

**DEPARTEMENT OF COMPUTER SCIENCE & ENGINEERING
UNIVERSITY OF CALCUTTA**

Tender No. : CS/TENDER/01/2017-2018

Date: 03/01/2018

TENDER NOTICE

Vendors enlisted by University of Calcutta are hereby requested to send their quotations for the following items in sealed envelopes within ten (10) days from the date of announcement of this tender .

The tenders are to be addressed to “Head of Department, Department of Computer Science and Engineering, University of Calcutta, JD-2, Sector – III, Salt Lake, Kolkata – 700106”.

1) AIR CONDITION MACHINE

- a) **WINDOW** Air condition Machine with 1.5 Ton having five star electric consumption rating with Installation Charges

Sr. No.	FEATURES		2.0 TR
1	Capacity	Cooling Compressor Compressor warranty	24000 BTU/Hr. Rotary 5 year
2	Performance	EER (Energy Efficiency Ratio) Air-Circulation CFM Noise Level in dBA	9.0 BTU/Hr./W 525 Below 60 dBA
3	Operation	Panel Display Remote Control	Segment / LED / LCD Remote Control Unit
4	Features	ON/OFF Timer Dry Mode Air-Ventilation Fan Speed Temperature Display	To be provided To be provided To be provided Three speed To be provided
5	Filter	Anti-Bacteria	Washable type
6	Cooling Coil	Type	1) Inner Grooved Copper 2) Hydrophobic Blue Fins
7	Condensor Coil	Type	1) Inner Grooved Copper 2) Hydrophobic Blue Fins
8	Refrigerant Gas		R-22
9	Electrical Data	Power	230 v / 1 Ph./ 50 Hz
10	Wire	Standard 3 mtr.	along with units
11	Pipe Insulation	Type	Supertlon with 10mm thickness
12	B.E.E. rating		Min. 3 STAR

Front grill and outer casing is to be provided alongwith the window unit.

- b) **SPLIT Air condition** with 2 Ton having five / three star electric consumption rating.
National standard of Air Condition Machine are only acceptable with Installation Charges

Sr. No.	FEATURES		2.0 TR
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

2) **PARTITION:**

Full Height Partition: Supplying and Fixing 50mm Full Height Partition with 2'×1 1/2'×2' Hard Wood plank 2 1/2' CC framing work or Aluminum Panel, after framework 6mm ply pasting both sides with Fevicol, and Lamination on all exposed areas with glass fix, and wooden/ aluminum decorative bit from 4' to 5' above, complete with labour and materials. The partition will be with a door of size 6'5"×2'6". Total working area is 330 sqft. (approx).

3) PROJECTOR WITH MOUNT KIT & INSTALLATION:

Display Type: LCD, Light Output: 6500 Lumens, Warranty: 3 Year(s)

Features: HDMI Input, Speakers, Audio: Mono, Life of Lamp - Full Usage: 3000 Hours, Life of Lamp - Eco Usage: 4000 Hours

- a) Brightness : 2700 ANSI lumens
- b) Resolution : XGA
- c) Contrast ratio : 20000:1
- d) light source : LED & Laser hybrid
- e) Life of light source : 20,000 hrs
- f) Input : RGB, HDMI
- g) Warranty : 3 years on Projector and 5 years on Light Source
- h) Mount Kit & Installation : Projector installation with Ceiling Mount and cable wiring.

4) DESKTOP (ThinkCentre M710)

S.No.	Particulars	Suggested Specification
1	Processor Make	Intel
2	Processor Generation	7 th
3	Processor	Intel Core i3 7100
4	Chipset	Intel Chipset with 4 DIMM Slot, RAM expandable upto 64GB
7	Operating System (Pre-Loaded)	DOS
8	Hard Disk	1000GB
9	Type of Ram	DDR4
10	RAM Speed	2400MHz
11	RAM Size	8 GB
12	RAM Expandability	64 GB
13	DIMM Slots	4 No.
14	Optical Drive	1 No.
15	Cabinet	Tower
16	VGA	Available
17	DVI-D	Available
18	DVI-I	Not Available
19	HDMI	Not Available
20	Display Port	2
21	Monitor	TFT
22	Keyboard	Standard
23	Mouse	Optical
24	Speakers	Yes
25	Power Supply	180 Watt
26	Power Efficiency	85%
27	Warranty	3 Years Onsite

5) Lenovo V110 (80TLA01HIN) Laptop

S.No.	Particulars	Suggested Specification
1	Processor Make	Intel
2	Processor Generation	6 th
3	Processor	Intel Core i3-6100U
4	Chipset	Intel Chipset with 4 DIMM Slot, RAM expandable upto 64GB
5	Graphics Type	Integrated
6	Graphics	AMD Radeon R5 M430 2GB DDR3
7	Operating System	DOS
8	Hard Disk	1000GB
9	Type of Ram	DDR4
10	RAM Speed	SODIMM 2133MHz
11	RAM Size	4.0GB PC4-17000
12	Bluetooth	Bluetooth Version 4.1
13	Optical Drive	1 No. DVD Recordable
14	Network Connectivity	Wireless Intel 3165+BT 1x1 AC
15	Display Type	15.6"HD AntiGlare 1366x768
16	Speakers	Yes
17	Battery	4 Cell Li-Polymer
18	Warranty	One year Depot or Carry-in

