

पनवेल महानगरपालिका
जाहीर निविदा दरपत्रक

आयुक्त, पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'क' प्रभाग क्र.१४ मधील भुखंड क्र.०४, सेक्टर - १६, नवीन पनवेल (प) या भूखंडावर पनवेल महानगरपालिकेचे "स्वराज्य" मुख्यालय इमारतीचे अंतर्गत सजावट व इतर अनुषंगीक कामे करणे. या कामाचे अंदाजपत्रक बनविण्याकरीता खाली नमूद केलेल्या बाबींकरीता खालील नमूण्यात दर मागविण्यात येत आहे.

अ.क्र.	कामाचे नाव	मुदत
१	पनवेल महानगरपालिका हद्दीतील प्रभाग समिती 'क' प्रभाग क्र.१४ मधील भुखंड क्र.०४, सेक्टर - १६, नवीन पनवेल (प) या भूखंडावर पनवेल महानगरपालिकेचे "स्वराज्य" मुख्यालय इमारतीचे अंतर्गत सजावट व इतर अनुषंगीक कामे करणे.	०४/१२/२०२३ ते १२/१२/२०२३ (७ दिवस)

IBMS & Fire Fighting Work
Specification

Sr. No	DESCRIPTION	Quantity	Unit
	NOTE:- ALL ITEM RATES SHOULD BE FOR 3 YEARS DEFECT LIABILITY PERIOD.		
	Intelligent Building Management System,Wi fi based ,IoT & CLOUD BASED , WEB EX reports , ,JOHNSON CONTROL/ SIEMENS/ HONEYWLL/SCHNEIDER/L&T /PANASONIC/75 F SMART INNOVATION/MSD CONTROL/ENLITE		
1	Supply ,installation,testing and commissioning of IoT & Cloud BASED SOFTWARE(CLOUD ENABLED),Web ex, and also providing sufficient Cloud space for all the DATA/Error codes/WEB EX reports	1	Lot
	Necessary Building Management System Software and Software license as required to execute the all required function ,Cloud data ,Cloud reports, necessary dynamic graphics and building plans, Energy Management System, IBMS Programme, alarms, trends, reports,as per specifications ,as directed ,complete etc.		
	MAKE:- JOHNSON CONTROL/ SIEMENS/ HONEYWLL/SCHNEIDER/L&T /PANASONIC/75F SMART INNOVATION/MSD CONTROL//ENLITE		
	Quantity of IO points as per IO summary enclosed (Approximately - 3070 ANALOUGE/DIGITAL POINTS +12500 SOFT POINTS), THE SOFTWARE SHOULD BE ABLE TO GENERATE THE CLOUD ELIPTICAL REPORTS ,WEB EX Reports AND SHOULD HAVE LIMITED REMOTE ACCESS		
	INTEGRATION		
	Integration of standalone Systems with BMS (All hardware and software required for integration with the specific standalone system with BMS shall be supplied by respective contractor) for the below listed,		
	HVAC Systems -Chillers,pumps,coolingtower,hrw, AHUs , Fans,VFD,etc.		
	VRV System		
	ELECTRICAL FEEDERS		
	UPS/BATTERY		
	DG SET/HSD TANK/PUMPS		
	LIFTS/ESCALATOR		

