पनवेल महानगरपालिका

वैद्यकीय आरोग्य विभाग

कार्यालय :- देवाळे तलावाच्या समोर, गोखले हॉलच्या शेजारी,
पनवेल-४१०२०६.

दुरध्वनी कार्यालय : ०२२ - २७४५८०४०/४१/४२
उपायुक्त कार्यालय : ०२२ - २७४५५७५१
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आयुक्त कार्यालय : ०२२- २७४५२३३९
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जा.क्र./पमपा/वै.आ.वि/1277 /सन २०२५-२६ दिनांक :9/ १२ /२०२५

जाहिर सुचना

पनवेल महानगरपालिका क्षेत्रातील मुत्रपिंड आजाराने ग्रस्त असलेल्या नागरिकांना पालिकेमार्फत मोफत डायलॅसीस सेवा उपलब्ध करुन देणेकामी पालिकेने नागरी प्राथमिक आरोग्य केंद्र प्लाट नं.१७, सेक्टर-३६, खारघर व G१, सेक्टर - ०७, नवीन पनवेल येथील नवीन इमारतीमध्ये ०२ डायलॅसीस युनिट (प्रत्येकी २५ खाटांचे) सेंटर कार्यान्वित करण्यात येणार आहे. या डायलॅसिस युनिटमधील उपचार घेण्याऱ्या रुग्णांना Medical Oxygen Gas अशा मेडिकल गॅसची आवश्यकता भासणार असल्याने दोन्ही डायलेसिस सेंटर मध्ये Medical Oxygen Gas, Medical Air Gas & Vacuum करिता पाईपलाईन पालिका स्तरावरुन उपलब्ध करुन घेणेकरिता एजन्सीची नेमणुक करण्यात येणार आहे. याकामी ई-निविदा प्रक्रिया राबविण्यात येणार असल्याने याकरिता येणाऱ्या खर्चाचे अंदाजपत्रक बनविण्यासाठी खालील नमुद केलेल्या बाबींकरिता बाजारभाव दरपत्रके मागविण्यात येत आहेत.

अ. क्र.	कामाचे नाव	मुदत
१	**MEDICAL GAS PIPING SYSTEM FOR PROPOSED DIALYSIS CENTER on Contract basis.** (Plot no.१७, Sector - ३६, Kharghar व G१, Sector - ०७, New Panvel)	**१२.१२.२०२५ ते १९.१२.२०२५ दुपारी ३.०० वाजेपर्यंत**

कामाचा तपशिल खालीलप्रमाणे:

Sr. no	Description of Items (For New panvel)	Qty	Units of Measure	Rate /Unit In Indian Rupees
1	Supply, Installation, Testing and Commissioning of 2 X10 Cylinder Main Manifold for Oxygen with NRV pipe connection and with middle frame with chain compatible for Control Panel . Wall mounting type gas anifold fabricated with 5/8"x 15 swg. Copper pipe as per BS EN 1057 &brass blocks as per IS 319 equally spaced at 250 mm fitted on duly powder coated MS frame (95 x 45). Hydraulically tested at 300 bar with high pressure non return Valve, 1.25 metre long 5/16" x l6g copper tail pipe	1	Per Set	

	tested at 300 bar. With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006, CE.CDSCO.			
2	Supply, Installation, Testing and Commissioning of 2 X4 Cylinder Main Manifold for Oxygen with NRV pipe connection and with middle frame with chain compatible for Control Panel . Wall mounting type gas anifold fabricated with 5/8"x 15 swg. Copper pipe as per BS EN 1057 &brass blocks as per IS 319 equally spaced at 250 mm fitted on duly powder coated MS frame (95 x 45). Hydraulically tested at 300 bar with high pressure non return Valve, 1.25 metre long 5/16" x l6g copper tail pipe tested at 300 bar. With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006, CE.CDSCO.	1	Per Set	
3	Supply, Installation, Testing and Commissioning Microprocessor based 2 Source Fully Automatic Control Panel (LCD DISPLAY -TOUCH SCREEN) for Oxygen with 40 micron filters both sides(Left Bank & Right Bank),2100 LPM. It shall be dome loaded fully automatic control panel and shall have touch screen display. The manifold shall consist of two bank regulators (dome bias) used to reduce the cylinder pressure to the two lines regulators which in turn controls the final line pressure. The manifold has an intermediate and line relief valve that is internally connected to a common vent port, terminating into a l/2" FNPT pipe. The header bars shall be equipped with high-pressure shutoff valves outside the cabinet to allow for emergency isolation of the header bars. The header bar shall incorporate integral check valves for each station. The manifold is equipped with pressure transducers, which sends information to the main circuit board for operation of the fail-safe relay which transmits a remote signal to the master alarm or buzzer. The external shut-off valves connecting to the header bars must be ball valves capable of withstanding pressure of 3,000 psi.With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO.Should also be installed with leak measurement device It should be specifically designed for measuring the flow of oxygen, catering to the requirements of hospital where precise oxygen flow control is critical, providing features for easy installation, versatile units election, and comprehensive diagnostic functions., It should incorporate at hermalmass flow sensor designed for measuring oxygen. It should utilizes a calorimetric measuring principle, eliminating the need for additional pressure and temperature measurements. It should supports digital interfaces such as Modbus RTU and RS485, facilitating seamless communication with other systems. Should also provides analog(4...20mA) and pulse outputs, ensuring compatibility with different data acquisition and control systems. Anda user- friendly display for unit selection and diagnostic functions. It should be designed to achieve a high level of accuracy, with specified measuring ranges 0-90 Nm/ hand accuracy levels of + 1.5% of measured value and + 0.3% of full - scale value. It should operate effectively in a temperature range of -3Oto80°C and can withstand operating pressure s ranging from-1 to 16 bar. It should be with display degreased or 02 service. The flowmeter	1	No	

