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 /विद्युत/९९२६/प्र.क्र.-०२/१२४२/२०२६ **दिनांक-२२/१०/२०२६**

जाहिर निविदा दरपत्रक सुचना

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

अ.क्र.	कामाचे नाव	कालावधी
१.	पनवेल महानगरपालिका हद्दीतील भुखंड क्र.१७, सेक्टर-३६, खारघर व प्रभाग क्र.०९ मधील प्लॉट क्र. G-१ सेक्टर-०७ नवीन पनवेल (पूर्व) येथील आरोग्य केंद्राच्या इमारतीमधील पहिल्या व दुसऱ्या मजल्यावर उभारणेत आलेल्या डायलेसिस सेंटरमध्ये आवश्यक विद्युत उपकरणांचा पुरवठा करुन, वीद्युत जोडणी व सलग्न विद्युत विषयक कामे करणे.	दिनांक- २३/०९/२०२६ ते दिनांक-२५/१०/२०२६ **(३ दिवस)**

Specifications

Sr. No	ITEM	Item Descriptions	QUNATITY	UNIT
1.	FIRE EXTINGUISHER	ABC Stored Pressure type Fire Extinguisher 6 Kgs. capacity bearing ISI Mark for fighting ABC Class of Fire. The Extinguisher will be Manufactured Strictly as per BIS: 15683:2006 bearing ISI Mark with floor mounting powder coated stand	1	Nos.
2.	DX BASED AHU	Supply, Installation, Testing and Commissioning (SITC) of factory-fabricated double-skin, double-decker, horizontal floor-mounted Air Handling Unit (AHU) complete with insulated double-skin casing, internal lining/insulation, access doors, aluminium air dampers, filters, DX cooling coil, direct-drive plug fans, motors, vibration isolators, filter holding frames, flexible connections, drain pan, supports and all necessary accessories, complete in all respects as per approved drawings, design parameters and specifications. The AHU shall be arranged in two tiers as follows: Fan Section: Complete with SISW centrifugal direct-drive plug fan, high-efficiency motor, spring-type vibration isolators and all necessary accessories. Supply-Air Damper: Complete with manually operated aluminium damper.	1	Nos.

Inspection Facilities: Fan section shall be provided with toughened view glass, LED light and door limit switch. These facilities shall be provided for the fan section only.

A. UPPER TIER – RETURN / EXHAUST AIR SECTION

Intake Section: Complete with manually operated aluminium return-air damper with opposed/multi-leaf blades, suitable for the design airflow.

Pre-Filter Section: Complete with 50 mm thick box-type pre-filter, MERV-8, mounted on a common removable filter frame.

Fine Filter Section: Complete with 305 mm thick rigid-media fine filter, MERV-13, mounted on a common filter frame with suitable sealing arrangement.

Fan Section: Complete with SISW centrifugal direct-drive plug fan, high-efficiency motor, spring-type vibration isolators and all necessary accessories.

Discharge Plenum: Complete with 305 mm thick HEPA filter, MERV-17, including suitable filter holding frame and gasket/sealing arrangement.

Exhaust Air Damper: Complete with manually operated aluminium damper.

Inspection Facilities: Fan section shall be provided with toughened view glass, LED light and door limit switch. These facilities shall be provided for the fan section only.

B. LOWER TIER – FRESH / SUPPLY AIR SECTION

Fresh-Air Intake Section: Complete with manually operated aluminium fresh-air damper.

Pre-Filter Section: Complete with 50 mm thick box-type pre-filter, MERV-8, mounted on a common removable filter frame.

Fine Filter Section: Complete with 305 mm thick rigid-media fine filter, MERV-13, mounted on a common filter frame with suitable sealing arrangement.

Cooling Coil Section: Complete with multi-row, deep DX-type cooling coil, selected for the specified airflow, entering/leaving air conditions and required cooling capacity. Coil shall be complete with copper tubes, aluminium fins, suitable circuiting, headers, distributor, expansion device and all necessary accessories.

2500 CFM/15.0 TR

900 CFM/6.5 TR

3	**DX BASED AHU**	Supply, Installation, Testing and Commissioning (SITC) of factory-assembled, air-cooled DX (Direct Expansion) outdoor condensing unit, suitable for connection with the corresponding DX-type indoor/air-handling unit, having nominal cooling capacity of 11.0 TR and 8.5 TR, complete with inverter/scroll compressor(s), air-cooled condenser coil, axial-flow condenser fan(s), refrigerant circuit, expansion/control devices, safety controls, microprocessor controller and all necessary accessories, complete in all respects as specified herein and as per approved manufacturer's selection. 11.0 TR 8.5 TR	**1**	**Nos**
4	**ACTUATOR FOR FIRE DAMPER**	Supply, installation, testing and commissioning of powder-coated aluminium Exhaust Grilles, 4-way deflection type, complete with fixing frame, mounting accessories 6" x 6" 8" x 8"	**1**	**Nos**
5	INSULATION WORK	Supply, Installation, testing and commissioning of EXHAUST Cabinet type single skin 0.8 mm thick outdoor mountable type, ceiling/floor mounted type fan with outlet velocity not more than 10 m/sec with all necessary supports.tontacts for IBMS compitbility wit IP Protocol. 1050 CFM, F.A. Inline 15mm ESP 475 CFM, F.A. Inline 15mm ESP 450 CFM, EXHU. Inline 15mm ESP 300 CFM, EXHU. Inline 15mm ESP 250 CFM, EXHU. Inline 15mm ESP	**1**	**Nos**

6.	INSULATION WORK	Supply, installation testing and validation of Aluminum made factory fabricated Laminar Flow Clean Room Plenum Units of 14 gauge thickness comprising of Terminal MERV- 17 HEPA Filters of Minipleat 99.999% Efficiency down to 0.3 Micron particle size installed in zero leakage Aluminum made frame with Aluminum made perforated plate type SA grille inclusive with all necessary 4 nos. supply air Aluminum made VCD with operating mechnaism below ceiling and the housing shall have end flanges to facilitate the filter & grill fixing with bottom loading arrangement. All necessary supporting SS-304 made structure , SS-304 made hangers,SS-304 made nut ,bolts, washers, SS-304 made channels, SS-304 made fasteners etc. shall be part of scope of supply.The contractor shall submit the GA drawing with technical specification before ordering for the Clean Room plenum. Clean Room plenum shall be designed at minimum at 25-35 FPM outlet terminal velocity (As per revised NABH guideline) suitable for following mentioned supply CFM.		
7	INSULATION WORK	Supply Installation Testing & Commissioning of Modular Panels with Inbuilt risers will not be measured separately. They are measured in wall partition quantity. In wall partition, inbuilt riser to be created with G4 Pre-Filter and VCD/Damper, fabricated using 0.8 mm thick G.I. sheets on both sides, with an extension of 200 mm with 32 mm flange suitable for top / side connection. above the ceiling for duct connection, excluding grills, filters, and dampers.The riser panels shall be provided with suitable reinforcement for structural stability. Necessary stiffeners / frame / supports shall be provided within to avoid buckling of the riser panels. Insulation should be provided on the backside of the riser panels to avoid condensation. Inbuilt aluminum extruded volume control dampers shall be provided inside riser ducts to control airflow and shall be operable through riser grill cutouts. Risers shall have return air grills of the sizes given below; grills shall be of SS construction and shall include 25 mm thick G4 pre-filters. Riser GA shall be approved by the consultant before procurement by the vendor. The return air riser will be fabricated from 20 G powder coated GI sheets capping on either side. The riser shall be provided with four side bevelled SS 304 Perforated Grill. The SS 304 perforated sheet of 1.20 mm thick with 65% perforation area to be fixed on the wall panel by the magnetic locks (4-6 Nos). The magnetic locks are fixed to the riser frame with SS 304 screws. The perforated sheet will be supported on the wall panels itself. The bottom edge of the suction grill of return air riser will be 100 mm above the finished floor level.		

