Notice for Inviting Quotations by Limited Tenders

Project: SWARD -Secure next-generation Wireless Access RaDio technology for smart cities in India

Submission due: Decemberber 7, 2019 (03:00pm) at Central Stores, MNIT Jaipur

Dated:22/11/2019

Inviting Quotations for Procurement for **Sensors, and Equipment's** for DST Project: **SWARD - Secure next-generation Wireless Access RaDio technology for smart cities in India**.

All the qualified OEM or authorized distributors are requested to submit (in sealed envelope) the quotations for Sensors, and Equipment's for DST Project: **SWARD -Secure next-generation Wireless Access RaDio technology for smart cities in India"** at Computer Science and Engineering. Department, as per specifications and compliance statement of Annexure–I,to VIII

Quotations must be submitted with the following:

1. Compliance statement for the equipment quoted as per Annexure – I format with quoted OEM brand and model number.
2. **EMD of Rs. 24000/-** in the name of Registrar, MNIT, Jaipur payable at Jaipur.
3. Proof that you are OEM/Authorized distributor of quoted products. (proof of the same may be attached with the quotation)
4. Educational discount details if provided for the product.
5. FOR MNIT, Jaipur pricing including the clear division of Basic price, discounts, taxes applicable, entry charges and total price FOR, MNIT, Jaipur.
6. Quoted price shall include 3 years warranty for hardware.
7. Successful bidder shall provide a bank guarantee of 10% of quoted value for the warranty period.

Sealed quotations (**Sealed Envelope must be super scripted "Project: SWARD -Secure next-generation Wireless Access RaDio technology for smart cities in India" (Computer Engineering.)"** with requisite documents and EMD must be sentto:

Assistant
Registrar
(S&P),
Central
Stores
Malaviya National Institute of
Technology JLN Marg
Jaipur – 302017

The sealed quotations must reach at the above address **on or before 3:00pm, December 07, 2019**. The quotations shall be opened on the same day in front of the committee and the vendors at **04:00pm, December 07, 2019.**

Assistant Registrar
(S&P) MNIT,
Jaipur
Phone: 0141-2713312, Fax: 01412529029, 01412529154

Annexure - I

Specifications for Equipment: Waste Management IoT kit : 01			
Quoted OEM Brand			
OEM Model Number (Attach Detailed Information Brochure)			
Kit	**Waste Management IoT kit**		
Item	**Description of Requirement**	**Compliance**	**Remarks**
Sensors	Two units of Carbon Monoxide Detecting Sensor Measurement Range 0 ~ 250 ppm Two units of CO2 Sensor Two CH4 Gas Sensor Two units of REES52 MQ2 Arduino Compatible Gas Sensor, Methane, Butane, LPG, Smoke Sensor Two units of MQ135 Ammonia Gas Sensor Detector Two units of Generic MQ-3 Alcohol Ethanol Sensor Gas Detector Detection range 10 ~ 1000 PPM Two units of MQ136 Sensor for Hydrogen Sulfide Two units of Air Pollutants Gas Sensor Gases Detected (CH4, CO, CH-CH3,H2,CH3-CH2-OH) Two units of NO2 Gas Sensor Measurement Range 0.05 ~ 5ppm Two units of Ccs811 Voc and Eco2 Gas Detection Sensor		
Connector	Jumper Wires M to M, m to f, f to f, 350 Pieces		
Buzzer	Four Grove - Buzzer with Sound Output ≥85dB		
Dustbin	Counter Top Dustbin 3 Lt capacity ; Swing Lid dustbin 32 Lt. Capacity		
Motor	Two units of Servo Motor Speed 48V: 023 Sec/ 60 deg 60V: 019 Sec/ 60 and Torque 48V: 32 Kg-cm 6v: 41 Kg-cm		
Power	Battery minimum 9 V according power requirement of kit		

Annexure - II

Specifications for Equipment: Smart Lighting IoT kit : 01			
Quoted OEM Brand			
OEM Model Number (Attach Detailed Information Brochure)			
Kit	**Smart Lighting IoT kit**		
Item	**Description of Requirement**	**Compliance**	**Remarks**
Sensors	12 Units of DTH-11 Digital Temperature And Humidity Sensor Measurement Range Humidity 20-90%RH Temperature 0~50℃ 12 Units of M127 Digital Thermal Sensor 12 Units of Human Presence Sensor		
Bulb	12 Units of Philips Hue 9.5W E27 Smart Bulb, White Ambience 2 units of Philips Smart Bright LED Light, Warm White, 240 volts		
Connectors	Jumper Wires according to requirement		