	should be designed for case of maintenance It should include diagnostic functions that can be read on the display or accessed remotely, facilitating proactive maintenance.			
	Supply, Installation, Testing and Commissioning Terminal units for Gas of British Standard (METAL) gas outlets with stainless steel probe are CE marked as a Class IIb Medical Device 93/42/EEC with notified body British Standards Institute and stamped CE.With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO. It should have one-piece chromed fascia plate shall frame the outlet. With the back rough-in mounted, the outlet shall adjust from 3/8" [10 mm] to 1" [25 mm] variation in wall thickness. It should have modular design and include a gas specific 16 ga. [1.6 mm] steel mounting plate designed to permit on-site ganging of multiple outlets, in any order, on 5" [127 mm] spacing. It should be cleaned and degreased for medical gas service, factory assembled and tested. It should be Indexed to eliminate interchangeability of gas services. It should have 360° Swivel Inlet Pipe for easy installation and should have universal rough-in assembly to accept quick disconnects or diss front adaptors or BS Adaptors			
4	Medical Oxygen Gas	1	No	
5	Medical Air Gas	1	No	
6	Vacuum	1	No	
7	Supply, installation, Testing and Commissioning of BPC Flow Meter with Dehumidifier Bottle of Specifications: Flow Range: 0-15 LPM For Adult , Accuracy: ±10% of the scale value or 0.2 LPM, whichever is higher. Material: Brass (chrome plated), float (AISI 316 with mesh), filter (AISI 3 16 wire mesh). Inlet/Outlet Connection: 3/8" BSP RH. Calibration: 50 psig (3.45 bar) at 21°C. Operation Mode: Manual (with a knob to adjust flow). Supply, It shall fully comply and meets with active medical device of class ILA and in compliance with the EN ISO15002:2008 standard. It should be duly CE marked and comply with 93/42/EEC Medical Devices: General. It shall be CE marked with the notified body number specified. It shall be provided with a copy of the certificate of origin. Its Pressure compensated to prevent back pressure build upon flow indicator. Expanded scale providing higher reading accuracy. Durable polycarbonate flow tube with cover. Flowmeter should be placed in the vertical position. It should be lightweight of 200 g. The flowmeters should be of 0-15 LPM range for oxygen and with inlet pressure 50-60psi. (4.5 bar). The closing of the knob should be without any leakage. Polysulphone 250 cc Humidifier bottle should be unbreakable, reusable to disinfectants and complements.With Standards IS/ISO 15002:2008,IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006, CE.CDSCO.	1	No	

