



PANJAB UNIVERSITY

DEPARTMENT OF BOTANY

CHANDIGARH - 160 014

(Esttd. Under the Panjab University Act VIII of 1947 – enacted by the Govt. of India)

Dr. Jaspreet Kaur
Principal Investigator

☎ (91) (0172) 2534001 (Off.)
E-mail: jaspreet.sembi@pu.ac.in

N.I.Q.

UNDER REGISTERED POST

Ref. No. 17-21/JK/Bot
Date: 27.4.2017

Dear Sir,

Please quote your lowest rates in DUPLICATE, for the item (s) given below as per the specifications. Your quotation should reach the undersigned on **or before 10.5.2017**.

COOLING CENTRIFUGE:

Specifications:

RCF:	17,000xg or better
Speed:	13,000rpm or better
Rotor:	24 x 1.5/2.0mL rotor with Click Seal bio containment lid
Rotor:	10 x 5 mL rotor with 13000 RPM with Click Seal bio containment lid
Rotor:	Dual Row 18 x 2.0/0.5mL rotor with screw-on lid 13000 RPM
Timer:	1 to 99 min., 1 min. increments plus HOLD
Acceleration/Deceleration Rates:	8/9 seconds; 12/12 seconds
Noise Level:	<50dBA
Temperature Range:	Set from -9 °C to +40 °C per 1 °C increment
Compatible Servo stabilizer	One
Warranty:	2 year

The rates quoted should be **FOR Botany Department, P. U., Chandigarh. SPECIAL DISCOUNT** for educational institutions/University teaching department may be mentioned. **The technical, financial bids and EMD be enclosed in separate sealed envelopes** duly marked and placed together in a duly sealed envelope giving our reference and due date of quotation. It should reach to **Dr. Jaspreet Kaur, Principal Investigator Department of Botany, Panjab University, Chandigarh-160 014 by due date.** Warranty both parts labour should be minimum of two years.

Thanking you,

Yours sincerely,

(Jaspreet Kaur)
Principal Investigator



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UNDER REGISTERED POST

Ref. No. 22-27/JK/Bot
Date: 27.4.2017

Dear Sir,

Please quote your lowest rates in DUPLICATE, for the item (s) given below as per the specifications. Your quotation should reach the undersigned on or before **10.5.2017**.

DEEP FREEZER (minus 80 degrees centigrade):

Specifications

Style:	Upright
Temperature:	Should maintain -86°C at ambient temperature of up to 32°C
CAPACITY:	350Litres ±10% (Higher Capacity will be preferred)
Compressor:	Minimum two cascading compressors of at least 1 HP each, Power Management System with low voltage surge.
Warm up time:	Minimum 3 hrs
Outer Surface:	Heavy gauge, cold-rolled steel exterior construction with a powder coat paint finish that resists chipping and rust and stainless steel interior.
Compartments:	At least 4-5 Compartments with individual Magnetic door.
Insulation:	Minimum 5" foamed-in-place, polyurethane insulation/ vacuum Insulation panel.
Automatic Reset:	Microprocessor controller to protect the system from failure caused by Power Spikes.
Control Panel:	Digital control panel mounted at Eye level to show all information/ warnings for the system.
Warranty:	2 years on System & additional 2 years on Compressor.
	Heavy duty lockable castors with adjustable levelling feet and lockable outer doors.
	One minute door recovery (after opening) to -70 degree Celsius should less than 30 min.
	Should have Optional facility for Wireless data monitoring system for the freezer with SMS alert.
	Compatible Servo Stabilizer should be supplied with Equipment.

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Thanking you,

Yours sincerely,

(Jaspreet Kaur)
Principal Investigator

