

पनवेल महानगरपालिका
जाहीर निविदा दरपत्रक

आयुक्त, पनवेल महानगरपालिकेच्या विभागीय कार्यालये, महपौर निवास्थान, नाट्यगृह व रुग्णालये येथे सुरक्षाविषयक अत्याधुनिक यंत्र सामुग्री बसविणे.या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिकेच्या विभागीय कार्यालये, महपौर निवास्थान, नाट्यगृह व रुग्णालये येथे सुरक्षाविषयक अत्याधुनिक यंत्र सामुग्री बसविणे	२९/०९/२०२४ ते ०४/१०/२०२४ (७ दिवस)

Scope of Work

I. No.	Description	Qty	Unit	Amt
1	SITC of HHMD Detect ferrous and Non-Ferrous metals. -Pistol.22 at Min 6" -Cartridge.22 at Min 2" -Razor blade at Min 1", Scan Rate Minimum 3" to 24"/Sec., Single LED based Audio, Vibration and Visual indication for Switch ON.,Metal Detection., Low battery Indication., Should be rugged and impact resistant ABS molded casing ., HHMD shall work satisfactorily under Operating temperature: (-) 20°C to (+)55°C.	27	No.	
2	SITC of 8 Zone DFMD with camera and DVR DFMD should have multi-zone capability with uniform sensitivity in all zones., system should be capable of detecting ferrous non-ferrous and alloy metals concealed in the body of a person when passed though the archway., Uniform detection from top to bottom is required., Should be able to detect multiple metal objects of various weight size and shapes in all the zones simultaneously from head to toe., 100-260 VAC 50-60Hz 12-24 VDC should be provided with external UPS for 30 mins backup in operational conditions., DFMD should have in-built camera of 2 MP (Mega Pixel) at the entry side to capture the video of the incoming people with detection data and video should be recorded., Key Pad & LCD Console: 16 (Hex) Password Protected Membrane Keypad for WTMD Console: LCD (4 line * 40 Characters) (Viewing area 140.45 mm* 30.00mm) alpha-Numeric display with Blue backlit for detector parameters viewing and setting., Parameter Display and recording for Audit/ trail. All the Detector Parameters like Sensitivity, Threshold, Metal Level and IN-OUT count is being displayed at a time with the video feed (Text on Video Overlay) in the LED monitor for analysis of the event.Integration in such a manner that the detection data (Sensitivity, Threshold, Metal level(percentage)and zone number with threshold crossed)	10	No.	

	should be synchronized with the video as an audit trail.			
3	<p>SITC of Trolley Mounted Under Vehicle Security Camera System</p> <p>Trolley-mounted HD IR Wide-angle Camera with 4.5" TFT, Monitor for Viewing, IP 67 rated, Weatherproof powder coated steel trolley with high density rubber wheels on ball bearings for smooth operation. 2MP lense with IR with 2-Day Storage; Shall be able to synchronise with the VMS for uploading the video to the central storage.</p>	18	No.	
4	<p>SITC of 3D X-RAY Baggage Scanner</p> <p>a. Tunnel Size - 60 cm W (Width) x 40 cm H (Height) +/-10%.</p> <p>b. Conveyor belt speed should be between 0.18 and 0.3 meter per second. Conveyor movement bi-directional. Auto stop in absence of baggage after 5 minutes.</p> <p>c. All machines should operate on 230 VAC, 50 Hz power supply and should be able to withstand voltage fluctuations in the range of 170V to 260 V.</p> <p>d. Single Phase, 3 to 5Amp.</p> <p>e. Conveyor Capacity- 100 kg or more</p> <p>f. Sensors > 1000 diodes , L-shaped detector (Folded array type), In case of defective diode arrays, scanning should be disabled and error message should be displayed on the screen.</p> <p>g. X-Ray Voltage - 160 KV</p> <p>h. X-Ray Source/Generator – It should be capable to operate smoothly for a period of at least six years.</p> <p>Duty Cycle - 100%, Cooling – Sealed oil bath</p> <p>i. The X-ray beam divergence should be such that the complete isometric image at maximum size of bag is displayed without corner cuts.</p> <p>j. The radiation level should not exceed accepted health standard (0.1m R/Hr at a distance of 5 cm from external housing).</p> <p>k. The operating temperature should be -10 deg C to 50 deg C.</p> <p>l. Storage temperature -20 degree C to 50 degree C.</p> <p>m. Humidity- 90% non-condensing</p> <p>n. Resolution: The machine should be able to display single un-insulated tinned copper wire of 42-SWG or 38 AWG. All penetration and resolution condition should be met without pressing any functional key and should be online.</p>	9	No.	
5	<p>SITC of 5 mtr. boom barrier</p> <p>mechanism electro - mechanical, duty cycle 100%, power 24 v dc motor, housing galvanised mild steel duly powder coated / ss housing, in case of power failure open/close option with mechanical handle, ip rating ip67, operating temperature -25 degree celsius to +60 degree celsius, humidity 10% - 95%</p>	16	No.	
6	Supply, Laying and Installation of 8 Core .7 Sq.mm Cable	555	Mtr.	
7	Supply, Laying and Installation of 3 Core 1.5 Sq.mm Cable	1420	Mtr.	
8	<p>Supply, Installation, Testing & Commissioning of 5MP Dome - Image Sensor: 1/2.8", 5.0 megapixel, progressive scan, CMOS; illumination: Colour: 0.002Lux (F1.6, AGC ON) 0 lux with IR on; WDR: 120dB; Lens: 2.8mm@F1.6; IR: 30meter IR Range; Day/Night: IR-cut filter with auto switch (ICR); Smart IR: Support; IR On/Off Control: Auto/Manual; Video Stream: Dual streams; Video Compression: Ultra 265, H.265, H.264, MJPEG; Digital Noise Reduction: 2D/3D DNR; Compatible Integration:</p>	358	No.	