8	Supply, Installation, Testing and Commissioning of Ward vacuum unit Adult (1000 ml) with vacuum regulator a clear, autoclavable polycarbonate jar with varying capacities a vacuum range of 0 to 760 mmHg, a regulator with an adjustable knob for precise control, and a gauge to measure negative pressure, often with a range of 0 1o -760 mmHg. The jar is designed to be shatterproof and autoclavable, while the regulator typically has an aluminium body, brass inner parts, and a neoprene diaphragm. Conform to relevant standards IS/ISO 10079-3 :2014 for devices .IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006, CE.CDSCO.	1	No	
9	Supply, Installation, Testing and Commissioning of Medical Grade Copper Pipes BSEN 13348:2016, CE Cerified.Kite Marked. Copper Pipes used should be solid drawn, seamless, Deoxidized phosphorus, non-arsenical, half hard, tempered and degreased. Manufactured as per BSEN 13348:2016 in cither R250 half hard or R290 hard meeting the requirements as per the Medical grade Copper pipe standards. Degreasing of pipe shall be such that there is less than20mg/m2(0.20mg/dm2 of hydrocarbons on the degreased surface when tested by method specified by BSEN13348: 2016. 1t should also have LLOYD third-party inspection of copper pipes. The supplier should provide Manufacturer's Test Certificate of copper Pipes for physical Properties and chemical composition. Copper pipes joined by silver brazing method for copper to brass. Inert gas welding technique should be used by passing Nitrogen gas inside the copper pipes during brazing, in order to avoid carbon deposition inside the copper pipes. All copper pipes and fittings like bends, Tees, reducers and straight couplings should be As perENI254-1 Copper pipes to be fixed with walls with suitable saddles and supports after erection, All the pipes should be cleaned or purged with the help of dry nitrogen gas,& Should be tested with dry Nitrogen			
10	12 mm Thickness 0.9 mm	1	RMTR.	
11	15 mm Tickness 0.9 mm	1	RMTR.	
12	22 mm Thickness 0.9 mm	1	RMTR.	
13	28 mm Thickness 0.9 mm	1	RMTR.	
14	42 mm Thickness 1.2 mm	1	RMTR.	
	Supply, Installation, Testing, Commissioning of Isolation Valve of Ball Valve, its shall have a body of Brass metal Ball/Stem shall be of Stainless steel or other materials depending on the application. Ball Valve Seats/Seals are made of PTFE, EPDM, Viton, or other materials depending on the fluid and temperature.With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO.			
15	12 mm Isolation ball valve	1	No	
16	15 mm Isolation ball valve	1	No	
17	22 mm Isolation ball valve	1	No	
18	28 mm Isolation ball valve	1	No	
19	42 mm Isolation ball valve	1	No	

	Supply, Installation, Testing and Commissioning of AIR COMPRESSORS 100% OIL FREE" Oil Less reciprocating piston compressor, TEFC motor standard with Dynamically balanced flywheel for low vibration, must have 5 microns oversized filter for large dirt holding capacity with Electric sensor tank drain A rated Control Panel . Also provided with Two-way cooling from fan and flywheel to eliminate excess heat. Composite Piston Technology with insulated wrist pin to reduce bearing heat.			
20	800 LPM	1	No	
21	Supplying, Installing, Testing and commissioning of Indigenous Electrical Control Panel for Duplex Vacuum & Duplex Compressed Air Plant.	1	No	
22	1000 Air Receiver Tank	1	No	
	Supply, Installation, Testing, Commissioning of Heatless Decicant Air Dryer Designed For - 1SO:7183-1986 (E) Dryer Quality Class -ISO:8573-1:2010 (E) class 2, Pre-Filter Quality Class - ISO:8573-1:20 10 (E) class 1, Consistent Dew Point performance, Noise Level <70 dBA I Pressure Drop <03 kg/em2 (g), it is of Aluminium Construction Free From Corrosion & Scale Formation at Inner and Outer sides. Uses High Crush Strength Adsorbent Materials. It shall also consist of pre and post microbial filter of suitable grade and class			
23	60 CFM	1	No	
24	Supply, Installation, Testing and Commissioning of Coarase filter for Medical Air for Oil Removal (Coalescing) and Particulate, Its Flow from 20 to 1810 m3/hour. Particle Removal 0.01 (um)	1	No	
25	Supply, Installation, Testing and Commissioning of Activated Carbon filter for Medical Air for Odour removal, and Particle removal , Its Flow from 20 to 1810 m3/hour Particle Removal 0.01 (um)	1	No	
26	Supply, Installation, Testing and Commissioning of Bacteria filter for Medical Air of Borosilicate filter element 99,995% efficiency and must Compliant with HEALTH TECHNICAL MEMORANDUM 2022, To meet Air flow rates from 850 -7504 litres/min (30-265 scfm)	1	No	
	supply, installation, Testing and Commissioning Vacuum Pump with motor, starter, Silencer with fitting and Bracket Cast Iron Construction - Cylinders and frame are designed with 100% cast iron for durability and long life. *Cylinders - Separately cast cylinders with deep fins allow for 360 cooling. removing the heat of compression. Individual bolting of the cylinders to the frame for easy inspection and maintenance Low Oil Level Protection -The low oil level switch protccts the pump from operating without proper lubrication." Piston Rings - Each piston is equipped with (2) compression rings and (2) oil control rings to maintain maximum operating efficiency and low oil carryover. " Valves - Stainless steel valves are readily accessible und inexpensively replaced if necessary."Connecting Rods -One piece design permits precision aligned machining of both crankpin and piston pin bearings resulting in longer bearing life. Also allows for simple maintenance-no bolts to come loose or adjust.			
27	600 LPM	1	No	

