

Government eProcurement System Created By: RAMESH BABU K Created Date/Time: 14-Mar-2024 03:34 PM Tender Title: Air Quality Monitoring T 2 at Chennai international Airport. SH DSITC of Spectrum Laser based AQMS and associated works at Chennai international Airport including 02 years DLP and AICMC of 5 years Tender ID: 2024_AAI_186342_1						
Tender Inviting Authority: Airport Authority of India						
Name of Work: Air Quality Monitoring T- 2 at Chennai international Airport. SH: DSITC of Spectrum Laser based AQMS and associated wo						
Tender Id : 2023_AAI_186342_1						
SCHEDULE OF WORK / ITEM(S)						
SI.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Unisearch India Instruments Private Limited(GSTN-NA)	
					Rate	Amount
1.00	ITC of Digital RH, Temperature, PM2.5 & PM10 MONITORING ANALYSER with Remote transmitter & receiver .The entire sensors shall be with suitable enclosure and complete including SS Structure (Suspended /Floor mounting) arrangement with complete as as required. System should operate with power supply - 80 to 300 Vac with complete as per specification mentioned in tender document ect as required .	30.00	Nos	1.00	47777.00	1433310.00
2.00	DSITC of measuring gases of O2, CO & CO2 (TDLS) the following components required. 1.8-Channel Multiplexer, 12@T/P Input, 24@4 -29ma Output- 1 No. 2. Control Software - 1No. 3. Long Path Telescope - 8 Nos. 4. Retor-reflector Array - 8 Nos 5. Visible fault locator - 1 No. 6. FFTR Transmitter/Receiver, Fiber -Fiber-8 Nos. 7.Fiber/Coax Power Meter for CO/CO2-1No 8. Sealed External Audit Module -1 No. 9. BREAK - OUT (JUNCTION) BOX for CABLES - 1No. 10. Panel - 1 Set. 11. Cable & Accessories - 8 Sets 12. SS Structure (Suspended /Floor mounting) arrangement with complete as arequired .	1.00	Job	1.00	30777777.00	30777777.00
3.00	Parameters:CO, CO2 & O2 Measuring Range: CO (0-20000 PPM),CO2 (0-20000 PPM/ 0-25%)O2 (0-21%) Technology:Diode Laser Spectrometer Reflection system:19-element Signal Passing Medium:Fiber optic and coax Internal Gas Cell:Should Be Available for CO, CO2 & O2 Compact External Audit facility:Should Be Available for CO, CO2 & O2 Adjustable Systems:X-Y easy alignment for transmitter & Reflector Environment al Protection:Screw plate for mounting Internal Data Memory:On-board Memory of 4 GB Multi-Channel:Rack Mounted 8-channel LCD Display:CO, CO2 & O2 Output Standard:RS-232, Ethernet, TCP/IP MODBUS & 4-20mA 4-20 mA Input -Temperature and Pressure for real-time Internal audit cell-Should be Available Relay- 6 dry-contact relays (5User-configurable) Software-Software for Host computer to setup the operating conditions, store the data.					
4.00	Acquisition Rate- 0.25 – 30 seconds per channel, adjustable. Running averages -Up to 24 hr. Certifications- USEPA/TUV /Equiv. Certificate approved Measuring Distance-Up to 1000 meters Telescope Distance Coverage - 1200 meters(Min) Precision-± 1% of the Signal Accuracy-ppb levels Detection Limits- Customized (ppb to percentage levels) Diagnostic Software-with data Review and Statistical Analysis Environmental Conditions--10 deg C to 60 deg C Power Supply-12 Vdc Response time -Less than 1 Second					

L1 Amount	L1 Vendor
1433310.00	Unisearch India Instruments Private Limited
30777777.00	Unisearch India Instruments Private Limited

