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.	1	Nos
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 Grili. 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.	1	Nos

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	1	Nos
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	1	Nos
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.	1	Nos

11	GRILLES / DIFFUSERS ALUMINIUM PODWER QUOTED	Supply, Installation, Testing & commissioing of WITHOUT VCD FOR R.A 600 x 600 (NECK SIZE: 525X525)	1	Nos
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	1	Nos
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	1	Nos

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	1	Nos
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	1	Nos
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	1	Nos

17	INVERTER	Supplying , erecting, testing & commisioing Inverter of 5KVA,single phase input and output with Tubular Battery(12X4) 200 AH Duration 3 Hrs.	1	Nos
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.	1	Nos

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	1	Nos
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.**	1	Nos
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	1	Nos

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	1	Nos
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	1	Nos
24	**IT NETWORKING TELEPHONE ,TV WIRING**	**Supply & erection of junction box for 20 pair Telephone Tag Block Crone type with lock & key arrangement duly powder coated concealed in wall with 20 pair korne module, etc complete.**	1	Nos

25	CCTV SURVEILLANCE SYSTEM	Supply, Installation, Testing & Commissioning of 32 ch upto 12 MP resolution supported, Incoming BW - Min. 320 Mbps, Outgoing Bandwidth - Min. 250 Mbps, Video o/p interfaces -2 HDMI port; atleast one supporting 4K resolution, 1 VGA port supporting 1080p resolution, Synchronous playback - 16ch, Facial Detection and Analytics - Face picture comparision, human face capture, face picture search, SATA interfaces - 8 sata interfaces with each supporting 10 TB, e-SATA - supported, Network interfaces - 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface, USB interface - 3× USB connectors, atleast one USB 3.0 supported, Alarm I/O - 16/8, Power supply - 100 to 240 VAC, CE,FCC,BIS/UL	1	Nos
26	IT NETWORKING TELEPHONE ,TV WIRING	Supplying and fixing tool-less IO (Ethernet) flush/surface type in provided modular box as per specification no. WG-NAS/IO & with face plate	1	Nos
27	IT NETWORKING TELEPHONE ,TV WIRING	Supplying and erecting 6 way splitter with surge superator	1	Nos

28	CCTV SURVEILLANCE SYSTEM	Supply , Installation , Testing and commissioning of HDD, 4TB, 7200 RPM, SATA 6 Gb/s, including fixing accessories and cable termination with required, complete in all respect as per instruction of engineer in-charge.	1	Nos
29	CCTV SURVEILLANCE SYSTEM	2Megapixel IP IR Dome Network Camera - 4mm Supply, Installation, Testing & Commissioning of 2 MP with 4mm fixed lens ,True day/night (IR-cut filter) , UL listed, WDR (120DB) , supports upto 64 GB SD card, 3DNR, with 15 m (50 ft) viewing distance, Motion, tamper detection, Dynamic range, Day / night, Electronic shutter, White balance, H.264/H.265, PoE, DC12V/AC24V, ONVIF profile S & G, Data encryption with all accessories like tamper proof screws, clamps, wiring etc. to mount the camera should be included as required.	1	Nos
30		2Megapixel IP IR Dome Camera for Lift - 2.8mm Supply, Installation, Testing & Commissioning of 2 MP ,True day/night (IR-cut filter) , UL listed, WDR (120DB) , supports upto 64 GB SD card, 3DNR,Motion, tamper detection,Dyamic range,Day/night,Electronic shutter,White balance, H.264/H.265, PoE, DC12V/AC24V, ONVIF profile S & G, Data encryption with all accessories like tamper proof screws, clamps, wiring etc. to mount the camera should be included as required.	1	Nos

31		5Megapixel IP IR OUtdoor Bullet Supply, Installation, Testing & Commissioning of 5MP 20FPS (2560x1920P) ,Image sensor - 1/2.7 inch Progressive Scan CMOS, Illumination - Colour: 0.005 Lux @ (F1.6, AGC ON) with 4mm fixed lens ,True day/night (IR-cut filter) , CE, FCC, UL/BIS, WDR (120DB) , supports upto 256 GB SD card, 3DNR, with IR Up to 60 m viewing distance, Motion detection, tamper detection, Dynamic range, Day / night, Electronic shutter, White balance, H.264/H.265, PoE, DC12V/AC24V, ONVIF profile S & G, Three streams, IP67, Data encryption with all accessories like tamper proof screws, clamps, wiring etc. to mount the camera should be included as required..	1	Nos
32		Supplying, installing, Testing & commissioning 55" FHD LED Monitor suitable for CCTV 24x7 Application with required stand / bracket , HDMI Cable , complete in all respect	1	Nos
33		Supplying, installing, Testing & commissioning 24 Port Gigabit PoE Managed switch with 2SFP ,370W	1	Nos
34		Supplying, installing, Testing & commissioning FM 45 Connectors with boot	1	Nos
35		Supplying, installing, testing and commissioning CAT-6 UTP Armoured Cables , Price should be inclusive of all necessary termination requires to connect the cables , sadels & spacers as per standard practice for out door cameras	1	Nos
36		Supplying, installing, Testing & commissioning 450-600mm long Mounting rod & bracket with required accessories for CCTV Dome/Bullet cameras from true ceiling	1	Nos
37		Supplying, installing, Testing & commissioning upto 3mtr long, 50mm Dia, GI Powder Coated, 2mm Thick , Mounting ploe with wall mount bracket , Camera mount & required etc accessories complete in all respect , for CCTV Dome/Bullet cameras from wall / on terrace	1	Nos
38		Supplying, installing, Testing & commissioning 6"x6" Metal Powder Coated back box for mounting Cameras, shade of powder coating to be matched with ceiling color	1	Nos
39	ACCESS CONTROL SYSTEMS	Supply, installation, testing & commissioning of of HID make only Readers (I Class R-10)	1	Nos
40		Supply, installation, testing & commissioning of Biometeric Thumb print readers complete	1	Nos
41		Supply, installation, testing & commissioning of HID make Door controllers of the following configuration. The controllers shall have open protocol and shall be integrated with Open Source Software. HID Aero X1100	1	Nos
42		Supply and installation of surface mounted monitored Magnetic door locks capacity of holding pressure of 650 lbs. with door feedback	1	Nos