Annexure - III

Specifications for Equipment: Smart Home kit : 01			
Quoted OEM Brand			
OEM Model Number (Attach Detailed Information Brochure)			
Kit	**Smart Home kit**		
Item	**Description of Requirement**	**Compliance**	**Remarks**
Devices	Philips Coffee Maker HD7431/20, Black 0.6 liter capacity Vacuum Cleaning Robot iRobot 900 Series Roomba 980 Google Nest x Yale Lock, Satin Nickel Two units of Amazon Echo Plus 2nd Gen, Black Two units of Wipro Garnet Smart Light LED Bulb, 220 volts Philips Hue Bridge Gen 2.0 IP20, white		
Cicuit Elements	ZigBee USB speed of 2.4 GHz LIFX A19 LHA19E26UC10 LED Light Bulb, Multicolor, 11 watts Xiaomi MIJIA Window Door Sensor Xiaomi Smart Human Body Sensor Xiaomi MIJIA Upgraded ZigBee Version Gateway		
Printer	HP Laserjet Pro M252dw Color Printer, White with Toner cartridge		
Tablets	Samsung Galaxy Tab S5e, 10.5 inch, 64GB, Wi-Fi Black Apple iPad Mini, Wi-Fi, 64GB, Space Grey		
PDA for Software Testing	Redmi Note 8 Pro, Halo White, 6GB RAM, 128GB Storage OnePlus 7T, Glacier Blue, 8GB RAM, Fluid AMOLED Display, 128GB Storage, 3800mAH Battery Samsung Galaxy M30, Gradation Black, 6+128 GB Asus ROG Phone II, Black, 128 GB ROM, 8 GB RAM		

Annexure - IV

Specifications for Equipment: Smart Irrigation system kit : 01			
Quoted OEM Brand			
OEM Model Number (Attach Detailed Information Brochure)			
Kit	**Smart Irrigation system kit**		
Item	**Description of Requirement**	**Compliance**	**Remarks**
Sensors	Five units of Soil Humidity Hygrometer Moisture Detection Sensor Module 10 units of REES52 Arduino Uno R3 Five units of Raspberry Pi 3-MODB-1GB Motherboard, Black Three units of Raspberry PI 3 Model B+ Motherboard, Black		
Bulb	5 units of Generic Grow Light E27 AC85-265V		
Connectors	Jumper Wires according to requirement		
Circuit Elements	NTE Electronics Standard Recovery Rectifier Diode, 1N4007 General Purpose Transistor 2N3904 NPN Resistor 221 Ohm Electric Dc Motor 6V Transparent PVC Pipe Tube 2M/ 6.56FT Six units of Breadboard, with 400 points DC Submersible Pump 9V tube length 50 cm		
Glue Gun	Generic Hot Glue Gun, Black with minimum 30 glue sticks		

Annexure - V

Specifications for Equipment: Rotary Automated Smart Car parking system: 01			
Quoted Mutrade Brand			
Mutrade Model Number (Attach Detailed Information Brochure)			
Parking System	**Mutrade Vertical Horizontal Rotary Automated Smart car parking system, BDP**		
Item	**Description of Requirement**	**Compliance**	**Remarks**
Height	5000mm		
Width	1850 mm		
Warranty	1 Years		
Capacity	5 ~ 1000+ cars		
Loading Capacity	2000kg/2500kg		
Car type	Sedan or SUV		
Car Size	5000 * 1850 * 1550/2050mm		
Total height	9.7m/11.58m/13.51m		
Motor power	4-22.5kw		
Control mode	PLC, Omran/Schneider		
Operation mode	ID Card / button		
Drive Mode	Hydrualic cylinder+steel rope		

Annexure – VI

Specifications for Equipment: Central Data Controller : 01			
Quoted Apple Brand			
Apple Model Number (Attach Detailed Information Brochure)			
Desktop CPU	**Apple iMac (27-inch Retina 5K Display, 3.5GHz Quad-core Intel Core i5, 8GB RAM, 1TB)**		
Item	**Description of Requirement**	**Compliance**	**Remarks**
Display	27-inch (diagonal) Retina 5K		
Processor Speed	3.5 GHz		
Resolution	5120x2880		
RAM Size	8 GB		
Core	Quad-core i5		
Hard Drive Size	1 TB		
Height	51.6 cm		
Width	65 cm (25.6 inches)		
Depth	20.3 cm (8 inches)		
Weight	9.42 kg (20.8 pounds)		
Keyboard and Mouse	Magic Keyboard, Magic Mouse 2		

Annexure –VII

Specifications for Equipment: Controller: 01

Quoted HP Brand			
HP Model Number (Attach Detailed Information Brochure)			
Laptop	**HP Omen 15-dc1093TX Shadow Black**		
Item	**Description of Requirement**	**Compliance**	**Remarks**
Dimensions	36 x 26.3 x 2.6 cm		
Weight	2.9 Kg		
Screen Size	15.6 Inches		
Resolution	1920 x 1080 pixels		
Windows	10 OS		
Processor Brand	Intel		
Processor Type	Core i7 9th Gen		
Processor Speed	2.5 GHz		
RAM Size	8 GB		
Memory Technology	DDR4 RAM		
Hard Drive Size	1 TB		
Average Battery Life	4 hours		
Operating System	DOS		
SSD	256 GB SSD		
GraphicCard	NVIDIA Graphics Card		
Graphics Card Ram Size	4 GB		