

Tender No.: CS/TENDER/01/2019-2020

Date: 06/11/2019

TENDER NOTICE

Vendors enlisted by University of Calcutta are hereby requested to send their quotations for the following items in sealed envelopes within **20.11.2019 at the Department of Computer Science and Engineering, University of Calcutta, JD-2, Sector – III, Salt Lake, Kolkata – 700106.**

1. AIR CONDITION MACHINE:

SPLIT Air condition with 2 Ton having five/three-star electric consumption rating.
National standard of Air Condition Machines is only acceptable with **Installation Charges**
Quantity: Two

Sr. No.	FEATURES		2.0 T
1	Capacity	Cooling Compressor Compressor warranty	24000 BTU/Hr. Reciprocating 5 year
2	Performance	EER (Energy Efficiency Ratio) Air-Circulation CFM Noise Level in dBA	9.2 BTU/Hr./W 500 to 600 37 to 43 dBA
3	Operation	Panel Display Remote Control	Segment / LED / LCD Remote Control Unit
4	Features	ON/OFF Timer Dry Mode Fan Speed Temperature Display Blower fan	To be provided To be provided Three speed To be provided Cross flow type
5	Filter	Anti-Bacteria	Washable type
6	Cooling Coil	Type	1) Inner Grooved Copper 2) Hydrophilic Blue Fins
7	Condensor Coil	Type	1) Inner Grooved Copper 2) Hydrophilic Blue Fins
8	Refrigerant Gas		R-22
9	Electrical Data	Power	R-23
10	Piping	On actuals	R-24
11	Wire Finolex ma	2.5 sq.mm.Cu On actuals	R-25
12	Pipe Insulation	Superlon 10mm thick On actuals	Per Running Meter
13	Drain Pipe	PVC On actuals	Per Running Meter
14	Condenser stand		along with units
15	B.E.E. rating		Min. 3 STAR

Standard Installation Charges to be mentioned

2. PARTITION FOR ROOM NO - 205:

Full Height Partition: Supplying and Fixing Full Height Sliding Partition with Aluminum Panel (1.5mm), complete with Glass and materials and labour charge. The partition will be with two sliding door in the both end. Total working area is 320 Sq Ft. (approx).

3. PROJECTOR:

Quantity: Two

1. Epson EB-X05 XGA V11H839040 3LCD Projector (White)

4. DESKTOP COMPUTERS:

Quantity: 15 (approx.)

TECHNICAL SPECIFICATIONS OF DESKTOP PC		
Sl No	Component	Description
1	Processor	9th Generation Intel Core – i5 9400
2	Chipset	Intel B360
3	Motherboard	Motherboard make from the same Desktop OEM (OEM logo must be embossed in the motherboard).
4	Memory	8GB
5	RAM Type	DDR4 with 2666 Mhz. or higher.
6	DIMMs & Expansion Slots	4 DIMM Slots. Minimum 3 PCI. expansion slots
8	Hard Disk Capacity and optical Drive	1 TB with 7200 rpm or higher. Minimum DVD R/W drive.
9	Graphics	Integrated Graphics (UHD).
10	Network	10/100/1000 on-board integrated Network Port.
11	USB / VGA Ports (Integrated in the motherboard)	Min 8 USB ports
		Integrated VGA and 2 Display Port: Minimum 1 no
12	Audio	Integrated Audio controller with Internal speaker
13	Cabinet	SFF (less than 9 ltrs)
14	SMPS	180 watts, Minimum 85% energy efficient power supply and should be capable of supporting fully configured PC.
15	Operating system	LINUX
18	Security	TPM 2.0
19	Monitor / Display	19.5" display ,LED Backlight, minimum resolution 1600 x 900(Same OEM)
21	Keyboard	Standard full size keyboard (Same desktop OEM make)
22	Mouse	Standard USB Optical mouse (Same desktop OEM make)

5. ANNUAL MAINTAINANCE CONTRACT FOR INSTALLED AIR CONDITION MACHINE IN DEPARTMENTAL LABORATORIES AND ROOMS:

SL NO	AC TYPE	AC IN TONS	UNITS	Ton	Total Ton
01	Windows	2	06	12	108.5
02	Split	2	11	22	
03	Split	1.5	9	13.5	
04	Split	3	1	3	
05	Split	5.5	9	49.5	
06	Split	8	1	8.5	

6. ANNUAL MAINTENANCE CONTRACT FOR INSTALLED DESKTOP COMPUTERS IN DEPARTMENTAL LABORATORIES AND ROOMS:

Quantity :250

Specification: Standard configurations with 1/2/4 GB RAM, 14"/15" monitor, 500 GB HDD, Mouse, Keyboard

7. LAPTOP:

Quantity: One

Apple MacBook Pro ME665HN/A Retina (Ci7/16GB/52GB/Mac OS X)