43		Supply, installation, testing & commissioning of of Magnetic contacts for fire exit doors	1	Nos
44		Supply, installation, testing & commissioning of of Touch free IR Exit Switch	1	Nos
45		Supply, installation, testing & commissioning of Extra Exit Switch at Reception for Visitor Entry	1	Nos
46		Supply, installation, testing & commissioning of of Emergency Release Switch Switch (Green MCP)	1	Nos
47		8core 1.0 sq.mm Shielded, PVC Sheathed Copper armoured Cable	1	Nos
48		4 core 1.0 sq.mm Copper PVC Sheathed Cable	1	Nos
49		2 core 1.0 sq.mm Copper PVC Sheathed Cable	1	Nos
50	Dg set 320 KVA	Supplying, erecting, testing and commissioning of diesel generating set with alternator of **320 kVA** output continuous rating suitable for above DG sets complying to (CPCB-IV) + Norms **DIESEL ENGINE** The standard Design consists of Direct injection, turbo-charged, four stroke liquid cooled technology confirming to BS:5514 and IS 10000 suitable for prime duty generating set application as follows: The engine shall be complete with the following standard accessories: ➢ Dry type air cleaner ➢ Distribution-4 strokes ➢ No. of cylinder- Multi Cylinder ➢ Type of construction- In-line ➢ Exhaust silencer ➢ Expansion bellows ➢ Lube oil cooler ➢ Lube oil filter ➢ Fuel filter ➢ Radiator, radiator fan and mounting ➢ Fuel pump with governor ➢ Fly wheel with starter ring ➢ Battery charging alternator ➢ 12 Volt electric starter motor ➢ Set of documents comprising spare parts book and operation & maintenance manual ➢ Earth fault protection for a generator typically includes specifications like: operating current setting (pickup current), time characteristic (instantaneous, definite time, or inverse definite minimum time), neutral earthing impedance, injection frequency (for high impedance systems), sensitivity level, and fault location detection capability **ALTERNATOR** Alternator suitable rated at 0.8PF, 415V, 3 Phase,4-wire, 50 Cycles/Sec., 1500 RPM, Frequency- 50 Hz self-excited and self-regulated, Power Alternator Type- Single Bearing, Brushless,	1	Nos

Insulation Class H, Voltage regulation +/- 1% of rated voltage, from no load to full load, with temperature rise limit- Class "H" The alternator generally conforms to BS: 2613/IS: 4722.

ENGINE FEATURES

Four valve technology & Central injection system

- Engine is compliant to future emission norms.
- Lower lube oil sump capacity as compared to others, thus lower maintenance cost.
- Light weight & strong crankshaft material, gives better strength and increases the power train peak cylinder capability by 20 %.
- Engine can operate on 100 % bio-diesel giving 100 % power & lower emission
- Heavy duty Turbo charger fully matched for varying load conditions.
- Rugged design to meet toughest operating conditions.
- Compact & aesthetically designed CPCB IV+ approved canopy.
- Excellent transient response for sudden loading.
- State-of-art engine & genset monitoring system.
- Safety control for low coolant level in radiator, as standard feature.

SPECIFICATION OF CANOPY

Construction of Acoustic Enclosure

Acoustic enclosure shall be powder coated and fabricated out of 1.4 / 1.5 mm thickness MS sheet. The silent canopy shall be of nut bolt type construction. Powder coating is done after surface treatment process of sheet metal. Canopy panel and doors shall have inside lining of Fire-Retardant Foam as acoustic material. Hinged doors shall be provided to canopy, one door shall have glass window for control panel.

Surface Treatment-Painting

The enclosure surface is pretreated with 11 tank process and thereafter they are coated with high quality powder and are baked in uniform temperature in conveyor oven

Base Frame

The Base frame is rugged in construction and designed for mounting engine and alternator close coupled, with cross members mounted on AVM. They are fabricated with MS HR sheet steel of suitable thickness. The Base frame is pretreated and coated with primer-based powder / Epoxy paint.

Fuel Tank

Fuel tank is fabricated out of 2/ 3mm MS HR sheet integrated with base frame (Detachable) and is fitted with inlet and outlet connections.

Noise suppressor (Silencer)

Residential type Silencer is provided to suppress exhaust noise from the engine to meet CPCB IV+ norms.

Emergency Push Stop Button:

The canopy has the provision of emergency push button, external to the canopy.

Performance Parameters

		➢ DG with canopy is manufactured as per (ISO 3744 OR 8528 PT 10) to meet CPCB IV+ norms of average 75 DBA under green field conditions @ 1 meter distance from ail four sides. ➢ The average stabilized hot air temperature rise with in the canopy is maintained within 10° C over and above ambient temperature.		

अटी व शर्ती :-

१. सीलबंद दरपत्रके दिनाक- २३/१०/२०२६ ते दि.२५/१०/२०२६ रोजीपर्यंत दुपारी ३.०० वाजेपर्यंत पनवेल महानगरपालिकेच्या विद्युत विभागात किंवा pmcelectrical२३@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