



WALCHAND COLLEGE OF ENGINEERING, SANGLI
(Government-Aided Autonomous Institute)



Computer Science and Engg.Department
TENDER DOCUMENT
For Supply of IOT Material

Bid Details		
1.	Date of releasing tender	12 th Oct 2021
2.	Last date and time for submission of Bid Documents	23 rd Oct 2021 up to 6:00 pm
3.	Date and Time of opening of Technical Bid Documents	25 th Oct 2021 at 11:00 am
4.	Date and Time of opening of commercial Bid Documents	27 th Oct 2021 at 3:30 pm



INVITATION FOR TENDERS

Ref No: CSE/IOTMaterial/OCT/2021/

Date: 12/10/2021

To _____

SUB: Invitation of Tender for supply of equipment/material through E- procurement portal

Dear Sir,

You are invited to submit your most competitive bid subject to the terms and conditions as enclosed herewith. Tender form is available on the website "<https://organizations.maharashtra.nextprocure.in>" for the submission. To participate, bidders need to register themselves on the portal and generate user ID and Password. For any queries registered bidders may write to hod.cse@walchandsangli.ac.in.

The cost of tender form (Rs 500/-) and EMD (at 3% of the total offered cost of the items) is to be paid in the form of separate DD drawn at nationalized bank in the favor of "Director, Walchand College of Engineering, Sangli". A photocopy of the DDs needs to be uploaded on the portal along with the offer. The DDs should be sent to the college office clearly stating "DD towards cost and EMD for the tender -----" so as to reach on before----- . The bidders may pay the amount through NEFT on Bank of India (Vishrambag Branch); Current account 150720100000002; IFSC: BKID0001507 with narration as "amount towards cost and EMD of the tender -----".

Please note that the last date for E - submission of the Tender is 23/10/2021. The tenders without DD or NEFT will not be considered. The bidders may write purchase related queries to above mentioned Email IDs on or before 18/10/2021. The queries will be answered on or before 20/10/2021

The services are to be provided within our college premises within 30 days from the date of our firm purchase order.

We look forward to receive your most competitive bids.

Yours faithfully,

Director

Walchand College of engineering
Vishrambag, Sangli.



Item Description

Sr.No.	Particulars	Quantity	Basic Rate/Unit	Total Amt. Inclusive of all taxes.
1	Raspberry Pi 4 4gb	10		
2	Arduino Uno R3 Board	10		
3	5V 3 A Raspberry Pi AC Adapter	5		
4	Raspberry Pi Case	10		
5	Raspberry pi 7" Touch Screen Display	5		
6	Pi Power over Ethernet Shield	5		
7	Pi Expansion Board with XBEE connections	5		
8	Raspberry Pi Zero W	5		
9	GPIO Expansion Module	5		
10	2.7" E Paper Display for Pi	2		
11	3.5" Touchscreen Lcd for Pi	2		
12	40 Pin GPIO Expansion for Breadboard	2		
13	DHT11 / DHT 22 Temperature Humidity Sensor	5		
14	DS18B20 Temperature Sensor	5		
15	BMP 180 Barometer Sensor	5		
16	Moisture Sensor	5		
17	MQ2 Gas Sensor	5		
18	infrared distance meter	5		
19	GPS Neo 6 M Module	5		
20	Usb GPS Receiver	5		
21	MPU 6050 Gyroscope	5		
22	HMC5883L Compass	5		
23	2.4 GHz NRF 24L01 Module	5		
24	Laser Module L650MOD Laser Sensor Module 650nm 6mm 5V 5mW Red Laser	5		
25	Servo Motor SG90 Tower Pro Micro Servo Motor for RASPBERRY PI ARDUINO	2		
26	Stepper Motor REES52 ULN2003 5V Stepper Motor + Uln2003 Driver Board for Arduino	2		
27	PCA9685 Servo Board SLB Works 16-Channel 12-bit PWM Servo Motor Driver I2C Module Board PCA9685	2		
28	L293D Motor Driver Module L293D-02 L293D Ic Based Motor Driver Module Compatible with Arduino and Other MCU	2		
29	12V 100 RPM DC Motor	1		
30	12V 200 RPM DC Motor	1		
31	12V 500 RPM DC Motor	1		
32	12V 1000 RPM DC Motor	1		
33	12V 1200 RPM DC Motor	1		
34	A4988 Servo Driver Module Evalua Rumba+ Control Board & 6Pcs A4988 Stepper Motor Driver for 3D Printer	1		
35	Joystick Module Dual-Axis XY Joystick Module for Arduino and Devices	2		