	ENERGY METERS		
	VFD		
	PLUMBING PUMPS		
	OWC		
	TANK LEVELS		
	STP EQUIPMENTS		
	FIRE ALARM SYSTEM & FLOW SWITCHES		
	VAV Boxes - 250 nos.		
	Cooling tower water treatment system		
	Condensor auto tube cleaning system		
	3RD PARTY SCADA SYSTEM		
	3RD PARTY SMART PANELS /SMART DB = 75 NOS.		
2	Supply,installation,testing and commissioning of Work station along with furniture in existing BMS room,as per specifications ,as directed ,complete etc. MAKE: - HP / DELL / LENOVO / LG / SAMSUNG	1	Set
2.1	Client Workstation with Output to		
2.2	Processor type - Core i7		
2.3	Xeon 2.13 / 2.4 GHz Processor		
2.4	8 GB RAM		
2.5	Dual / four port NVIDIA display card		
2.6	1 TB HDD		
2.7	Built in DVD R/W drive		
2.8	Gigabit TCP/IP port		
2.9	Windows		
2.10	1 Nos. of 32" Network based LED monitor along with accessories for table mount		
4	Supplying and fixing of following GI Perforated Type Cable Tray system including fittings ,as per specifications ,as directed ,complete , etc. MAKE: -PROFAB/LEGRAND/ INDANA		
6	DIRECT DIGITAL CONTROLLER(DDC),IoT & CLOUD Based as per specifications ,as directed ,complete , etc. MAKE:- JOHNSON CONTROL/ SIEMENS/ HONEYWLL/SCHNEIDER/L&T /PANASONIC/75 F SMART INNOVATION/MSD CONTROL//ENLITE		
	DDC CONTROLLERS : Supply, Installation, Testing and Commissioning of IP Based DDC controllers. UL and BTL Automation stations / DDC Controller. The controllers shall be 32 bit microprocessor based standalone with real time clock. The DDC's shall be capable of peer to peer communication with other DDCs on the basis of master & slave topology. Also it should come up with lockable MS mounting cabinets duly powder coated connector strip, internal wiring and space to house controller & relays, connector strip current transformer, MCB, internal wiring. (Contractor shall confirm his I/O provision w.r.t requirement on basis of data point). DDCs requiring more than 2 additional Plug in type IO Module cards or expansion modules to suffix the requirement of required inputs/outputs are not acceptable. Use of AI to DI multiplexer is also not acceptable. DDCs		


	shall be compact factory fitted with IO Points.as per specifications ,as directed ,complete , etc.		
6.2	Electrical panels Feeders PANEL Refer IO Summary	1	Lot
	Providing, installation, testing & commissioning of programmable controller (Imported) easy Graphical Programming and shall be able to store the programme in the controller.rather than sote it in P.C. including Lockable Mounting Cabinets/Enclosures duly powder coated,connector strip, internal wiring, Terminal blocks,MCPs etc. as per specifications ,as directed ,complete , etc..(Contractor shall mention Qty. of controller on basis of IO Point)		
7.00	Supply,installation,testing ,commissioning/INTEGRATION & ROUTER/GATEWAY ,as per specifications ,as directed ,complete , etc MAKE:- JOHNSON CONTROL/ SIEMENS/ HONEYWLL/SCHNEIDER/L&T /PANASONIC/75 F SMART INNOVATION/MSD CONTROL//ENLITE	1	Lot
	1 NO. CHILLER PLANT MANAGER		
	53 NOS. VRV ODU AND 78 NOS. VRV IDU UNITS		
	3 NOS. UPS		
	4 NOS. DG SETS		
	16 Nos. Lifts/Escalators		
	140 NOS. KWH Energy meters with RS-485 Ports(All meters in the system must be capable of reporting hourly, daily, monthly, and annual energy use.		
	FIRE ALARM PANELS AND CM OF FLOW SWITCHES		
	VAV Boxes - 250 nos.		
	Cooling tower water treatment system		
	Condensor auto tube cleaning system		
	3RD Party SCADA System		
	3RD Party 75 NOS. SMART DB/PANELS		
	SUB TOTAL BUILDING MANAGEMENT SYSTEM COST		
	GST EXTRA AS APPLICABLE		
	NOTE:- ALL ITEM RATES SHOULD BE FOR 3 YEARS DEFECT LIABILITY PERIOD.		
	Intelligent Building Management System,Wi fi based ,IoT & CLOUD BASED , WEB EX reports , ,JOHNSON CONTROL/ SIEMENS/ HONEYWLL/SCHNEIDER/L&T /PANASONIC/75 F SMART INNOVATION/MSD CONTROL/ENLITE		
1	Supply ,installation,testing and commissioning of IoT & Cloud BASED SOFTWARE(CLOUD ENABLED),Web ex , and also providing sufficient Cloud space for all the DATA/Error codes/WEB EX reports	1	Lot
	Necessary Buliding Management System Software and Software license as required to execute the all required function ,Cloud data ,Cloud reports, necessary dynamic graphics and building plans, Energy Management System, IBMS Programme, alarms, trends, reports,as per specifications ,as directed ,complete , etc.		
	MAKE:- JOHNSON CONTROL/ SIEMENS/ HONEYWLL/SCHNEIDER/L&T /PANASONIC/75F SMART INNOVATION/MSD CONTROL//ENLITE		
	Quantity of IO points as per IO summary enclosed (Approximately - 3070 ANALOUGE/DIGITAL POINTS +12500 SOFT POINTS), THE SOFTWARE SHOULD BE ABLE TO GENERATE THE CLOUD ELIPTICAL REPORTS ,WEB EX Reports AND SHOULD HAVE LIMITED REMOTE ACCESS		

