM motor b. Variable Speed Drive and Inverter - Factory tuned for High Speed Motor c. 24 Bit Color Touch Screen LCP i. LCP has built in control and monitoring programs ii. LCP monitors and displays inlet and discharge pressure, flow, temperature, motor speed, motor temperature, power consumption, filter pressure drop, and performance values iii. LCP can be set to run in 6 different operation modes d. Temperature sensors for the motor, air bearings, inlet air and discharge air e. Blow off valve to blow off air during start-up f. Blow off silencer to reduce the noise level of blow off air during start-up g. Blower Enclosure/Sound Enclosure - Houses the Blower h. Electrical enclosure - Houses inverter, PLC and electrical components i. Terminal Block/Electrical Connections for remote control via Ethernet or Serial Cable j. Internal Expansion Joint - Between the Blower Scroll and the Discharge Diffuser k. Internal Vibration Isolation Pads l. Built in Electric Line Reactor m. Discharge Flange attached to Blower for plant connection n. Built in Air Filters - One for Blower air and one for Inverter cooling air r. Extra Air filters - 1 set per blower	6	Nos
	MOC:- Impeller :-high strength aluminum alloy (A7075)		

	and 5 axis milling machine Rotor Shaft :- EN-24 of BS-970 Casing :- Ductile Iron / SG Iron Bearing :- Nickel alloy or stainless steel Air Bearings shall be non-contact type, bump type foil air bearings with oil free lubrication, low noise and no vibration. The wearing surfaces shall be made of Inconel. The system shall include Controller shall have 16-bit color touch screen with convenient user interface to support various operation modes such as Auto Flow Mode, Auto power mode, complete as per detailed specifications & as directed by Engineer.		
12	Centrifuge		
	Centrifuge capacity of 20.0 m ³ /h (3W+1S) sludge with suspended solids concentration of 0.8 % w/w suspended solids. - MOC of all wetted parts will be in SS 316 and casing/housing will be in SS 304 - Solid and Liquid Chutes in MSEP with 22 kW Centrifuge Motor - VFD Module enclosed Control Panel	4	Nos
13	Agitator		
	Agitator for polydosing tank having motor capacity 1.1 KW / 100 RPM	5	Nos
14	Polydosing Pump		
	Poly Dosing pump with PP liquid head & PVC fittings (Max.Cap. 320 LPH @ Max. Inj. Press. 5 kg/cm ²) 0.5 HP, 1440 RPM Motor. Spm - 144 - with IE 2 std. Non-FLP Motor, STD Painting and MRI STD QAP.	5	Nos
15	Air Blower for Sludge Tank		
	Air Blower Details is as follows Capacity - 135m ³ /hr Discharge Pressure - 0.4Kg/cm ² Differential Pressure - 0.4Kg/cm ² Proposed Operating Speed - 1240 RPM Recommended Motor - 5HP/1500RMP	2	Nos
16	Sludge feed Pump		
	Sludge feed pump with the accessories having motor 25 m ³ /hr, Bare Shaft Pumps, Base Plate - STANDARD (Included Foundation Nuts & Bolts), V-Belt, Pulleys, RPM- 450, Guard & Motor- (3.70K/W /6 Poles /TEFC- NFLP- IE-2) etc with acuator complete.	4	Nos
17	FeCl₃ dosing Pump		
	Supplying, installing, testing and commissioning of polydosing pump with Pump model gb-403 with pp liquid head & pvc fittings (max. Cap. 320 lph @ max. Inj. Press. 5 kg/cm ²) 0.5 hp, 1440 rpm motor. Spm - 144 - with ie2 std. Non-flp motor, std ainting and mri std qap.	2	Nos
18	BREATHING APPARATUS		
	upplying,providing and erecting of breathing apparatus for wet well pump installation including full set weight - 14 Kg ,cylinder body -steel ,capcity of cylinder -6.8ltr ,200 bar duration -30 min with certificate,manualand carry bag etc complete .	1	Nos
19	CHLORINE KIT - CYLINDER KIT		