	Supply, Installation, Testing and Commissioning of Vacuum tanks: Tanks are designed for the safe and efficient storage of compressed medical air. The air tanks meet stringent medical standards, making them reliable components in hospitals, clinics, and other healthcare environments. It shall be painted to avoid corrosion, It shall be Made of high-quality carbon steel to ensure durability, corrosion resistance, and long service life. It should Includes safety valves, pressure gauges, and drain valves to monitor and maintain safe operating conditions. Vertical or horizontal options to accommodate available space and facility layouts. Maximum Working Pressure is 8 bar to 13 bar (custom options available) as pe Standard: GBIS0.1~150,4-2011, HG/T20584-2011,TSG21-2016. Its Working temperature s100°C			
28	1000 Ltr for vacuum system (Water Volume)	1	No	
	Supply, Installation, Testing and Commissioning of Zonal Valve Box with Pressure Gauge, The valve box shall be constructed of 18-gauge steel, complete with a baked white enamel finish. Affixed to the opposite sides of the box will be two adjustable steel brackets for the purpose of mounting the box to the structural support. The steel brackets shall accommodate various finished wall thicknesses between 3/8"and 1-3/16"and shall be field adjustable. The frame assembly shall be constructed of anodized aluminium and shall be mounted to the back box assembly by standard 6x3/8" tapping screws as provided with the exception of the security valve box, the removable front shall consist of an opaque window with a pull-out ring pre-mounted to the center of the window with the exception of the security valve box, access to the zone shut-off valves shall be by merely pulling the ring assembly to remove the window from the frame. The window can be reinstalled without the use of tools only after the valve handles have been returned to the open position with the exception of the security valve box and the alarm/ valve combination units, the window shall be marked to prohibit unauthorized persons from tampering with the valves with the following silk-screen caution: "MEDICAL GAS CONTROLVALVES.CLOSE ONLY IN EMERGENCY "and with the exception of the security valve box and thealarm/valve combination units, each valve shall be supplied with an identification bracket which shall be bolted directly on to the valve box for the purpose of applying an approved medical gas identification label The front panel shall be labelled to instruct persons to close the valves only in an emergency. The valve boxes hall be constructed so that the front panel cannot be attached to the box while any valve inside is in the closed position. It should have openings to the box'sinterior shall be dust-tight. It should have each pipe inside the boxes hall come with it shown pressure gauge that can be viewed through the clear window. All ases and their respective gauges shall be clearly labelled with the proper color coordination.IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO.			
29	3 Gas (Oxygen, Vacuum, Medical Air)	1	No	

	Supply, Installation, Testing and Commissioning Of Digital Medical Gas Area Alarm, It should fully complies and meets NFPA-99 standards only. The alarm shall be microprocessor based witha 10"screcn and capable of monitoring up to 8 sensors. Sensors shall be mounted locally (in the rough-inbox) by installing the copper pipe provided or mounted remotely. Sensors shall be automated for gasspecific detection. Arca alarm shall be fabricated from18gauge steel witha 3/8"O.D. type "K" copper pipe for connection to the service line. The default set-points shall be +- 20% variation from normal condition, In the calibration mode High / Lowest -points shall be adjustable by on board push buttons. To view the set points and audible alarm sound level, press and hold the mute button for twenty (20) seconds. The digital sensors can be mounted locally or remotely utilizing shielded twisted pair wiring up to 500 ft. The sensors shall be designed to create interference barrier for increased RFI/EMI protection. The LCD brightness and volume shall be field adjustable. The LCD display shall be readable in poor lighting conditions. Screen text shall be customizable for gas locations. The sensors shall be gas specific with a DISS nut and a nipple. The LCD sensors' operating range shall be the following: Mid-pressure:0-99 psi; Oxygen and Vacuum. The alarm shall conformtoUL Standard 1069. The alarm shall comply with the electro magnetic compatibility standards FCC Part1S Class Aand 1CES 003 Class A. IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO.			
30	3 Gas (Oxygen, Vacuum, Medical Air)	1	No	
31	Supply, Installation, Testing and Commissioning Of HORIZONTAL/ VERTICAL BED HEAD PANEL Double Duct, It shall be duly CE marked and comply with 93/42/EEC Medical Devices: General & shall have CE No or NFPA-99 standards or CGA standards. Or HTM02-01 or ENISO7396 1&2. It should be with 2 channels to provide a modular surface mounted unit with integrated accessory rails for equipment management. It should have 2 separate partition rows wise for medical gases and electrical Switch & sockets. Length should be 1800mm All medical gas piping shall be hard-piped and brazed to a single point of connection. Fascia panels, top , middle and bottom cover panels shall be removable for access for easy installation and maintenance. It should be prepiped with provision for 2 to 6 gas outlets as required. (Bed head panels does not include gas out let cost) It should have 4 electrical sockets., RJ-45=1, RJ-=1, It should have one stainless steel vertical pole with IV stand and 4 Hooks on which dedicated accessories can be mount. Out Of two partitions one partitions should have medical gas piping shall be hard- piped and brazed to a single point of connection. Fascia panels, top, bottom cover panels shall be removable for access for easy installation and maintenance. Design to meets the need of the 1CU wards. Designed to makel recovery more pleasant, should be made of an innovative polycarbonates hee ton to which it is applied a colorful film, featuring pictures recommended by user,Supply, Installation, Testing and Commissioning of IV Pole Cum Syringe Stand,Supply, Installation, Testing and Commissioning of SS Wire Basket	1	No	

32	HP Medical Gas anti-static Hose Assembly Oxygen, Vacuum, Medical Air4, Medical Air 7, Nitrous Oxide, Carbon Dioxide)	1	Per mtr	
33	Construction of Manifold and Plant Room And Electrical Work in Plant and Manifold Room	1	Lot	
Sr. no	**Description of Items (For Kharghar)**	**Qty**	**Units of Measure**	**Rate /Unit In Indian Rupees**
1	Supply, Installation, Testing and Commissioning of 2 X10 Cylinder Main Manifold for Oxygen with NRV pipe connection and with middle frame with chain compatible for Control Panel . Wall mounting type gas manifold fabricated with 5/8"x 15 swg. Copper pipe as per BS EN 1057 &brass blocks as per IS 319 equally spaced at 250 mm fitted on duly powder coated MS frame (95 x 45). Hydraulically tested at 300 bar with high pressure non return Valve, 1.25 metre long 5/16" x l6g copper tail pipe tested at 300 bar. With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006, CE.CDSCO.	1	Per Set	
2	Supply, Installation, Testing and Commissioning of 2 X4 Cylinder Main Manifold for Oxygen with NRV pipe connection and with middle frame with chain compatible for Control Panel . Wall mounting type gas Manifold fabricated with 5/8"x 15 swg. Copper pipe as per BS EN 1057 &brass blocks as per IS 319 equally spaced at 250 mm fitted on duly powder coated MS frame (95 x 45). Hydraulically tested at 300 bar with high pressure non return Valve, 1.25 metre long 5/16" x l6g copper tail pipe tested at 300 bar. With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006, CE.CDSCO.	1	Per Set	
3	Supply, Installation, Testing and Commissioning Microprocessor based 2 Source Fully Automatic Control Panel (LCD DISPLAY -TOUCH SCREEN) for Oxygen with 40 micron filters both sides(Left Bank & Right Bank),2100 LPM. It shall be dome loaded fully automatic control panel and shall have touch screen display. The manifold shall consist of two bank regulators (dome bias) used to reduce the cylinder pressure to the two lines regulators which in turn controls the final line pressure. The manifold has an intermediate and line relief valve that is internally connected to a common vent port, terminating into a l/2" FNPT pipe. The header bars shall be equipped with high-pressure shutoff valves outside the cabinet to allow for emergency isolation of the header bars. The header bar shall incorporate integral check valves for each station. The manifold is equipped with pressure transducers, which sends information to the main circuit board for operation of the fail-safe relay which transmits a remote signal to the master alarm or buzzer. The external shut-off valves connecting to the header bars must be ball valves capable of withstanding pressure of 3,000 psi.With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO. Should also be installed with leak measurement device It should be specifically designed for measuring the flow of oxygen, catering to the requirements of hospital where precise oxygen flow control is critical, providing features for easy installation, versatile units election, and comprehensive diagnostic functions., It should incorporate	1	No	

	at hermalmass flow sensor designed for measuring oxygen. It should utilizes a calorimetric measuring principle, eliminating the need for additional pressure and temperature measurements. It should supports digital interfaces such as Modbus RTU and RS485, facilitating seamless communication with other systems. Should also provides analog(4...20mA) and pulse outputs, ensuring compatibility with different data acquisition and control systems. Anda user- friendly display for unit selection and diagnostic functions. It should be designed to achieve a high level of accuracy, with specified measuring ranges 0-90 Nm/ hand accuracy levels of + 1.5% of measured value and + 0.3% of full - scale value. It should operate effectively in a temperature range of -3Oto80°C and can withstand operating pressure s ranging from-1 to 16 bar. It should be with display degreased or 02 service. The flowmeter should be designed for case of maintenance It should include diagnostic functions that can be read on the display or accessed remotely, facilitating proactive maintenance.			
	Supply, Installation, Testing and Commissioning Terminal units for Gas of British Standard (METAL) gas outlets with stainless steel probe are CE marked as a Class IIb Medical Device 93/42/EEC with notified body British Standards Institute and stamped CE.With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO. It should have one-piece chromed fascia plate shall frame the outlet. With the back rough-in mounted, the outlet shall adjust from 3/8" [10 mm] to 1" [25 mm] variation in wall thickness. It should have modular design and include a gas specific 16 ga. [1.6 mm] steel mounting plate designed to permit on-site ganging of multiple outlets, in any order, on 5" [127 mm] spacing. It should be cleaned and degreased for medical gas service, factory assembled and tested. It should be Indexed to eliminate interchangeability of gas services. It should have 360° Swivel Inlet Pipe for easy installation and should have universal rough-in assembly to accept quick disconnects or diss front adaptors or BS Adaptors			
4	Medical Oxygen Gas	1	No	
5	Medical Air Gas	1	No	
6	Vacuum	1	No	
7	Supply, Installation, Testing and Commissioning of BPC Flow Meter with Dehumidifier Bottle of Specifications: Flow Range: 0-15 LPM For Adult , Accuracy: ±10% of the scale value or 0.2 LPM, whichever is higher. Material: Brass (chrome plated), float (AISI 316 with mesh), filter (AISI 3 16 wire mesh). Inlet/Outlet Connection: 3/8" BSP RH. Calibration: 50 psig (3.45 bar) at 21°C. Operation Mode: Manual (with a knob to adjust flow). Supply, It shall fully comply and meets with active medical device of class ILA and in compliance with the EN ISO15002:2008 standard. It should be duly CE marked and comply with 93/42/EEC Medical Devices: General. It shall be CE marked with the notified body number specified. It shall be provided with a copy of the certificate of origin. Its Pressure compensated to prevent back pressure build upon flow indicator. Expanded Scale	1	No	