5.00	Provision of Receiver with HDD,HDMI monitor, USB PC key board, USB / Etherhet connectivity for system for data down load & printing, including driver software,Output in Microsoft XL format, Power supply 80 to 300 Vac with complete as per specification mentioned in tender document ect as required .	1.00	Job	10.00	300000.00	300000.00
6.00	Type of communication-Wireless (Wi-Fi) Number of receiving station-One (up to 200 Channels). Total no. of transmitters-30 Nos. Data logging rate of each channel-1 reading/Min – minimum Interface to the computer-RJ45-TCP/IP Sensors used for measurement-Silicon Diodes, Platinum RTDs Storage facility of Logged Data-Required. (Six Months minimum)					
7.00	Processor - Intel i7 minimum 11 th Gen (3 GHz)					
8.00	Drive controllers - Integrated serial ATA controller (ICH9R) 3 Gb/s with RAID 0, 1, 5 and 10 capability.					
9.00	RAM - 16 GB LPDDR RAM					
10.00	Slots - 7 full length slots: 2 PCI Express (PCIe) x16 graphics, 1 PCIe x8 (x4 electrical) slot, 1 PCIe x1 slot, 3 PCI slots.					
11.00	Hard Disk - 512 GB SSD					
12.00	Ports - Ports Front: 3 USB 3.0					
13.00	Keyboard - Suitable for windows, keyboard, PS/2 Compatible					
14.00	Operating System & Software - Windows 11 (Min)					
15.00	Antivirus Software - Norton (With minimun 3 years liscence)					
16.00	Network - 100 Mbps Network Interface Card with wake on LAN support					
17.00	DVD ROM - Built in 52X DVD ROM with speakers					
18.00	Monitor Screen - 1 No. LCD screen minimum 22" size colour , colour depth 24 bit, display resolution 1920X 1080 p , Aspect ratio 16:9.					
19.00	Printer - 1 No. Laser Jet A3 Size colour , printing speed 25 A4 pages per Minutes and 15 A3 pages PPM (Monochrome) ,Resolution 2400 X 600 dpi, 8MB SDRAM, Network printing card etc.					
20.00	Providing Software for gas analyser parameters of CO, CO2, O2 for display units purpose at various complete as required.	1.00	Job	10.00	1100000.00	1100000.00
21.00	Supply of 8 core armoured FOC & coax cable, the fixing of existing tray/wall with suitable clamp as complete as required.	2500.00	Mtr	10.00	250.00	625000.00
22.00	Laying of 8 core armoured FOC & coax cable, the fixing of existing tray/wall/surface with suitable clamp as complete as required.	2500.00	Mtr	10.00	300.00	750000.00
23.00	Supply & Fixing of web data logger i/c CPU (Model:DL8D-R) with 8 channel (Model:P B-SST8) analog input module with programming cable (Model:COP-US) for gas analyser system with complete as required.	1.00	Set	10.00	600000.06	600000.06
24.00	SITC of wireless router TP-Link 450MBPS NW TL-WR947HP complete as required.	25.00	Each	10.00	14707.11	367677.75
25.00	SITC of Electronic TV 65" Ultra HD OLED display with Suitable compact PC to display the AQMS parameters in different locations including connectivity with server at all locations complete as required.	8.00	Nos	10.00	177300.00	1418400.00

300000.00	Unisearch India Instruments Private Limited
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1100000.00	Unisearch India Instruments Private Limited
625000.00	Unisearch India Instruments Private Limited
750000.00	Unisearch India Instruments Private Limited
600000.06	Unisearch India Instruments Private Limited
367677.75	Unisearch India Instruments Private Limited
1418400.00	Unisearch India Instruments Private Limited

26.00	Supply, Installation, Testing and commissioning of software interface with existing BMS system (Platform :Suitable to Dicego -CC) of above entire system (AQMS) for two way flow of data between central control station and equipment. The price shall include the necessary integrator required for integration and also the networking of all load managers.	1.00	Job	10.00	1500000.00	1500000.00
27.00	All Inclusive Comprehensive Opeartion & Maintenance of entire AQMS for DLP period of 02 (Two) Years & after DLP 05 (Five) Years as provided under the main contract/work including cleaning ,trouble shooting, preventive maintenance and breakdown maintenance etc. as required as per good OEM practice, recommendation of the manufacturer, instructions of Engineer-in-Charge and as per terms and conditions specified .					
28.00	First year after DLP (3.67 % of SH:I DSITC of AQMS DSITC including all charges and taxes except GST)	1.00	Job		Not Quoted	Not Quoted
29.00	Second year after DLP (4.08 % of SH:I DSITC of AQMS DSITC including all charges and taxes except GST)	1.00	Job		Not Quoted	Not Quoted
30.00	Third year after DLP (4.53 % of SH:I DSITC of AQMS DSITC including all charges and taxes except GST)	1.00	Job		Not Quoted	Not Quoted
31.00	Fourth year after DLP (5.04 % of SH:I DSITC of AQMS DSITC including all charges and taxes except GST)	1.00	Job		Not Quoted	Not Quoted
32.00	Fifth year after DLP (5.59 % of SH:I DSITC of AQMS DSITC including all charges and taxes except GST)	1.00	Job		Not Quoted	Not Quoted

1500000.00	Unisearch India Instruments Private Limited
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Total in Figures

38872164.81

Comparative Chart(eAuction)				
Sl.No	Bidder Name	Auction Start Price	Quoted Rate in Figures and Words (Iteration 0)	
			Bidder Price	Amount in Words
1	Unisearch India Instruments Private Limited	38872164.00	38772164.00	Three Crore Eighty Seven Lakh Seventy Two Thousand One Hundred and Sixty

Lowest Amount Quoted BY: Unisearch India Instruments Private Limited(38772164.00)

Signature Not Verified

Digitally signed by KANA PARTY RAMESH BABU
Date: 2024.04.22 17:27:52 IST
Location: eProcurement System for Central PSUs