

पनवेल महानगरपालिका
जाहीर निविदा दरपत्रक

पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'ड' प्रभाग क्र.१९ मधील भुखंड क्र.१५६८-१५७२ व २४१-२४२ इथे वाहनतळ उभारणे. या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
1	पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'ड' प्रभाग क्र.१९ मधील भुखंड क्र.१५६८-१५७२ व २४१-२४२ इथे वाहनतळ उभारणे.	01/07/2025 ते 07/07/2025 (7 दिवस)

S.NO.	ITEM DESCRIPTION	UNIT
1	Civil WORKS	
1.	Providing and installing rock anchors (of 80T capacity) and of 8No's of 12.7 mm dia HT Strands not less than 150 mm diameter (as per IS 10270- 2003) for retention system all as per the defined in the detailed drawing. Anchor to be 35 Degree inclined with vertical. Length for each anchor to be overall 17.0 meter out of which 5.5 M fixed & 11.5 M free length excluding jointing arrangement to waller beam. The item includes suitable jointing arrangement of the rock anchors to retention system (tentatively shown in the drawing) such as stressing box, waller channel, anchor bracket, plates and hilti 10 ton shear bolts. The final design of jointing arrangement alongwith waller beam to be submitted and got approved from structural consultant / client. Rate includes any treatment if required for HT strands, PVC Sleeves for Strands, Non Shrink GP2 grouting, core cutting, sleeve, redrilling etc. The item also includes destressing of tendons, seperating rock anchor for waler beam etc. complete. All as per drawings and as directed by project in-charge.	NOS
2	Supply & Installation of Semi Unitize Structural Glazing Façade as Specification Mullion Section-100 X 55 X 2mm Thk - 2.413 Kg/Mtr, Transom Section-100 X 55 X 2mm Thk - 2.413 Kg/Mtr, Shash Section- 42 X 20 X 1.5mm Thk - 0.56 Kg/Mtr, Structural Silicone, DC 795 / 995, Weather Silicon, DC 789 / 688, Hardware-SS, Fastner-GI, Bracket, M.S. Hot Deep Galvanized, Grid size, As per Approved drawing, Coating-Anodize - 18 Micron, System-Silicone Groove.	SQM
2.1	Glass - 6mm thk Guardian True Blue 40 Reflective Toughened	SQM
2.2	Supply & Installation of Top Hung Window using Outer & Shutter Frame & Handle & Hinges	NOS
2.3	SMOKE SEAL:- Smoke seal assembly around the entire building periphery between the RCC structure and curtain wall at floor level with rockwool of 100Kg/m ³ density & minimum 100 mm thick compressed and sandwiched between the Spandrel Back pan & RCC) held in a 0.8 mm thk. GI tray and covered by a top lid of 0.8	RMT

	mm thk	
2.4	SPENDREL PANEL - providing and fixing the spandrel Insulation with the Glass wool insulation of 50mm thick 48 kg/m3 density slab with side factory laminated 50 gsm black/grey veil of 0.5 mm, firmly held on the GI tray of 0.8 mm thickness and colour matching as per arch. requirement in line with the Tender Drawing. The assembly is kept atleast 50mm away from the glass surface. Insulation shall be retained by aluminium clips, aluminium straps, galvanized steel straps, pins with retaining disks or integral pockets within the unit frames. Provide sufficient insulation support to prevent sagging Insulation shall be fixed on the tray with clips.	SQM
2.5	Roof /Parrapet -mounted facade cleaning jib system (240 kg to 800 kg. These systems are designed for tasks such as window washing, external cleaning, and minor repairs on high-rise buildings.	NOS

S.NO.	ITEM DESCRIPTION	UNIT
3	CCTV WORKS	
3.1	<p>Supplying & erecting of High definition 2 Megapixel IP IR Dome Camera with following features</p> <p>Image sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate : 350°. Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in × 1, Audio Out × 1, Alarm in × 1, Alarm Out × 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation.</p>	Each