36	ADC Module Robocraze PCF8591 ADC/DAC Analog Digital Converter Module RC-A-603	2		
37	Rotary Switch Rotary Switch 1 Pole 12 Way, Set of 2 Pcs ROMTEK	2		
38	Raindrop Sensor Raindrops Detection Sensor Module Rain Weather Module Humidity	5		
39	HeartBeat or Pulse Sensor Pulse-Sensor Pulse Sensor Heartbeat Heart Rate Sensor Module for Arduino	5		
40	8 Relay Module 8 Channel Relay Control Panel PLC Relay 5V Module With Optocoupler For Arduino	1		
41	HD44780 4 Line Lcd Display 20x4 Line LCD Display with Yellow Backlight HD44780	5		
42	7 Segment Display Module 4 Bits Digital Tube LED Display Module With Clock Display TM1637 for Arduino Raspberry PI	2		
43	Fingure print Optical Sensor Module Optical Fingerprint Reader Sensor Module for Mega2560 UNO R3 Raspberry Pi 3 RC-A-400	2		
44	4x4 matrix Keypad Matrix Keypad 4x4, Membrane type, Self Adhesive	2		
45	4x3 Matrix Keypad	2		
46	Water flow meter sensor Flow Sensor	5		
47	Load Cell Sensor HX711 Dual Channel Precision ADC and Load Cell Weighing Sensor - 40Kg	2		
48	Raspberry Pi Camera Module Camera-5Mp Raspberry Pi 3 Camera Module Board 5Mp	5		
49	Touch Sensor TTP223B Digital Touch Sensor Capacitive Touch Switch Module	5		
50	Flame Sensor SEN16 Flame Sensor Infrared Receiver Module Ignition Source Detection Module	5		
51	Hall Effect Sensor Hall Current Sensor Module ACS712 20A Model	5		
52	Shock Sensor 3pin SW-18015P Shock Sensor Vibration Switch Sensor Module KY-002 For Arduino UNO Mega PIC AVR Raspberry pi	2		
53	Buzzer Sensor Active Buzzer Alarm Module Sensor Beep for arduino smart car GM	2		
54	HDMI To VGA Cable	10		
55	Micro USB cable for Power Supply	10		
56	Female/Male Jumper Wires for Arduino/Raspberrypi/Robotics - 40 x 8"	5		
57	Male/Male Jumper Wires for Arduino/Raspberrypi/Robotics - 40 x 8"	5		
58	Female/Female Jumper Wires for Arduino/Raspberrypi/Robotics - 40 x 8"	5		
59	RC522 RFID Reader/Write For Arduino	5		
60	Triple Axis Accelerometer ADXL335 for Arduino/Raspberry-Pi/Robotics	5		
61	CMOS Camera (OV7670) Module for Arduino/Raspberry-Pi/Robotics	5		
62	Ultrasonic Sensor Module HC-SR04 for Arduino/Raspberry-Pi/Robotics	5		
63	Infrared distance sensor 0A41SK / GP2Y0A41SK0F for Arduino/Raspberry-Pi/Robotics	5		
64	GSM GPRS SIM900A module with Stub Antenna and SMA connector for Arduino/Raspberry-	5		
65	PIR Motion Detection Sensor HC-SR501 for Arduino/Raspberry-Pi/Robotics	5		
66	IR Proximity Sensor for Arduino/Raspberry-Pi/Robotics	5		



67	HC-05 Wireless Bluetooth RF Transceiver Module Serial/TTL/RS232 for Arduino	5		
68	ESP8266 WiFi module Arduino	5		
69	Soldering gun	2		
70	Soldering Wire	2		
71	Soldering Flux	2		
72	Breadboard	10		
73	SanDisk EVO Plus microSD Memory Card 32GB (For Raspberry Pi)	10		
74	LIDAR-053 EAI YDLIDAR X4 LIDAR Laser Radar Scanner Ranging Sensor Module 10m 5k Ranging Frequency for ROS SLAM Robot	7		
75	433MHz LoRa SX1278 Long Range RF Wireless Module DRF1278F for Arduino	5		

Eligibility Criteria

The Applicants / Bidder shall fulfil all of the following eligibility criteria independently, as on the date of Submission of the bid.