	ONVIF (Profile S, Profile G, Profile T), API,SDK; Intelligence:Cross Line detection, Intrusion detection; Built-in Mic: Support; Defog: Digital Defog; Security: Strong password, HTTPS encryption, TLS 1.2; Certificate: CE, FCC, UL, RoHS, Protection Rating: IP67.			
9	Supply, Installation, Testing & Commissioning of 5MP Bullet - Image Sensor: 1/2.8", 5.0 megapixel, progressive scan, CMOS; illumination: Colour: Colour: 0.002 lux (F1.6, AGC ON) 0 lux with IR on; WDR: 120dB; Lens: 2.7 ~ 13.5mm, motorized zoom lens & AF; IR: 60meter IR Range; Day/Night: IR-cut filter with auto switch (ICR); Smart IR: Support; IR On/Off Control: Auto/Manual; Video Stream: Triple streams; Video Compression: Ultra 265, H.265, H.264, MJPEG; Compatible Integration: ONVIF (Profile S, Profile G, Profile T), API,SDK; Intelligence: Cross Line detection, Intrusion detection, Tampering; Audio I/O: YES; Alarm I/O: 1/1; Defog: Digital Defog; Security: Strong password; Certificate: CE, FCC, UL, RoHS; Rating: IP67, IK10.	279	No.	
10	Supply, Installation, Testing & Commissioning of 2MP PTZ 30X Zoom - Image Sensor: 1/2.8", 2.0 megapixel, progressive scan, CMOS; WDR: 120dB; Lens: 4.5 ~ 148.5mm, motorized zoom lens & AF; Pan Range: 360° (endless); Pan Speed 0.1°/s ~ 240°/s, Preset speed: 300°/s; Tilt Range: -16° ~ 90° (auto reverse); Tilt Speed: 0.1° ~ 180°/s, Preset speed: 240°/s; Number of Presets: 500; Preset Image Freeze: Support; Home Position: Support; Audio I/O: 1/1; Alarm I/O: 1/1; Intelligent: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection, Support people flow counting and crowd density monitoring; Certificate: CE, FCC, UL, RoHS; Rating: IP67, IK10; Zoom: Digital 16 / Optical 33; IR: 150meter IR Range; Day/Night: IR-cut filter with auto switch (ICR); Smart IR: Support; IR On/Off Control: Auto/Manual; Digital Noise Reduction: 2D/3D DNR; Compatible Integration: ONVIF (Profile S, Profile G, Profile T), API, SDK; Certificate: BIS, CE, FCC, UL 62368-1, RoHS; Rating: IP66.	18	No.	
11	Supply, Installation, Testing & Commissioning of 32 CH NVR - IP video input: 32-ch; Decoding format: H.265, H.264; SATA : 4 SATA interfaces; Capacity: up to 10TB for each HDD: Disk Array Type: RAID 1, 5; Network Interface: 1x RJ45 10M/100M/1000M self-adaptive Ethernet Interfaces; HDMI1, VGA independent outputs; Certification: CE, FCC, UL, RoHS.	25	No.	
12	Supply, Installation, Testing & Commissioning of 10 TB HDD - Surveillance Internal Hard Drive - 7200 RPM Class; SATA 6 Gb/s, 265 MB Cache, Form Factor: 3.5";	96	No.	
13	Supply, Installation, Testing & Commissioning of 24 POE Switch - 24-Ports 10/100/1000Mbps PoE + 4-Ports Combo GE/SFP Smart Managed Switch 370Watts; Switching Capacity: 56 Gbps; MAC Address Table Size: 8K entries; Flash Memory: 32 MB; MTBF: 277,967 hours; Operating Temperature: -5 to 50 °C (23 to 122 °F); EMI: FCC class A, CE class A, VCCI, BSM; Certification: • CE, LVD, UL, CB.	45	No.	
14	Supply, Installation, Testing & Commissioning of 12 U Rack - Wall Mount 12U x 550 W x 500 D ,Front Glass Door (tinted,Toughened) with Lock & Key,2 pairs of 19 Mounting	45	No.	