6) GPU Card: GTX 1070 TI

1	MODEL	ZT-P10710G-10P
2	CHIPSET	NVIDIA GEFORCE
3	GPU	GTX 1070 TI
4	PCI EXPRESS	3
5	GPU CORE (CUDA CORE)	2432
6	GPU BASE CLOCK	1607 MHz
7	GPU BOOST CLOCK	1683 MHz
8	MEMORY CLOCK	8000 MHz
9	MEMORY SIZE	8 GB
10	MEMORY INTERFACE	256-BIT
11	MEMORY TYPE	GDDR5
12	DIRECT X SUPPORT	12
13	OPEN GL	4.5
14	PORTS	3 x DisplayPort 1.2, HDMI 2.0b, DL-DVI-D
15	COOLER	Dual Fan
16	DUAL-LINK DVI SUPPORTED	YES
17	PACKAGE CONTENTS	DRIVER & SOFTWARE
18		GRAPHICS CARD, DRIVER CD, USER MANUAL
19	Height	4.5"
20	Length	10.5"
21	Width	2 Slot
22	Maximum GPU Temperature (in C)	94
23	Graphics Card Power (W)	180 W
24	Recommended System Power(W)	500 W

25	Supplementary Power Connectors	8-Pin
26	WARRANTY	2+3 Years
27	CABINET	ATX MID-TOWER CABINET, Approx Dimensions 521mm x 206mm x 503mm
28	PREFERRED SMPS	CORSAIR VS650 650W SMPS
29	ACCESSORY NEEDED	HDMI TO VGA CONVERTER

7) Sound System.

Sl. No	DESCRIPTION	QTY
01	AHUJA BRAND PA Wall speaker Model: SMX-302T(30 Watts)	1
02	AHUJA BRAND Amplifier with 160 Watts, AC & 24V DC operation,5 Mic. & 2 Aux inputs. Model -SSA-160EM	1
03	Studio Master Cordless handheld <u>Duet</u> Microphone, Model : XR-40 HH	1SET
04	Studio Master Lapel Microphone with head band ,Model: TR-47 (L)	1
05	Ahuja PA UHF Wireless Lapel Microphone	1
06	Table Stand for Microphone,Model :ATS-5	1
07	Studio Master wireless desktop microphone	1

8) Premium Upholstered Lacquer Finish Chairs Without Arm

Company	Supreme Make
Name:	Pearl Super Black Red
Colour	Black/Red, Rosewood/Brown Black/egg, Jordan Brown/Brown circle
Dimensions	Total height:875mm Total width:430mm Total depth:480mm
Description	Lacquer finish synthetic resin medium back with arms with seat & back cushion.

9) Premium Chairs Without Arm

Company	Supreme Make
Name:	Riva Red Black
Colour	Black/light black, red/light black, black/orange, white/natural, orange/light orange, green/light green
Dimensions	Total height:845mm Total width:450mm Total depth:510mm
Description	Fusion chair with anodized aluminium leg & polycarbonate back

10) REQUIRMENT OF DIGITAL LAB

a. Digital Trainer Kit..... .5pcs

Specification:-

- On board 8 TTL Input switches
- On board 8 TTL/ CMOS compatible Output LED's
- +5V Power Supply.
- +12V and -12V Power Supply
- On board 2set 7- Segment display
- On board Manual clock Pulsing (1Hz)

b. IC Tester 1pc

Specifications:

- Compact and easy to operate
- 12 keys keypad for entering the IC Number
- No personality cards/reference IC/IC data required
- Auto Search to find the number of unknown good digital IC with facility to locate its functional equivalents.
- 16 Character high contrast LCD display

c. Cutter cum stripper.....5 pcs

d. CHIP:-.....50 pcs(Each)

74LS10, 74LS76, 74LS86, 74LS138, 74LS139

Clauses

- ❖ The vendors are requested to provide necessary credentials in support of their experience in the said domain.
- ❖ Failure to maintain the abovementioned clauses will result in the termination of the aforesaid Order.

Technical Terms and Conditions

- a. Preferred MSMED certification of the bidder.
- b. Technical bid should also contain a “Compliance Certificate” duly signed by the manufacturer or bidder.
- 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. Tender Specific Authorization from respective OEM for desktop/Laptop is required for participation for this Tender.
- e. Bidder or OEM must not be blacklisted at CU or any Government Organization in Country
- f. Technical Catalogue/Brochure should be enclosed without fail for quoted equipment / devices
- g. MAF to be submitted of Lenovo (Documentary proof to be enclosed).
- h. Photo copies of Trade License , GST Registration Certificate to be enclosed
- i. Account No of Bank of the vendor/bidder
- j. 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

Rajat Kumar Pal

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Prof and Head, CSE