3.2	<p>Supplying & erecting of High definition 2 Megapixel IP IR Bullet Camera with following features</p> <p>Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, Field of View : 2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate :350°. Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in × 1, Audio Out × 1, Alarm in × 1, Alarm Out × 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction, Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation.</p>	eACH
3.3	<p>Supplying & erecting of High definition 2 Megapixel IP IR Wide Angle Camera with following features</p> <p>Image Sensor : minimum 1/2.8" Progressive Scan CMOS, Video Resolution : minimum 1920 x 1080 Video Compression : H.264, H.265 or higher, at least Three individually configurable stream, Frame rate : minimum 25 fps at all resolutions, WDR : minimum 120 dB Wide Dynamic Range, ONVIF profile conformant, minimum IR distance : 30m, Lens Type : 2.8/4/6 mm Lens, fixed focal, Field of View :2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65° Lux sensitivity - minimum 0.2 Lux at color, minimum 0.05 Lux at Black & White, 0.0 Lux (IR) Night Vision Distance minimum IR - 30m. Camera minimum Adjustment Angles - Pan : 350°, Tilt : 72°, Rotate :350°. Power Supply : Support 12VDC & PoE, IP67, IK10 - Vandal Resistant. Built in micro SD/SDHC/SDXC card slot of minimum 128 GB, Built in microphone. minimum Input/Output - Audio in × 1, Audio Out × 1, Alarm in × 1, Alarm Out × 1. Image Settings : Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance. Image Enhancements : Day/Night-Auto (ICR)/Color/Black & White, 3D Digital Noise Reduction,</p>	eACH

	Automatic White Balance, Automatic Gain Control, Backlight Compensation, Highlight Compensation.	
3.4	<p>Supplying, installing, testing & commissioning of 24/32/40 Ch. Network Video Recorder (NVR), suitable connect Min. 32 IP Cameras, up to 5 Megapixel Resolution, with HDMI/VGA outputs, provided HDMI output of 4K resolution or VGA output with output up to 1920 × 1080.</p> <p>Support H.265 or higher, H.264, MJPEG, Incoming Bandwidth 250Mbps with minimum 4 SATA Hard Disks, ANR Technology, 4 SATA interfaces for 4 HDDs and capacity of each HDD up to 8TB, minimum 02 USB port, Alarm I/O 16/4, RJ-45 10/100/ 1000 Mbps selfadaptive Ethernet interface, ONVIF conformance,</p> <p>Multiple network monitoring: Web viewer . support protocol TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS.</p> <p>RoHS, UL, CE, FCC certified.</p> <p>duly erected in provided U Rack with wiring connections, tagging and programming etc. complete as per specification no. CCTV-NVR</p>	Each
3.5	<p>Supplying & erecting 8 TB internal Surveillance HDD suitable for SATA Port of NVR, interface transfer rate 6 GB/S, maximum sustained transfer rate 210 MB/Sec to 213 MB/S. Drive bay supported 08+, Cameras supported up to 64, Cache (MB) 256, Load/Unload Cycle -3000000, Work Load Rating per Year 180TB, MTBF 1000000 Hrs. HTTPS. RoHS, UL, CE certified, duly erected inposition in provided NVR as per specification no. CCTV-HDD</p>	Each
3.6	<p>Supplying & erecting 43" professional LED display with 1920*1080 (Full HD) Display, suitable for 16/32 channel NVR and following features</p> <p>Brightness: minimum 500 Cd/m²</p> <p>Contrast Ratio: minimum 1000:1</p> <p>Viewing angle: 178/178 deg.</p> <p>Response time: maximum 8 ms</p> <p>Inputs: HDMI, VGA, BNC,USB, Audio In,</p> <p>Built-in speakers maximum 10 W,</p> <p>Suitable to operate on 100-240 V 50 Hz AC supply and 24/7 Duty Cycle duly erected on wall or table top with standard accessories like wall mount stand and wiring connections etc. complete as per specifications no. CCTV-MON</p>	Each
4	CAR LIFT	
4.1	<p>SITC of Electric Traction CAR Lift with</p> <ul style="list-style-type: none"> · Rated capacity :- 1 Car Big · Floors :- 2B+G+9 floor (13 Stops/13 Landings) · Travel :- 50 mtrs · Location of Lift Machine:- MR · Rated speed :- 0.5mps VS 	Each