8. HARDWARE COMPONENTS:

Sl.No.	ITEM	Specification	Quantity
1	Raspberry Pi 4 Model B with 4 GB RAM	Processor- Broadcom BCM2711, quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz RAM Memory - 4 GB LPDDR4 SDRAM	4
2	Raspberry PI Infrared IR Night Vision Surveillance Camera Module 500W Webcam SKU: 51530		4
3	5MP Raspberry Pi 3 Model B Camera Module Rev 1.3 with Cable SKU: 10957	Resolution: 5MP; Interface Type: CSI(Camera Serial Interface);Supported Video Formats: 1080p @ 30fps, 720p @ 60fps and 640x480p 60/90 video; Fully Compatible with Raspberry Pi 3 Model B.;Plug-n-Play camera for Raspberry Pi 3 Model B.	4
4	SanDisk 32GB Class 10 Micro SDHC Memory Card with Adapter (SDSQUAR-032G-GN6MA)		6
5	HC-05 Bluetooth Module with TTL Output		4
6	NodeMcu ESP8266 V3 Lua CH340 Wifi Dev. Board SKU: 62160	Power input: 4.5V ~ 9V (10VMAX), USB-powered; Transfer rate: 110-460800 bps; Support UART / GPIO data communication interface; Support Smart Link Smart Networking; Working temperature: -40°C ~ +125°C;Drive Type: Dual high-power H-bridge; Flash size: 4Mbyte	5
7	DIY 120 Pieces Jumper Wire Set 40 M-M + 40 M-F + 40 F-F Wires (Multicolor)		10

8	GSK WS-750 WS-750 Wire Cutter		4
9	3in1 25W Soldering Iron Kit 5 Meter Soldering Wire		2
10	Arduino UNO R3		4
11	GL-12 830 Points Solderless Breadboard		10
12	BA Digital Multimeter LCD AC DC Measuring Voltage Current Yellow Digital Multimeter		4
13	FADMAN BLUE MINI HOT GLUE GUN 20 WATT 8 GLUE STICKS		2
14	Component7 LED Pack-Basic-Ultimatum, 200 Pieces, 5 Colours		5
15	6 x 8 cm Universal PCB Prototype Board Double-Side SKU: 31308		10
16	Professional Heavy Duty High Quality Electric Home DIY BED1100 Pistol Grip Drill + jon bhandari DR-13 DR-13		1
17.	Hobbitos Syma X%UW-D Radio Controlled 90 Degree Rotable Wi-Fi FPV Camera Altitude Hold Mode RC Drone		

9. SENSORS

ITEM	COMPANY	MODEL	QUANTITY
Distance Sensor	eHUB	HC-SR04	4
IR Sensor	Embeddinator	ENG-IRSENSOR	4
Raspberry pi touch screen display	Raspberry Pi	REES52 XYG-	1
Fingerprint sensor	Robocraze	R307	2
Webcam	Logitech	c170	2
Ldr sensor for Arduino	PRIMETRONIX	x	4
Laser	Generic	x	4
Temperature sensor	REES52	DHT11	4
Barometer	Robodo	BMP180	4
Moisture Sensor	eHUB	EHB067	4
PIR Motion Sensor	PRIMETRONIX	PIR-505	4
Inductive RFID card reader (13.56MHZ)	RFID	RC522	4
GPS Module	REES52	NEO-6M	4
Compass	x	GY-271 HMC5883L	4
Servo Motors	Tower Pro	SG90	4
Joystick	Bot Universe	Ky-023	4
Heartbeat / Pulse Sensor	MAKER AND HACKER	MAKER AND HACKER	4
Relais	SunRobotics	RELAY 5V, 10A - G5LE	4
Buck Converter / Step Down Module	VGS MARKETINGS	LM2596	4
KeyPad / Numpad	x	3X4 12-key	2
Sound Sensor	Embeddinator	x	4

10. Repairing and Painting of Office Standard Almirah with overall size: 78" × 35" × 22"
Quantity: 5

Terms and Conditions

- a. Technical bid should also contain a "Compliance Certificate" duly signed by the manufacturer or bidder.
- b. Tender Specific Authorization from respective OEM for Desktop is required for participation for this Tender.
- c. Installation, testing, commissioning, and integration of the components/equipment purchased is to be done by supplier(s) at our premises. Charges on account of installation and commissioning, if any, should be quoted separately. Otherwise it will be treated that all the charges for the same is included in quoted price
- d. Technical Catalogue/Brochure should be enclosed without fail for quoted equipment / devices
- e. Photo copies of Trade License/PAN/GST/ISO/ Registration Certificate to be enclosed
- f. Account No of Bank of the vendor/bidder
- g. IFS code of Bank of the vendor/bidder
- k. Please note that CU reserves the right to select the Vendor for placing Work Order and lowest quotation does not guarantee selection of Vendor
- m. The vendors are requested to provide necessary credentials in support of their experience in the said domain.

Bsaha

(BANANI SAHA)
Head