	INTEGRATION		
	Integration of standalone Systems with BMS (All hardware and software required for integration with the specific standalone system with BMS shall be supplied by respective contractor) for the below listed,		
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	LIFTS/ESCALATOR		
	ENERGY METERS		
	VFD		
	PLUMBING PUMPS		
	OWC		
	TANK LEVELS		
	STP EQUIPMENTS		
	FIRE ALARM SYSTEM & FLOW SWITCHES		
	VAV Boxes - 250 nos.		
	Cooling tower water treatment system		
	Condenser auto tube cleaning system		
	3RD PARTY SCADA SYSTEM		
	3RD Party 75 NOS. SMART DB/PANELS		
	SUB TOTAL BUILDING MANAGEMENT SYSTEM COST		
	GST EXTRA AS APPLICABLE		
	FIRE ALARM SYSTEM TO BE INTEGRATED WITH IBMS SYSTEM		
	Intelligent Heat Detector	250.00	Each
	Intelligent Photoelectric Smoke Detector	935.00	Each
	Addressable Photo electric ABOVE CELING Smoke Detector .	805.00	Each
	Addressable Intelligent Multi Sensor Detector Make: NOTIFIER/HONEYWELL/MORLEY/SIEMENS/ EDWARD/L&T	210.00	Each
	Addressable Beam Detector	10.00	Each
	Addressable Manual Call Point	100.00	Each
	LPG Gas Detectror	5.00	Each
	Remote response indicator	805.00	Each
	CONTROL RELAY for GAS DETECTOR	5.00	Each
	Fault Isolator Module	140.00	Each
	HOOTER	100.00	Each