8.	INSULATION WORK	Supply and installation of Air-Cooled DX Ductable/Hi-Wall Indoor Unit (IDU) complete with DX cooling coil, insulated drain tray, drain pump, fan/motor assembly, washable air filter, electronic controls, thermostat/remote controller, suitable control interface, condensate drain connection, necessary supports, vibration isolators, fixing accessories and all other required accessories, complete in all respects as per approved specifications and manufacturer's recommendation		
9.	TIMERS	Supply, Installation, Testing, & Commissioning of 12 - Hourly Sequencial Timers along with the Necessary Wiring / Cabling for Timed Operation of the Stand-By AC Units & fan		
10.	GRILLES / DIFFUSERS ALUMINIUM PODWER QUOTED	Supply, Installation, Testing & Commissioning (SITC) of 4-Way Square Ceiling Supply Air Diffuser fabricated from high-quality extruded aluminium sections with removable core, powder-coated finish (minimum 60–80 microns) in standard white (RAL 9010/9016) or approved shade. The diffuser shall be complete with opposed blade volume control damper (OBD), GI plenum box, flexible duct collar, and all necessary fixing accessories.		

11	GRILLES / DIFFUSERS ALUMINIUM PODWER QUOTED	Supply, Installation, Testing & commissioing of WITHOUT VCD FOR R.A 600 x 600 (NECK SIZE: 525X525)		
12	GRILLES / DIFFUSERS ALUMINIUM PODWER QUOTED	Supply insyalltion testting and commissioning of Cabinet inline fan (For Battery room) with H2 sensor and it all control / power cabling , sensor to be comunicable type for IBMS and to triger the fan, fan with NO / NC Contanct to and control / operate from IBMS / H2 sensor with open protocol and power panle for ON / OFF , TRIP status from BMS with all required power and control cabling. 300 CFM- 15mm ESP Back Draft Damper		
13	MAIN PANEL	63A FP MCCB, 25KA - 01set With MFM Meter with all elect parameters , LED Cluster Indicating lamps, ELR WITH CBCT per incomer and control MCBs- 3 Nos and 63/5 CTs-3 nos -01 Set & all other required accessories CBCT & ELR for main incomer Bus :63A AL BUS TPN Outgoings 63A/40A FP MCB -05 set 25A DP MCB - 03 set RYB Indicating Lamps of LED Clustered type and Control MCBs 25KA SPD type -2		

14	MANIFOLD & PLANT ROOM (VTPN TYPE)	Supplying & erecting triple pole and neutral distribution board (VTPNDB) , vertical Cu Tinit bus bar type , with door surface/ flush mounted . with Earth leakage module for MCCB with adjustable earth fault sensitivity selection 10% to 50% of nominal current (In)and adjustable time delay 100/200 millisecond Incommer 1 set 63A FP MCCB With Earth Leakage Module Outgoings: 7 Nos 40A TP MCB's 5 Nos 25/16A SP MCB's		
15	**UPS**	60 KVA monlithic Online UPS system with 3 phase input, 3 phase output as per above specifications) to be installed in load sharing & parrellel redudent mode & required kit to be considered		
16	**UPS**	Battery Banks comprising of SMF VRLA 12V Battery block with 15 minutes backup at 0.9 PF with Aging factor of 10%Minimum VAH (vendor to Specify) @ 60 kVA load The bank of batteres shall comprise of required numbers of batteries connected in series. including Battery Rack to house batteries of MS powder coated along with Battery interlink uninyvin cables, DC Breaker / Isolator for battery isolation compelete in all respect		

17	**INVERTER**	Supplying , erecting, testing & commisioing Inverter of 5KVA,single phase input and output with Tubular Battery(12X4) 200 AH Duration 3 Hrs.		
18	**LT PANELS & DISTRIBUTIO N BOARDS**	Supplying, installation, testing & commissioning of following Indoor type, compartmentalized and sectionalized cubicle panel of suitable size, fabricated from cold rolled CRCA sheet steel of 2 mm thick , having vibration free structure chemically treated surface with seven tank process before painting, epoxy powder coated after two coats of anti-rust primer, making earth connections by providing copper earth strip of size 25 x 5 mm thick all along horizontal run of the panel suitable for operation on 3 phase 415 V 50 HZ AC supply i/c providing and fixing the following switchgear to be mounted thereon complete with gaskets, interconnections and earthing with suitable size PVC insulated FRLS copper wire .The panel shall be dust free, vermin proof and totally enclosed with Degree of protection of IP 54 as per IS 2147, with suitable cable/busbar alleys and shall be mounted on MS channels of size not less than 100 x 75 mm iron frame on floor etc as per specifications complete as required .Gland plates should minimum 3 mm thick and top and bottom. The boards shall be treated with all anticorrosive process before painting as per standards with 2 coats of red oxide primer & final approved shade of powder coating. 2 nos. earthing terminals shall be provided for 3 phase distribution boards. The boards shall be suitable for 415 V, 3 phase, 4 wire, 50 Hz supply system. Lifting hooks shall be provided in case of large boards. Boards shall be fabricated in easily transportable sections & length, height, depth etc to match with site conditions. An approval shall be taken for each panel before final manufacture.		

