

पनवेल महानगरपालिका
जाहीर निविदा दरपत्रक

आयुक्त, पनवेल महानगरपालिका हद्दीतील पनवेल शहरातील अं.भु.क्र.१८४/१ ए पार्ट पनवेल बहुमजली यांत्रिकी वाहनतळ उभारणे. या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका हद्दीतील पनवेल शहरातील अं.भु.क्र.१८४/१ ए पार्ट पनवेल बहुमजली यांत्रिकी वाहनतळ उभारणे	२३/०९/२०२६ ते २९/०९/२०२६ (७ दिवस)

पनवेल महानगरपालिका हद्दीतील पनवेल शहरातील अमरधाम स्मशानभूमी (अ. भु. क्र. १०६) येथील नादुरुस्त गॅस दाहिनी बदलून नवीन गॅस दाहिनी बसवणे.

Sr. No	Description of Work	UOM	Qty	Rate	Total
1	Providing, supplying, erecting, testing and commissioning of Vertical Rotary Parking System of 18-car capacity, complete with all required mechanical, electrical, structural, control and safety systems, including transportation, installation, testing, commissioning and demonstration, on a complete turnkey basis, as per the detailed technical specifications enclosed in Annexure-A .	Job	1		
2	Providing, supplying, erecting, testing and commissioning of Vertical Rotary Bike parking - 96 Bikes, complete with all required mechanical, electrical, structural, control and safety systems, including transportation, installation, testing, commissioning and demonstration, on a complete turnkey basis, as per the detailed technical specifications enclosed in Annexure-B .	Job	1		
3	Providing, supplying, erecting, testing and commissioning of MS Tower parking 2:1 - 54 cars, complete with all required mechanical, electrical, structural, control and safety systems, including transportation, installation, testing, commissioning and demonstration, on a complete turnkey basis, as per the detailed technical specifications enclosed in Annexure-C .	Job	1		
4	1-year comprehensive operation and maintenance for following				
A	Vertical Rotary Parking System of 18-car capacity.	Year	1		

B	Vertical Rotary Parking System of 96-car capacity.	Year	1		
C	MS Tower parking 2:1 – 54 cars.	Year	1		
	TOTAL				

ANNEXURE -A

Technical specification sheet - Vertical Rotary Parking for 18 Cars		
S.no	Description	Vertical Rotary (Sedan & Hatchback Car)
1.	Max Car Parking Capacity	18
2.	Height of the Machine (mtr)	21.8
3.	Ground Floor Space (mm)	6370 X 5350
4.	Emergency Retrieval	Yes
5.	Manufacturing Orgin	India
6.	Life of system	15 years
7.	Noise level	65-75 decibels
8.	Average Retrieval time	190 seconds
9.	Car Size	Length 5200mm
10.		Width 2100mm
11.		Height 1900mm
12.	Car Weight	2000kg
13.	Traction Drive Unit	Chain Drive
14.		Teeth Chain driving mechanism
15.	Drive Mechanism	Direct drive with Ring Gear and Pinion Gear
16.	Motor power (kw)	18.5kw
17.	Brake	Electro Mechanical Brake
18.	Speed	5 to 8 m/min
19.	Controller	PLC Control
20.	Speed Control	VFD (Variable Frequency Drive)
21.	Driving Control	Mirror
22.	Operation	Touch screen
23.	Incoming Power	AC 415V, 3PH, 50 Hz
24.	Geared Motor Make	SEW / ROSSI / BONFIGLIOLI / Reputed make
25.	Control Panel	Main PLC-Schneider / Omron / Mitsubishi / Reputed make
26.		Operator Interface-EXOR (JMobile Studio) / Reputed make
27.		Switch Gears - Schneider / Reputed make
28.	Safety Device	a) Photo sensor at the Front and Rear of entrance
29.		b) Photo sensor at both sides of Car opening
30.		c) Over current Relay for Motor protection
31.		d) Emergency Stop device
32.		e) Over run stopper on the Pallet
33.		f) Antifall prevention guide (Butterfly guide)
34.	Make of Sensor	Omron / SICK / Autonics / Reputed make
35.	Cables	Lapp / Havells / Orbit or Equivalent / Reputed make

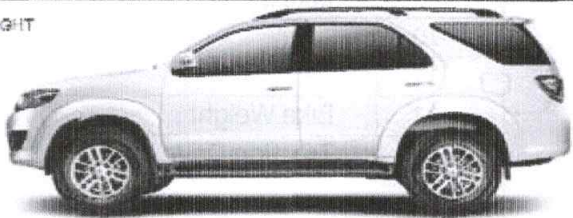
36.	Manual retrieval in case of an Emergency	Manual emergency retrieval Brake in Gearbox
37.	Motor Over Load Protection	Yes
38.	Motor Protection Class (Ip)	IP55
39.	Protection Class	F
40.	Fasteners of Drive Plate	Fasteners - TVS / Reputed make
41.	Fasteners of Frame	Fasteners - TVS / Reputed make
42.	Raw Materials	TATA / SAIL / APOLLO / VIZAG / NOBLE / Reputed make
43.	Frame Assembly	System is balanced by 4 columns (200x200) square tube
44.	Pallet Assembly	Made of 3mm steel sheet
45.	Chain Assembly	Made of Bearing, pin, roller, 3 types of high Alloy Steel
46.	Colour of Parking System	RAL 7011, 7033, 6039
47.	Painting and Powder coating for metal Sheet	Shot blast cleaning PP Powder 180 to 200 microns
48.	Painting and Powder coating for Structural parts	Shot blast cleaning PP Powder 180 to 200 microns