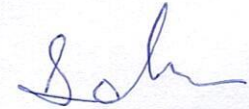
	<ul style="list-style-type: none"> · Car/Landing door clear opening -Max possible door opening required 	
	<p>"SITC of Electric Traction Passenger Lift with</p> <ul style="list-style-type: none"> · Rated capacity :- 14 Passenger/952Kg · Floors :- G+9 floor (11 Stops/11 Landings) · Travel :- 45 mtrs · Location of Lift Machine:- MR · Rated speed :- 1.5mps VS · Car/Landing door clear opening of 900 mm wide x 2000mm high · Clear Car size of 2200 mm wide x 2100 mm deep x 2250mm high <p>Functions & Specific-Purpose Operations</p> <ul style="list-style-type: none"> • Emergency Power Operation (Generator Backup) • Fireman Operation • Self Night Check Operation • Intercom System • Reverse-Direction Car-Call Cancellation • Anti-Nuisance Function • Time Controlled Parking Operation • Advance Door Opening • Emergency Alarm Device • Overload Protection • Automatic Return to Main Floor • Rescue Operation to Nearest Floor • Multi Beam Door Protection • Door Opening Failure Rescue Operation • LANDIC (ARD) • Automatic Voice Announcement System (VONIC) in English, Marathi, Hindi • Re – levelling Operation • Auto Bypass • Remote Monitoring System – RMS • CCTV-Camera Co-Axial Cables (between a car and elevator control panel) • Car Panel, Return Panel, Transom Finish- Stainless Steel (441 Grade) – Brush Finish • Car Door Finish- Stainless Steel (441 Grade) – Brush Finish • Landing Jambs- Stainless Steel (441 Grade) – Brush Finish • Landing Door- Stainless Steel (441 Grade) – Brush Finish • Fire Door- 1 Hours Fire Rated Doors • Controller Door Finish- Stainless Steel (441 Grade) – Brush Finish 	Each
	<p>"SITC of Electric Traction Passenger FIRE Lift with</p> <ul style="list-style-type: none"> · Rated capacity :- 14 Passenger/952Kg · Floors :- 2B+G+9 floor (13 Stops/3 Landings) · Travel :- 45 mtrs · Location of Lift Machine:- MR · Rated speed :- 1.5mps VS · Car/Landing door clear opening of 900 mm wide x 2000mm high · Clear Car size of 2200 mm wide x 2100 mm deep x 2250mm high <p>Functions & Specific-Purpose Operations</p> <ul style="list-style-type: none"> • Emergency Power Operation (Generator Backup) 	EACH

	<ul style="list-style-type: none"> • Fireman Operation • Self Night Check Operation • Intercom System • Reverse-Direction Car-Call Cancellation • Anti-Nuisance Function • Time Controlled Parking Operation • Advance Door Opening • Emergency Alarm Device • Overload Protection • Automatic Return to Main Floor • Rescue Operation to Nearest Floor • Multi Beam Door Protection • Door Opening Failure Rescue Operation • LANDIC (ARD) • Automatic Voice Announcement System (VONIC) in English, Marathi, Hindi • Re – levelling Operation • Auto Bypass • Remote Monitoring System – RMS • CCTV-Camera Co-Axial Cables (between a car and elevator control panel) • Car Panel, Return Panel, Transom Finish- Stainless Steel (441 Grade) – Brush Finish • Car Door Finish- Stainless Steel (441 Grade) – Brush Finish • Landing Jambs- Stainless Steel (441 Grade) – Brush Finish • Landing Door- Stainless Steel (441 Grade) – Brush Finish • Fire Door- 1 Hours Fire Rated Doors • Controller Door Finish- Stainless Steel (441 Grade) – Brush Finish 	
5	BASEMENT VENTILATION	
5.1	Jet Fan	
	<p>Supply, Installation, testing and commissioning of Ductless Ventilation / high thrust Jet fans for Normal ventilation and Smoke Extraction application (maximum 2HP motor) for car parking. The complete fan assembly with its Casing, impeller & motor (not only the motor or one of the item) shall be sourced from one manufacturer and certified as tested for 2500C for 2 hours operation, jet fan motor shall be suitable for 400 volts +/- 10% volts, 50Hz, three phase power supply confirming to IS -12615, IP-55 with class 'H' insulation. Adequate number of CO sensors, , MS conduiting with copper power / control cabling for 3 phase fans and logic controller with necessary control cabling will form a part of the same.</p> <p>Each fan shall be complete with Dual speed motor. Casing shall be made GI. Aluminium Impeller, silencers at inlet and outlet with protection net. The Motor shall run on the electrical power suitable for 50Hz. CFD analysis will be carried out for all the areas leading to the selection of the fans. Cost of CFD analysis for each of the areas shall be included in the quoted rates.</p>	
a	Jet Fan	Each
b	Co Sensor	Each

c	Starter Panel	Each
5.2	Fresh Air Fan	
	Supply, Installation, testing and commissioning of AMCA Certified (For Air and Sound Performance) vane/tube axial flow fan of different capacity as mentioned in schedule in standard M.S./G.I. construction. Entire fan model & AMCA Seal shall appear in technical submittal of fan. All the fans are synthetic enamelled painted/hot dip galvanized with minimum 220 GSM Zinc Coating and complete with bird screen at inlet, along with backdraft damper & canvas connection at outlet. The electric motor coupler shall be squirrel cage induction motor (IE-3 type) confirming to IS - 325-IP - 55 with class 'F' insulation. Fan Total efficiency should not be less than 70 %, noise level should not be more than 75 dba when measured in hemispherical reverberant room conditions at a distance of 3 mtrs from the fan. Fans should be as per specification and drawings.	
a	8200 Cfm Fresh Air Ceiling Suspended Axial Fan Ø 800 mm Dia	Each
b	Starter Panel	Each
5.3	Exhaust Air Fan	
	Supply, Installation, Testing & Commissioning Of Exhaust Air Smoke Spill Single Speed Axial Fan (Normal Mode) With Complete Accessories as Required, Including All Electrical Works To Complete The Job	
a	11750 Cfm Ex.Air Smoke Spill Single Speed Axial Fan (Normal Mode)	Each
b	21000 Cfm Smoke Spill Single Speed Ex.Air Axial Fan (Fire Mode) Ø 1200 mm Dia	Each
	Starter Panel	Each
c	1400 Cfm Exhaust Air Ceiling Suspended Axial Fan Ø 700 Mm Dia	Each
d	1100 Cfm Fresh Air Ceiling Suspended Axial Fan Ø 600 Mm Dia	Each
5.4	Staircase Pressurization Fan	
	Supply, Installation, Testing & Commissioning Of Staircase Pressurization Fan With Complete Accessories as Required, Including All Electrical Works To Complete The Job	
a	Staircase Pressurization Fan 1500 Cfm For Staircase Pressurization	Each
5.5	G.I. Sheet Metal Ducting	
	Supplying, installation, balancing and commissioning of fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and technical specifications of following sheet thickness complete as required.	
a	0.63mm G.I Duct	Sqm
b	0.80mm G.I Duct	Sqm
c	1 mm G.I Duct	Sqm

6	Parking Management System	
	<p>Design & Build of Vehicle Parking Management System (VPMS). The system should consist</p> <ol style="list-style-type: none"> 1. Entry/Exit System Components <ul style="list-style-type: none"> • Automatic Boom Barrier • RFID Reader & Tags • License Plate Recognition (LPR) Camera • Vehicle Loop Detector • Ticket Dispenser (For paid parking) 2. Parking Guidance & Monitoring <ul style="list-style-type: none"> • Ultrasonic/IR Vehicle Detection Sensor • LED Parking Guidance Display • CCTV Surveillance Camera 3. Software & Integration <ul style="list-style-type: none"> • Parking Management Software • System Integration & API Setup 4. Networking & Infrastructure <ul style="list-style-type: none"> • Network Switches (PoE) • Structured Cabling (CAT6) • Server (For database/software) 5. Miscellaneous & Installation <ul style="list-style-type: none"> • Electrical Wiring & Conduits • Mounting Hardware & Accessories • Installation & Commissioning • Training & Documentation <p>Parking management system shall be for 2 Basement level and above ground 2nd to 12th floor level</p>	Nos

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 07/07/2025 पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.



कार्यकारी अभियंता
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/ २३२५ /प्र.क्र.०९ / २२९५ /2025
दि ३० /०६ /2025

प्रत माहितीस्तव -

1. प्रसिध्दीकरीता
2. माहिती फलक करीता