	providing higher reading accuracy. Durable polycarbonate flow tube with cover. Flowmeter should be placed in the vertical position. It should be lightweight of 200 g. The flowmeters should be of 0-15 LPM range for oxygen and with inlet pressure 50-60psi. (4.5 bar). The closing of the knob should be without any leakage. Polysulphone 250 cc Humidifier bottle should be unbreakable, reusable to disinfectants and complements.With Standards IS/ISO 15002:2008,IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006, CE.CDSCO.			
8	Supply, Installation, Testing and Commissioning of Ward vacuum unit Adult (1000 ml) with vacuum regulator a clear, autoclavable polycarbonate jar with varying capacities a vacuum range of 0 to 760 mmHg, a regulator with an adjustable knob for precise control, and a gauge to measure negative pressure, often with a range of 0 1o -760 mmHg. The jar is designed to be shatterproof and autoclavable, while the regulator typically has an aluminium body, brass inner parts, and a neoprene diaphragm. Conform to relevant standards IS/ISO 10079-3 :2014 for devices .IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006, CE.CDSCO.	1	No	
9	Supply, Installation, Testing and Commissioning of Medical Grade Copper Pipes BSEN 13348:2016, CE Cerified.Kite Marked. Copper Pipes used should be solid drawn, seamless, Deoxidized phosphorus, non-arsenical, half hard, tempered and degreased. Manufactured as per BSEN 13348:2016 in cither R250 half hard or R290 hard meeting the requirements as per the Medical grade Copper pipe standards. Degreasing of pipe shall be such that there is less than20mg/m2(0.20mg/dm2 of hydrocarbons on the degreased surface when tested by method specified by BSEN13348: 2016. 1t should also have LLOYD third-party inspection of copper pipes. The supplier should provide Manufacturer's Test Certificate of copper Pipes for physical Properties and chemical composition. Copper pipes joined by silver brazing method for copper to brass. Inert gas welding technique should be used by passing Nitrogen gas inside the copper pipes during brazing, in order to avoid carbon deposition inside the copper pipes. All copper pipes and fittings like bends, Tees, reducers and straight couplings should be As perENI254-1 Copper pipes to be fixed with walls with suitable saddles and supports after erection, All the pipes should be cleaned or purged with the help of dry nitrogen gas,& Should be tested with dry Nitrogen			
10	12 mm Thickness 0.9 mm	1	RMTR.	
11	15 mm Tickness 0.9 mm	1	RMTR.	
12	22 mm Thickness 0.9 mm	1	RMTR.	
13	28 mm Thickness 0.9 mm	1	RMTR.	
14	42 mm Thickness 1.2 mm	1	RMTR.	