ANNEXURE -B

Technical specification sheet - Vertical Rotary Bike parking - 96 Bikes		
Sl.No.	Description	Vertical Rotary Bike parking
1.	Max. Bike Parking Capacity	96
2.	Height of the Machine (mtr)	15.7
3.	Ground Floor Space (mm)	8100 X 5300
4.	Emergency Retrieval	Yes
5.	Manufacturing Orgin	India
6.	Life of system	15 years
7.	Noise level	65-75 decibels
8.	Average Retrieval time	190 seconds
9.	Bike Size	Length 2100mm
10.		Width 800mm
11.		Height 1000mm
12.	Bike Weight	200kg
13.	Traction Drive Unit	Chain Drive
14.		Teeth Chain driving mechanism
15.	Drive Mechanism	Direct drive with Ring Gear and Pinion Gear
16.	Motor power (kw)	11kw
17.	Brake	Electro Mechanical Brake
18.	Speed	5 to 8 m/min
19.	Controller	PLC Control
20.	Speed Control	VFD (Variable Frequency Drive)
21.	Operation	Touch screen
22.	Incoming Power	AC 415V, 3PH, 50 Hz
23.	Geared Motor Make	SEW / ROSSI / BONFIGLIOLI / Reputed make
24.	Control Panel	Main PLC-Schneider / Omron / Mitsubishi / Reputed make

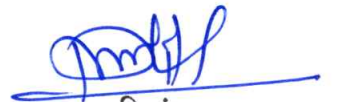
25.		Operator Interface-EXOR (JMobile Studio) / Reputed make
26.		Switch Gears - Schneider / Reputed make
27.	Safety Device	a) Photo sensor at the Entrance
28.		b) Pallet Stopping sensor
29.		c) Over current Relay for Motor protection
30.		d) Emergency Stop device
31.		e) Front wheel Locking device
32.		f) Human Safety sensor
33.		g) Antifall prevention guide (Butterfly guide)
34.	Make of Sensor	Omron / SICK / Autonics / Reputed make
35.	Cables	Lapp / Havells / Orbit or Equivalent / Reputed make
36.	Manual retrieval in case of an Emergency	Manual emergency retrieval Brake in Gearbox
37.	Motor Over Load Protection	Yes
38.	Motor Protection Class (Ip)	IP55
39.	Protection Class	F
40.	Fasteners of Drive Plate	Fasteners - TVS / Reputed make
41.	Fasteners of Frame	Fasteners - TVS / Reputed make
42.	Raw Materials	TATA / SAIL / APOLLO / VIZAG / NOBLE / Reputed make
43.	Frame Assembly	System is balanced by 4 columns (200x200) square tube
44.	Pallet Assembly	Made of 3mm Chequered steel sheet
45.	Chain Assembly	Made of Bearing, pin, roller, 3 types of high Alloy Steel
46.	Colour of Parking System	RAL 7011, 7033, 6039
47.	Painting and Powder coating for metal Sheet	Shot blast cleaning PP Powder 180 to 200 microns
48.	Painting and Powder coating for Structural parts	Shot blast cleaning PP Powder 180 to 200 microns

ANNEXURE -C

MS Tower parking 2:1 – 54 cars System Specification	
Max Car Parking Capacity	54 Cars
Car Details SUV Type Car SUV 5200Lx2100WX2000H(mm) Kerb Weight:2400Kg Max Car Size (Considered)	  Length : 5200mm Width : 2100mm (with Mirror) Height : 2000mm Weight : 2400Kg
Car Entrance	Entry/Exit @ Ground Floor
Execution details	
Traction Unit	Motor 37 Kw or 45Kw x 4P & DC. Brake Reducer Helical i = 1/30 Speed 55 to 65 m/min Mechanism Wire rope (8 wires), 2:1 Rope way
Pallet	Motor 0.75 Kw x 4P & DC. Brake Reducer Helical i = 1/25

	Speed 26 m/min Mechanism - Chain conveyor & Hook pin type Length : 4800mm Width : 2200mm Thickness : 3mm Sheet (JSW/Tata)
Sliding Door	2500(W) x 2500(H) (SUV)
PMS (Parking Management System)	Software _ RFID System Network PLC_ RFID KIOSK-1Nos
Including	a) RFID Chip - 54Nos b) Automatic Lubrication
Electrical Control	
Controller	Vector inverter
Speed Control	Vector or PWM control (Inverter control)
Driving Control	PLC Control
Operation	Touch screen or computer(Optional)
Equipment	AC 380V, 3PH, 50/60Hz (or) AC 220V, 3PH, 50/60 Hz
Lamps	AC 220V, Single PH, 50/60 Hz
Safety Device	a) Guide lamps at entrance b) Inside Guide mirror and Instruction boards c) Photo sensors for positioning car on entry level d) Detector of traction wire breakage, Protector for cage and pallet against over run, Emergency stop switch
Make of key Components	
Steel Structure	JSW/TATA/Mahamaya or Equivalent
Wire Rope	Usha Martin /BWR/BDI
Control System	Allen Bradley/Siemens/ABB/Schneider
Cables	Lapp/Havells/RR/Orbit
Sensor	Omron/Sick/Autronics
Geared Motors	SEW/ROSSI/Bonfigoili
Control Panel	Main PLC-Allen Bradley/Siemens
	Operator Interface-Allen Bradley/Siemens
	Electricals-Siemens/Schneider
PMS Software	SCADA Software (Only for Multiple Towers)
Display	LED Display for Parking Guidance
Painting	Epoxy/PU Painting/Powdercoat
Logic	FIFO Logic (First in First Out)
	Smart Logic-For Safety

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 pmcbandhkardept01@gmail.com यावर दिनांक १२/०८/२०२६ पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.



शहर अभियंता
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/ ७३२६ /प्र.क्र.०१/३२६६/२०२६,
दि. १२/०८/२०२६

प्रत माहितीस्तव — १. माहिती फलक करीता