	Addressable Control Module for HOOTER	100.00	Each
	Addressable Relay Module for PA system integration.	15.00	Each
	Addressable Relay Module for Lift integration.	18.00	Each
	<u>MAIN FIRE PANEL</u> : Supply, Installation, testing & Commissioning of Microprocessor based 12-loop panel ,	3.00	Each
	<u>Repeater Fire Panel</u> : Supply, Installation, testing & Commissioning of Microprocessor based 12-loop panel ,	3.00	Each
	Addressable Monitor Module	200.00	Each
	CM for Flow detector/flowswitch(on Floor Sprinkler branches)	50.00	Each
1.	TOTAL OF FIRE ALARM SYSTEM :-		
1.1	FIRE FIGHTER TELEPHONE SYSTEM:-		
	Addressable Control Module for fire fighter telephone jack.	75.00	Each
	Fire Fighter's Telephone Handset for two way communication between Remote Fire Fighter & Fire Command Center	14.00	Each
1.	FIRE ALARM SYSTEM TO BE INTEGRATED WITH IBMS SYSTEM		
2.	Intelligent Heat Detector	250.00	Each
3.	Intelligent Photoelectric Smoke Detector	935.00	Each
4.	Addressable Photo electric ABOVE CELING Smoke Detector .	805.00	Each
5.	Addressable Intelligent Multi Sensor Detector Make: NOTIFIER/HONEYWELL/MORLEY/SIEMENS/ EDWARD/L&T	210.00	Each
6.	Addressable Beam Detector	10.00	Each
7.	Addressable Manual Call Point	100.00	Each
8.	LPG Gas Detecror	5.00	Each
9.	Remote response indicator	805.00	Each
10.	CONTROL RELAY for GAS DETECTOR	5.00	Each
11.	Fault Isolator Module	140.00	Each
12.	HOOTER	100.00	Each
13.	Addressable Control Module for HOOTER	100.00	Each
14.	Addressable Relay Module for PA system integration.	15.00	Each
15.	Addressable Relay Module for Lift integration.	18.00	Each
16.	<u>MAIN FIRE PANEL</u> : Supply, Installation, testing & Commissioning of Microprocessor based 12-loop panel ,	3.00	Each
17.	<u>Repeater Fire Panel</u> : Supply, Installation, testing & Commissioning of Microprocessor based 12-loop panel ,	3.00	Each
18.	Addressable Monitor Module	200.00	Each
19.	CM for Flow detector/flowswitch(on Floor Sprinkler branches)	50.00	Each
20.	TOTAL OF FIRE ALARM SYSTEM :-		
21.	FIRE FIGHTER TELEPHONE SYSTEM:-		
22.	Addressable Control Module for fire fighter telephone jack.	75.00	Each

23.	Fire Telephone Handset for two way communication between Remote Fire Fighter & Fire Command Center	14.00	Each
24.	FIRE ALARM SYSTEM TO BE INTEGRATED WITH IBMS SYSTEM		
25.	Intelligent Heat Detector	250.00	Each
26.	Intelligent Photoelectric Smoke Detector	935.00	Each
27.	Addressable Photo electric ABOVE CELING Smoke Detector .	805.00	Each
28.	Addressable Intelligent Multi Sensor Detector Make: NOTIFIER/HONEYWELL/MORLEY/SIEMENS/ EDWARD/L&T	210.00	Each
29.	Addressable Beam Detector	10.00	Each
30.	Addressable Manual Call Point	100.00	Each
31.	LPG Gas Detector	5.00	Each
32.	Remote response indicator	805.00	Each
33.	CONTROL RELAY for GAS DETECTOR	5.00	Each
34.	Fault Isolator Module	140.00	Each
35.	HOOTER	100.00	Each
36.	Addressable Control Module for HOOTER	100.00	Each
37.	Addressable Relay Module for PA system integration.	15.00	Each
38.	Addressable Relay Module for Lift integration.	18.00	Each
39.	MAIN FIRE PANEL : Supply, Installation, testing & Commissioning of Microprocessor based 12-loop panel ,	3.00	Each
40.	Repeater Fire Panel : Supply, Installation, testing & Commissioning of Microprocessor based 12-loop panel ,	3.00	Each
41.	Addressable Monitor Module	200.00	Each
42.	CM for Flow detector/flowswitch(on Floor Sprinkler branches)	50.00	Each
43.	TOTAL OF FIRE ALARM SYSTEM :-		
44.	FIRE FIGHTER TELEPHONE SYSTEM:-		
45.	Addressable Control Module for fire fighter telephone jack.	75.00	Each
	Fire Fighter's Telephone Handset for two way communication between Remote Fire Fighter & Fire Command Center	14.00	Each

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 12/12/23 पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.


कार्यकारी अभियंता (प्रकल्प)
पनवेल महानगरपालिका

जा.क्र पमपा/बांधकाम/2321 प्र.क्र.03 /8990(4)/2023

दि. 9 / 12 / 2023

प्रत माहितीस्तव -