19	**MAIN PANEL**	**Incomer -** 1 No.630 A FP Solenoid type ATS with controller with all standard accessories 630A FP MCCB, 36KA - 1set With MFM Meter with all elect parameters , LED Cluster Indicating lamps, ELR WITH CBCT per incomer and control MCBs- 3 Nos and 630/5 CTs - 3nos -01 Set & all other required accessories CBCT & ELR for main incomer **Bus :630A AL BUS TPN** Outgoings 200A FP MCCB , 25KA- 04set 160A FP MCCB , 25KA- 01set 125A FP MCCB , 25KA- 04set 100A FP MCCB , 25KA- 03set 63A FP MCCB , 25KA- 03set 63A/40A FP MCB - 05 set 40/32/25A DP MCB - 02 set The Metering Compartment shall be incorporated with the following for each Incommer. 1) Load Manager with RS 485 Interface with PF indication.BMS compatible with required CTs etc required accessories RYB Indicating Lamps of LED Clustered type and Control MCBs 36KA SPD type 2			
20		APFC PANEL-100 KVAr **Incommer -** **200A TPN MCCB ,25KA - 01SET** **OUTGOING :** Stages for APFC **25KVAr MPP type Capacitor bank with 63A TP MCB & Capacitor duty Contactor - 01set** 20KVAr MPP type Capacitor bank with 40A TP MCB & Capacitor duty Contactor - 01set 15KVAr MPP type Capacitor bank with 40A TP MCB & Capacitor duty Contactor - 01set 10KVAr MPP type Capacitor bank with 20A TP MCB & Capacitor duty Contactor - 03set 5KVAr MPP type Capacitor bank with 16A TP MCB & Capacitor duty Contactor - 02set Busbar :200A,TPN tinned Aluminium Busbar suitable for 25 KA for 1 sec **APFC Relay,RYB Indicating Lamps of LED Clustered type and Control MCBs shall be provided.**			
21		HVAC PANEL Incommer - **125A FP MCCB, 25KA with shunt trip - 01set** **With MFM Meter with all elect parameters , LED Cluster Indicating lamps, ELR WITH CBCT per incomer and control MCBs- 3 Nos and 125/5 CTs - 3nos -01 Set & all other required accessories** CBCT & ELR for main incommer **Bus :125A AL BUS TPN** Outgoings **63A/40A FP MCB - 04 set** **32A/25A FP MCB -07 set** RYB Indicating Lamps of LED Clustered type and Control MCBs 25KA SPD type -2			

22		HVAC PANEL-02 Incommer - **160A FP MCCB, 25KA with shunt trip - 1set** **With MFM Meter with all elect parameters , LED Cluster Indicating lamps, ELR WITH CBCT per incomer and control MCBs- 3 Nos and 160/5 CTs - 3nos -01 Set & all other required accessories** CBCT & ELR for main incomer **Bus :160A AL BUS TPN** Outgoings **63A/40AFP MCB -05 set** **32A/25A FP MCB - 12 set** **RYB Indicating Lamps of LED Clustered type and Control MCBs** 25KA SPD type -2		
23		**External Lighting DB** Incommer 1 No.40A, FP MCB and 3 nos.40A/30 mA DP RCCBs each Timer switch with Contactor per phase with separate neutral & earth links per phase Outgoings 18 Nos.6A/10/16/20 A SP MCB's Note: All MCCB Should have min Breaking capacity of min 25KA unless specified All MCCB will have rotary handle All MCCB should have 100% Ics=Icu All MCCB incuding 250Amps & onwrads will have microprocessor based releases All MCB will be rated for 10KA breaking capacity & C'curve characteristics for power & B'curve for lighting power		

अटी व शर्ती :-

१. सीलबंद दरपत्रके दिनांक- २३/१०/२०२६ ते दि.२५/१०/२०२६ 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.

विद्युत विभाग प्रमुख
पनवेल महानगरपालिका

प्रत माहितीस्तव :-
माहिती फलककरीता