	Rails with U-Marking Welded Side Walls With Metal Engraved D-Link Logo Standard Accessories :1U Cable Manager 1, Hardware Packet 1 Pkt 6 Socket 5 Amp.Power Distribution Unit (1 No) Roof Mounted Fan Unit 90CFM 230V AC 1 No			
15	Supply, Installation, Testing & Commissioning of 1KVA UPS - Voltage (VAC) 120~300VAC; Frequency (Hz) 50 / 60Hz ± 10Hz Auto Sensing OUTPUT; Voltage AVR Mode 200~245V; Voltage Battery Mode 230VAC ± 10%; Frequency (Hz) on Battery Mode 50/60Hz ± 0.1Hz; Waveform Simulated Sine Wave; Transfer Time (ms) 4-8 ms Typical BATTERY BACKUP; VRLA SMF 12V*7AH*2 BATTERY BACKUP.	45	No.	
16	Supply, Installation, Testing & Commissioning of 22U Rack - 22U Network Enclosure Frame-600X800-STEEL with accessories like fan, pdu, cable manager etc.	9	No.	
17	Supply, Installation, Testing & Commissioning of 2KVA UPS - Nominal Voltage 220V/230V/240V AC (1Ph+N+PE, 3 Wire); Operating Voltage Range 110V~300V AC Load Dependent; Operating Frequency Range 50 / 60 Hz ± 10% (Auto Sensing); Power Factor >0.99 OUTPUT; Output Voltage/Power Factor 220V / 230V / 240V AC / ±1% / 0.8 Std., 0.9 Optional; Output Frequency Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50/60 Hz ± 0.1 Hz Battery Mode; Harmonic Distortion (THDv) ≤1%; Crest Factor 3:1; Efficiency 94.0% Dual Conversion Mode, 99.0% ECO Mode; DC VOLTAGE-72V BATTERY BACKUP; VRLA SMF 12V 30MINS BATTERY BACKUP.	9	No.	
18	Supply, Installation, Testing & Commissioning of Workstation - 13th Generation Intel® Core™ i7-13700 vPro® Processor (E-cores up to 4.10 GHz P-cores up to 5.20 GHz; Windows 11 Pro 64; 32 GB DDR5-4400MHz (UDIMM);512 GB SSD M.2 2280 PCIe Gen4 Performance TLC Opal; NVIDIA® T1000 8GB GDDR6; 31.5-inch Monitor; 1 TB SSD M.2 2280 PCIe Gen4 Performance TLC Opa	10	No.	
19	Supply, Installation, Testing & Commissioning of 49" Monitor - Screen Size: 49"; Panel Technology: IPS; Aspect Ratio: 16:9; Native Resolution: 3840 x 2160 (UHD); Refresh Rate: 60Hz; Life time:50,000Hrs (Min.); Operation Hours (Hours/Day): 24/7; Input: HDMI (3, HDMI1/HDMI2 : HDCP 2.2/1.4, HDMI3 : HDCP 1.4), DP (1, HDCP2.2/1.3), DVI-D (HDCP1.4), Audio In, RS232C IN (1,4pin Phone-jack), RJ45(LAN), IR IN, USB2.0 Type A(1); Output: HDMI Out, Audio Out, RS232C OUT (1, 4pin Phone-jack); Bezel Width: T/R/L: 9.9mm, B: 14.4mm; Operation Temperature: 0 °C to 40 °C; Operation Humidity: 10 % to 80 %; Certification: CB / NRTL, FCC Class "A" / CE / KC, IP Rating: IP5X.	10	No.	
20	Supply, Laying and Installation of CAT6 - High Speed Gigabit Ethernet UTP 250 MHz Class E Cable LSZH 23 AWG, C6 Cable Tested up to 600 MHz	19878	Mtr.	
21	Supply, Laying and Installation of 25mm Conduit pipe	16565	Mtr.	
22	Supply, Laying and Installation of DLP PVC TRUNKING 100 X 50 mm	90	Mtr.	
23	Supply & Installation of 32mm OD HDPE Pipe	1100	Mtr.	
24	Supply & Installation of Patch Panel	46	No.	
25	Supply & Installation of CAT6 1mtr. Patch Cord	626	No.	
26	Supply & Installation of CAT6 3mtr. patch cord	125	No.	
27	Supply & Installation of RJ45	653	No.	

28	Supply & Installation of 5 X 5 BOX	653	No.	
29	SITC of 8 Model Electrical Board	45	No.	
30	Supply & Installation of 8 Port HDMI KVM Switch	9	No.	
31	Supply & Installation of MCB Box	45	No.	
32	Trenching	900	Mtr.	

वर नमूद सुचित दर्शविलेल्या बाबींचे पुरवठा करणारे पुरवठादार/दुकानदार/उत्पादक/विक्रेते यांनी नमूद केलेल्या बाबींकरीता असलेले दर स्वतःच्या लेटरहेडवर महापालिकेच्या कार्यालयात अथवा ई-मेल द्वारे pmcbandhkamdept01@gmail.com यावर दिनांक 08/02/2024 पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.

Ananta

कार्यकारी अभियंता (प्रकल्प)
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/६५२३/प्र.क्र.१३९/२७५ /२०२४
दि. २५/०९ /२०२४

प्रत माहितीस्तव —

१. प्रसिध्दीकरीता
२. माहिती फलक करीता