Sr. No.	Eligibility Criteria
1.	The Applicants / Bidder may be a Proprietary firm /Partnership firm / Limited Company / Corporate body legally constituted / authorized dealer and should be registered with the appropriate registration authority
2.	The Applicants / Bidder should have experience in Services to Government Departments, Public Sector Companies, Banks and Government Autonomous organizations/Institutions. The Applicants / Bidder should have executed at least three such works.
3.	There should be no case pending with the police case against the Proprietor/Firm/Partner or the Company as a whole (Applicants / Bidder) shall not have been blacklisted by any Government Departments, Public Sector Companies, Banks and Government Autonomous organizations.
4.	The Applicants / Bidder should be registered with Income Tax and GST Tax departments;



TERMS AND CONDITIONS

Please note following terms and conditions before filling the tender form and return this sheet duly signed along with company's seal.

1. Essential additional Services to be included are installation, training on college site including supplying documentation, Software Media /Software with media. (Licensed Version), manual for the usage, maintenance etc. Equipment for its malfunctioning, if any, must be replaced / repaired to satisfactory working condition within 15 days after official communication during warranty period.
2. For any proprietary items, attach certificate from the manufacturer that the product is proprietary and also attach the valid certificate of authorized dealer/distributor/channel partner saying the product is proprietary.
3. Local/ service support for three years must be provided by the party/manufacturer. By default warranty/bank guaranty for 3 years will be applicable for all items mentioned in tender.
4. Usual payment terms: 80% against successful installation, testing, training, tagging, satisfactory certification from concerned department and 20% after submission of Bank guarantee for three years for 10% of the total purchase order.
5. The TENDER is not transferable and the cost of the TENDER document be paid for Rs.500/- to be paid Online. (This amount is non-refundable). The scan copy receipt for RS.500/- for cost of tender form and EMD must be uploaded. Both (tender cost and EMD) should be drawn from nationalized bank favoring "The Director, Walchand College of Engineering, Sangli." Payable at Sangli.
6. **Earnest Money Deposit (EMD) is to be calculated at 3% of the offered total price of the items for a department.** Tender submissions, without EMD will not be considered.
7. **If tenderer has SSI registration for specific supply of the equipment/ material, the tenderer will be exempted from paying E.M.D. The valid proof of SSI registration documents, for this purpose, along with list of satisfied customers having received similar equipment/ Material must be uploaded. If SSI registered agency found to be lowest the agency has to accept purchase order (PO) and meet with scope of the PO to the satisfaction of college authority.**
8. **If the bidder fails to meet with scope of the tender, the college keeps right to convey the same to appropriate agency to take suitable legal action and even blacklisting the agency for all the future dealings with the college.**
9. The right to reject or accept any or all offers with or without modifications from any or all parties without assigning any reason is reserved with the "Director, Walchand College of Engineering, Sangli".
10. **Rates quoted should be in Indian rupees and should be valid for "Two Months" at least.**
11. The supply of materials should be done preferably within two weeks and not later than four weeks under any circumstances after date of purchase order.
12. Legal matter will be restricted to "Sangli jurisdiction".
13. Quantity mentioned in tender for item may vary.
14. Enough supporting documents, for example, photograph of the equipment, specifications of the items, deviation from tender spec if any, customer list, Authorization letter, GST number etc. must be submitted along with the TENDER.
15. Detailed Time Table for the various activities to be performed in e-tendering process by the tenderer for quoting the offer is given in this Tender Document under Tender Schedule on the E portal. Bidder should carefully note the cut-off dates for carrying out each e-tendering process / activity.
16. Every effort is being made to keep the website up to date and running smoothly 24 x 7 by the Walchand College of Engineering Sangli. However, Walchand College of Engineering takes no responsibility and will not be liable for the website being temporarily unavailable due to any technical issue at any point of time.
17. Walchand College of Engineering, Sangli will not be liable or responsible for any damages or expenses arising from any difficulty, error, imperfection or inaccuracy with this website. It includes



all associated services, or due to such unavailability of the website or any part thereof or any contents or any associated services.

18. Tenderers must register, pay the necessary fees, and follow the time table of e-tendering process and get their activities of e-tendering processes done well in advance so as to avoid any inconvenience due to unforeseen technical problem if any.
19. Walchand College of Engineering Sangli Will not be responsible for any incomplete activity of e-Tendering process of the tenderer due to technical error / failure of website and it cannot be challenged by way of appeal, arbitration and in the Court of Law.
20. The bidder has to submit an undertaking for terms and conditions, if selected for placing the order (Undertaking form will be provided after shortlisting).

Declaration:

I / We have read the above instructions carefully, and I /we abide by the instructions.

Stamp and Name of the Bidder

Date: