




Centre for Research in Nanoscience and Nanotechnology
University of Calcutta

Notice Inviting Quotation No. Dir/100/Tender/Desktop/CRNN (2019)
Dt. 25.11.2019

Sealed tender are invited for the supply of Desktop Computer (Specifications are given below) at Centre for Research in Nanoscience & Nanotechnology (CRNN). The reputed vendors are hereby requested to submit their tender at CRNN office, including the current Trade License, PAN and GST certificate. Tender should reach at the office of the CRNN, University of Calcutta, JD-II, Sec-III, Salt Lake, Kolkata: 700106, within 27th December, 2019 by 4pm.

Sl No.	Make	Product Description		Qty
1	HP/DELL	Processor	Intel Core i5-9 th Generation	8 Pcs
		Memory	4 GB DDR4	
		Storage	1 TB SATA	
		Motherboard	As per OEM Based	
		Keyboard & Mouse	Qwerty type USB	
		Display	22"	
		Optical Drive	DVD + RW	
		Ports	1 PS2, 1 Ethernet(Fast), 4 USB(Front/Back), Audio, VGA/HDMI/DVI/D-Port	
		Power	450 W	
		Operating System	Windows 10 Pro/ Free DOS	


(Prof. Debasis Das)
Director, CRNN

Date: 04.06.2019

To
The Director,
Centre for research in Nanoscience and Nanotechnology,
University of Calcutta.

Sub: permission for the purchase of desktops for laboratory use.

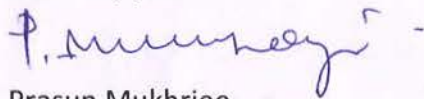
Respected Sir,

This is to kindly inform you that we require **eight units of Desktops**, for data interpretation and other laboratory purposes Centre for research in Nanoscience and Nanotechnology, University of Calcutta.

Your approval on the purchase of the above mentioned product from the CRNN fund through proper tendering process will be highly appreciated. The specifications of the product have been attached.

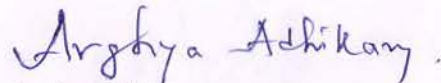
Please do the needful.

Sincerely yours



Prasun Mukhrjee
Assistant professor,
CRRN, CU

Assistant Professor
Centre for Research in
Nanoscience & Nanotechnology
University of Calcutta



Arghya Adhikary
DST-INSPIRE Faculty
CRNN, CU

Dr. Arghya Adhikary
DST INSPIRE Faculty
Centre for Research in Nanoscience
& Nanotechnology
UNIVERSITY OF CALCUTTA

DESKTOP SPECIFICATIONS FOR TENDER

Category	Item Description
Processor	Intel Core i5-9 th Generation
Memory	4GB DDR4
Storage	1TB SATA
Motherboard	As per OEM Based
Keyboard & Mouse	Qwerty type USB
Display	22"
Optical Drive	DVD+RW
Ports	1 PS2, 1 Ethernet(Fast), 4 USB(Front/Back), Audio, VGA/HDMI/DVI/D-Port
Power	450W
Operating System	Windows 10 Pro /Free DOS

#HP/DELL Commercial Desktop

1. Items must be supplied by **Authorized Distributor** with proper vproof of distributorship.
2. Copy of **PAN/GST/TRADE** License must be attached with the **quotation**.
3. Products must be same OEM Brand and Warranty as per OEM.



Assistant Professor
Centre for Research in
Nanoscience & Nanotechnology
University of Calcutta



Dr. Arghya Adhikary
DST INSPIRE Faculty
Centre for Research in Nanoscience
& Nanotechnology
UNIVERSITY OF CALCUTTA



Centre for Research in Nanoscience and Nanotechnology
University of Calcutta

Notice Inviting Tender No. Dir/098 /Tender/Furnace/CRNN (2019)

Dt. 25.11.2019

Sealed tender are invited for the supply of temperature controlled Furnace (Specifications are given below) at Centre for Research in Nanoscience & Nanotechnology (CRNN). The reputed vendors are hereby requested to submit their tender at CRNN office, including the current Trade License, PAN and GST certificate. Quotation should reach the office of the CRNN, University of Calcutta, JD-II, Sec-III, Salt Lake, Kolkata: 700106, within 27th December, 2019 by 4pm.

Product Description:

Furnace with Honeywell make temperature Controller

Type : Tube

Maximum Temp. : 1100 deg C

Working Temp. : 1050 deg C

Tube Inner Dia : 75 mm

Hot zone Length : 150 - 200 mm

Rating : 2 K.W

Power supply : 220 Volt, 1 Ph, AC. 50 Hz.

Description : Table top with high performance chamber furnace.

Furnace Body : Light weight powder coated Steel body.

Insulation : High alumina (Al_2O_3 99%) insulation bricks with backed fibre ceramic board (imported).

Heating Element : Kanthal A1/APM heating element (imported) will consist outside the chamber to ensure good thermal uniformity.

Thermocouple : Type - K

Control System : Temperature should be controlled by micro-processor based PID controller with digital display of the measured value and set point. The PID controller should offer straight line process control and high stability. Its dual display should offer both set point and measured temperatures.

Temp. accuracy : +/- 2 deg C

Control Panel : Should consist with micro - processor based PID Temperature controller, Voltmeter, Ammeter, Relay, Fuse, Switch, indicator, lamp, Plug & Cord.

(Prof. Debasis Das)
Director, CRNN

To
Prof. Debatosh Guha
Director
Centre for Research in Nanoscience and Nanotechnology
University of Calcutta
JD-2, Sector-III, Saltlake City, Kolkata-700106

Dated May 08, 2019

Subject: Request for Purchase of Electric Furnace at CRNN.

Dear Sir,

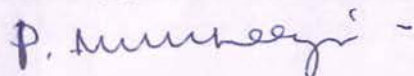
This is to request for your permission for the processing of documents related to the purchase of an electric furnace at CRNN. Please find attached the requested specifications.

The requested item will be needed to perform chemical synthesis related processes.

Your consideration on this matter would be highly appreciated.

Thanking you.

Sincerely yours,



Prasun Mukherjee
Assistant Professor
CRNN, University of Calcutta

Assistant Professor
Centre for Research in
Nanoscience & Nanotechnology
University of Calcutta

Furnace with Honeywell make temperature Controller

Type : Tube

Maximum Temp. : 1100 deg C

Working Temp. : 1050 deg C

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Rating : 2 K.W

Power supply : 220 Volt, 1 Ph, AC. 50 Hz.

Description : Table top with high performance chamber furnace.

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Insulation : High alumina (Al_2O_3 99%) insulation bricks with backed fibre ceramic board (imported).

Heating Element : Kanthal A1/APM heating element (imported) will consist outside the chamber to ensure good thermal uniformity.

Thermocouple : Type - K

Control System : Temperature should be controlled by micro-processor based PID controller with digital display of the measured value and set point. The PID controller should offer straight line process control and high stability. Its dual display should offer both set point and measured temperatures.

Temp. accuracy : +/- 2 deg C

Control Panel : Should consist with micro - processor based PID Temperature controller, Voltmeter, Ammeter, Relay, Fuse, Switch, indicator, lamp, Plug & Cord.



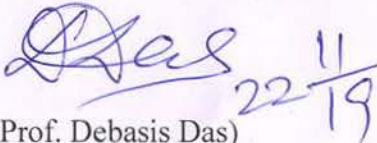
Centre for Research in Nanoscience and Nanotechnology
University of Calcutta

Notice Inviting Quotation No. Dir/099/Tender/Plasticwares/CRNN(2019)

Dt. 25.11.2019

Sealed quotations are invited for the supply of some plasticwares (Specifications are given below) at Centre for Research in Nanoscience & Nanotechnology (CRNN). The reputed vendors are hereby requested to submit their quotations at CRNN office, including the current Trade License, PAN and GST certificate. Quotation should reach at the office of the CRNN, University of Calcutta, JD-II, Sec-III, Salt Lake, Kolkata: 700106, within 27th December, 2019 by 4pm.

Sl No.	Catalogue No.	Company	Product Description	Capacity/Packing	Quantity
1	980040	TARSON	96 WELL CELL CULTURE PLATES (STERILE)	50 Pcs	4 Boxes
2	980020	TARSON	12 well cell culture plate (Sterile)	50 Pcs	4 Boxes
3	980010	TARSON	6 well cell culture plate (Sterile)	50 Pcs	4 Boxes
4	980030	TARSON	24 well cell culture plate (Sterile)	50 Pcs	4 Boxes
5	546021	TARSON	15 ml Falcon (Sterile)	500Pcs	8 Boxes
6	546041	TARSON	50 ml Falcon (Sterile)	500 Pcs	8 Boxes
7	950040	TARSON	25 cm ² cell culture flask	200 Pcs	4 Boxes
8	940030	TARSON	5 ml sterile pipette	250 Pcs	4 Boxes
9	960031	TARSON	Aseptic Cell Culture Petridish (100 mm)	300 Pcs	4 Boxes
10	202070	TARSON	CRYO CUBE BOX (1.8 ml)	100 Pcs	4 Boxes
11	950050	TARSON	75 cm ² cell culture flask	100 Pcs	3 Boxes
12	523040	TARSON	Storage Vial (1 ml)	1000 Pcs	4 Boxes
13	525040	TARSON	Quick Freeze	1.5 ml	3
14	60061	TARSON	Reusable Bottle Top Filter	500 ml	3
15	521020	TARSON	Micro tips (200-1000 µl)	500	10
16	521010	TARSON	Micro tips (2-200 µl)	1000	10
17	521000	TARSON	Micro tips (0.2-10 µl)	1000	10


(Prof. Debasis Das)
Director, CRNN

CRNN office
PI. proceeds
15/11/19

Date: 13.11.2019

To
The Director,
Centre for Research in Nanoscience and Nanotechnology,
University of Calcutta.

Sub: Permission for the purchase of plasticwares for cell culture laboratory.

Respected Sir,

This is to kindly inform you that we require some plasticwares for running the animal cell culture facility properly in Centre for Research in Nanoscience and Nanotechnology, University of Calcutta.

Your approval on the purchase of the products through proper tendering process from CRNN fund will be highly appreciated. List of required plasticwares has been enclosed for your reference.

Please do the needful.

Sincerely yours,

Arghya Adhikary

Arghya Adhikary
DST INSPIRE Faculty,
Centre for Research in Nanoscience
and Nanotechnology,
University of Calcutta

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1	980040	TARSON	96 WELL CELL CULTURE PLATES (STERILE)	50 pcs	4 Boxes
2	980020	TARSON	12 well cell culture plate (STERILE)	50 pcs	4 Boxes
3	980010	TARSON	6 well cell culture plate- (STERILE)	50 pcs	4 Boxes
4	980030	TARSON	24 well cell culture plate(STERILE)	50 pcs	4 Boxes
5	546021	TARSON	15 ml Falcon (STERILE)	500 pcs	8 Boxes
6	546041	TARSON	50 ml Falcon(STERILE)	500 pcs	8 Boxes
7	950040	TARSON	25 cm ² cell culture flask	200 pcs	4 Boxes
8	940030	TARSON	5 ml sterile pipette(TARSON)	250 pcs	4 Boxes
11	960031	TARSON	Aseptic Cell Culture petridish (100mm)	300 pcs	4 Boxes
12	202070	TARSON	CRYO CUBE BOX (1.8ml)	100pcs	4 Boxes
13	950050	TARSON	75 cm ² cell culture flask	100 pcs	3 Box
15	523040	TARSON	Storage Vial(1 ml)	1000 pcs	4 Box
16	525040	TARSON	Quick Freeze	1.5 ml	3
17	50061	TARSON	Reusable Bottle Top Filter	500 ml	3
18	521020	TARSON	Micro tips (200-1000ul)	500	10
19	521010	TARSON	Micro tips (2-200ul)	1000	10
20	521000	TARSON	Micro tips (0.2-10ul)	1000	10