	Supply, Installation, Testing, Commissioning of Isolation Valve of Ball Valve, its shall have a body of Brass metal Ball/Stem shall be of Stainless steel or other materials depending on the application. Ball Valve Seats/Seals are made of PTFE, EPDM, Viton, or other materials depending on the fluid and temperature.With Standards IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO.			
15	12 mm Isolation ball valve	1	No	
16	15 mm Isolation ball valve	1	No	
17	22 mm Isolation ball valve	1	No	
18	28 mm Isolation ball valve	1	No	
19	42 mm Isolation ball valve	1	No	
	Supply, Installation, Testing and Commissioning of AIR COMPRESSORS 100% OIL FREE" Oil Less reciprocating piston compressor, TEFC motor standard with Dynamically balanced flywheel for low vibration, must have 5 microns oversized filter for large dirt holding capacity with Electric sensor tank drain A rated Control Panel . Also provided with Two-way cooling from fan and flywheel to eliminate excess heat. Composite Piston Technology with insulated wrist pin to reduce bearing heat			
20	800 LPM	1	No	
21	Supplying, Installing, Testing and commissioning of Indigenous Electrical Control Panel for Duplex Vacuum & Duplex Compressed Air Plant.	1	No	
22	1000 Air Receiver Tank	1	No	
	Supply, Installation, Testing, Commissioning of Heatless Decicant Air Dryer Designed For - 1SO:7183-1986 (E) Dryer Quality Class -ISO:8573-1:2010 (E) class 2, Pre-Filter Quality Class - ISO:8573-1:20 10 (E) class 1, Consistent Dew Point performance, Noise Level <70 dBA I Pressure Drop <03 kg/em2 (g), it is of Aluminium Construction Free From Corrosion & Scale Formation at Inner and Outer sides. Uses High Crush Strength Adsorbent Materials. It shall also consist of pre and post microbial filter of suitable grade and class			
23	60 CFM	1	No	
24	Supply, Installation, Testing and Commissioning of Coarase filter for Medical Air for Oil Removal (Coalescing) and Particulate, Its Flow from 20 to 1810 m3/hour. Particle Removal 0.01 (um)	1	No	
25	Supply, Installation, Testing and Commissioning of Activated Carbon filter for Medical Air for Odour removal, and Particle removal , Its Flow from 20 to 1810 m3/hour Particle Removal 0.01 (um)	1	No	
26	Supply, Installation, Testing and Commissioning of Bacteria filter for Medical Air of Borosilicate filter element 99,995% efficiency and must Compliant with HEALTH TECHNICAL MEMORANDUM 2022, To meet Air flow rates from 850 -7504 litres/min (30-265 scfm) supply, installation,	1	No	

	Testing and Commissioning Vacuum Pump with motor, starter, Silencer with fitting and Bracket Cast Iron Construction - Cylinders and frame are designed with 100% cast iron for durability and long life. *Cylinders - Separately cast cylinders with deep fins allow for 360 cooling. removing the heat of compression. Individual bolting of the cylinders to the frame for easy inspection and maintenance Low Oil Level Protection -The low oil level switch protccts the pump from operating without proper lubrication." Piston Rings - Each piston is equipped with (2) compression rings and (2) oil control rings to maintain maximum operating efficiency and low oil carryover. " Valves - Stainless steel valves are readily accessible und inexpensively replaced if necessary."Connecting Rods - One piece design permits precision aligned machining of both crankpin and piston pin bearings resulting in longer bearing life. Also allows for simple maintenance-no bolts to come loose or adjust.			
27	600 LPM	1	No	
	Supply, Installation, Testing and Commissioning of Vacuum tanks: Tanks are designed for the safe and efficient storage of compressed medical air. The air tanks meet stringent medical standards, making them reliable components in hospitals, clinics, and other healthcare environments. It shall be painted to avoid corrosion, It shall be Made of high-quality carbon steel to ensure durability, corrosion resistance, and long service life. It should Includes safety valves, pressure gauges, and drain valves to monitor and maintain safe operating conditions. Vertical or horizontal options to accommodate available space and facility layouts. Maximum Working Pressure is 8 bar to 13 bar (custom options available) as pe Standard: GBIS0.1~150,4-2011, HG/T20584-2011,TSG21-2016. Its Working temperature s100°C			
28	1000 Ltr for vacuum system (Water Volume)	1	No	
	Supply, Installation, Testing and Commissioning of Zonal Valve Box with Pressure Gauge, The valve box shall be constructed of 18-gauge steel, complete with a baked white enamel finish. Affixed to the opposite sides of the box will be two adjustable steel brackets for the purpose of mounting the box to the structural support. The steel brackets shall accommodate various finished wall thicknesses between 3/8"and 1-3/16"and shall be field adjustable. The frame assembly shall be constructed of anodized aluminium and shall be mounted to the back box assembly by standard 6x3/8" tapping screws as provided with the exception of the security valve box, the removable front shall consist of an opaque window with a pull-out ring pre-mounted to the center of the window with the exception of the security valve box, access to the zone shut-off valves shall be by merely pulling the ring assembly to remove the window from the frame. The window can be reinstalled without the use of tools only after the valve handles have been returned to the open position with the exception of the security valve box and the alarm/ valve combination units, the window shall be marked to prohibit unauthorized persons from tampering with the valves with the following silk-screen caution: "MEDICAL GAS CONTROLVALVES.CLOSE ONLY IN EMERGENCY "and with			

	the exception of the security valve box and thealarm/valve combination units, each valve shall be supplied with an identification bracket which shall be bolted directly on to the valve box for the purpose of applying an approved medical gas identification label The front panel shall be labelled to instruct persons to close the valves only in an emergency. The valve boxes hall be constructed so that the front panel cannot be attached to the box while any valve inside is in the closed position. It should have openings to the box'sinterior shall be dust-tight. It should have each pipe inside the boxes hall come with it shown pressure gauge that can be viewed through the clear window. All ases and their respective gauges shall be clearly labelled with the proper color coordination.IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO.			
29	3 Gas (Oxygen, Vacuum, Medical Air)	1	No	
	Supply, Installation, Testing and Commissioning Of Digital Medical Gas Area Alarm, It should fully complies and meets NFPA-99 standards only. The alarm shall be microprocessor based witha 10"screcn and capable of monitoring up to 8 sensors. Sensors shall be mounted locally (in the rough-inbox) by installing the copper pipe provided or mounted remotely. Sensors shall be automated for gasspecific detection. Arca alarm shall be fabricated from18gauge steel witha 3/8"O.D. type "K" copper pipe for connection to the service line. The default set-points shall be +- 20% variation from normal condition, In the calibration mode High / Lowest -points shall be adjustable by on board push buttons. To view the set points and audible alarm sound level, press and hold the mute button for twenty (20) seconds. The digital sensors can be mounted locally or remotely utilizing shielded twisted pair wiring up to 500 ft. The sensors shall be designed to create interference barrier for increased RFI/EMI protection. The LCD brightness and volume shall be field adjustable. The LCD display shall be readable in poor lighting conditions. Screen text shall be customizable for gas locations. The sensors shall be gas specific with a DISS nut and a nipple. The LCD sensors' operating range shall be the following: Mid-pressure:0-99 psi; Oxygen and Vacuum. The alarm shall conform to UL Standard 1069. The alarm shall comply with the electro magnetic compatibility standards FCC Part1S Class Aand 1CES 003 Class A. IS/ISO 7396-1:2016 + A1:2017 htm 02-01 Part A:2006,IS/ISO 10524-2:2018,IS/ISO 10524-4:2008 CE.CDSCO.			
30	3 Gas (Oxygen, Vacuum, Medical Air)	1	No	
31	Supply, Installation, Testing and Commissioning Of HORIZONTAL/VERTICAL BED HEAD PANEL Double Duct, It shall be duly CE marked and comply with 93/42/EEC Medical Devices: General & shall have CE No or NFPA-99 standards or CGA standards. Or HTM02-01 or ENISO7396 1&2. It should be with 2 channels to provide a modular surface mounted unit with integrated accessory rails for equipment management. It should have 2 separate partition rows wise for medical gases and electrical Switch & sockets. Length should be 1800mm All	1	No	

	medical gas piping shall be hard-piped and brazed to a single point of connection. Fascia panels, top , middle and bottom cover panels shall be removable for access for easy installation and maintenance. It should be prepiped with provision for 2 to 6 gas outlets as required. (Bed head panels does not include gas out let cost) It should have 4 electrical sockets., RJ-45=1, RJ-=1, It should have one stainless steel vertical pole with IV stand and 4 Hooks on which dedicated accessories can be mount. Out Of two partitions one partitions should have medical gas piping shall be hard- piped and brazed to a single point of connection. Fascia panels, top, bottom cover panels shall be removable for access for easy installation and maintenance. Design to meets the need of the 1CU wards. Designed to make recovery more pleasant, should be made of an innovative polycarbonates hee ton to which it is applied a colourful film, featuring pictures recommended by user, Supply, Installation, Testing and Commissioning of IV Pole Cum Syringe Stand, Supply, Installation, Testing and Commissioning of SS Wire Basket			
32	HP Medical Gas anti-static Hose Assembly Oxygen, Vacuum, Medical Air4, Medical Air 7, Nitrous Oxide, Carbon Dioxide)	1	Per mtr	
33	Construction of Manifold and Plant Room And Electrical Work in Plant and Manifold Room	1	Lot	

*** Rates are inclusive all Taxes, Loading Unloading Charges and both side Transportation Charges.**

१. सीलबंद दरपत्रके दिनांक १९.११.२०२५ रोजी दुपारी ३.०० वाजेपर्यंत पनवेल महानगरपालिकेच्या वैद्यकीय आरोग्य विभागात स्वीकारण्यात येतील.

२. प्राप्त झालेली दरपत्रके शक्यतो दिनांक १९.११.२०२५ रोजी दुपारी ३.३० वाजता (शक्यतो) उपस्थितीत ठेकेदार यांच्या समक्ष उघडण्यात येतील.

३. अटी व शर्तीयुक्त दरपत्रकांचा विचार केला जाणार नाही.

(प्रसेनजीत कारलेकर)
उपायुक्त (आरोग्य)
पनवेल महानगरपालिका

जा.क्र./पमपा/वै.आ.वि/ ३२७७ /सन २०२५-२६
दिनांक : ३२/११/२०२५

प्रत माहितीस्तव,

१. प्रसिद्धी करिता

२. माहिती फलक करिता