

**< School of Biological Sciences >**  
**Indian Institute of Technology**  
**Hauz Khas, New Delhi-110 016**  
**NOTICE INVITING QUOTATIONS**

Dated: < 30<sup>th</sup> June 2015 >

Tender No: < \_\_\_\_\_ >

Subject : < **Purchase of “Cryogenic shipping system (Microscopy)”** >

**Invitation for Tender Offers**

Indian Institute of Technology Delhi invites **hardcopy** Bids (Technical bid and Commercial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer for <**supply, installation & integration of “Cryogenic shipping system (Microscopy)”**> with three years on site comprehensive warranty from the date of receipt of the material as per terms & conditions specified in the tender document, which is available on CPP Portal <https://eprocure.gov.in/epublish/app> and IIT Delhi website <https://www.iitd.ac.in/tenders> .

**TECHNICAL SPECIFICATION:**

S. No.	Technical Specifications	Remarks
<b>A</b>	<b>Dry shipper Dewar and shipping case for cryogenic sample</b>	
	1. Should have Storage temperature inside the shipping cavity remains at cryogenic temperatures approximately -180°C	
	2. Should assembled with one canister to hold around 15-16 cryocanes which can hold 5-6 vials.	
	3. Should assembled with one necktube core.	
	4. Should hold Liquid nitrogen around 4-5 liters	
	5. Should have Neck diameter around or more than 2.8 inches, and overall height around or more than 18 inches.	
	6. Should have low evaporation rate and static holding time more than 15 days.	
	7. Should be supplied with a shipping case (to fit dry shipper dewar) having shock resistant foam liner to provide extra protection in transit/transportation.	
<b>B</b>	<b>Uni-Puck complete set for pin storage, handling and shipment</b>	
	1. The Cryo Puck should be universal style (Uni-Puck) enclosure and magnetic base that can hold 16 CrystalCaps. The Cryo Puck should be compatible with majority of automated sample mounting systems worldwide at various synchrotrons around the world including photon, diamond, spring 8, ALS and ESRF/EMBL.	
	2. Vendor should quote total <b>Six</b> UniPucks and Each Uni-puck should hold 16 standard 18mm sample pins in CryoCaps. Each part of the Uni-puck should have a unique serial number for identification.	
	3. Vendor should quote for a shipping shelved cane to ship or store the Seven Uni-pucks. This set should include a shelved shipping cane, one locking rod,	

	one J Handle and one T Handle. The complete shipping shelved carrier should fit into a standard 4-5 liter transport Dewar as described above in S. No. 1.	
	4. The set should include one cryo tongs that are designed specifically to hold and transfer cryo-cooled pucks	
	5. The set of tools should include a base removal platform and a porcupine push tool to recuperate the samples.	
	6. The set should include Puck Wand to move the Cryo Puck base by attaching to the Cryo Puck magnetic base. The Puck Wand has a plastic handle and plated steel alloy base that attaches to the magnetic base of the Cryo Puck.	
	7. The set should have Cryo Puck Dewar Loading Tool set to separate the Cryo Puck enclosure from the Cryo Puck base, leaving the CrystalCaps attached to the Cryo Puck base.	
	8. The set should have one Dewar which can hold up-to three uni-pucks for ease of loading or handling crystals.	
<b>C</b>	<b>A high capacity storage device for storing and transporting protein crystals</b>	
	1. High Capacity refrigerator for storing large quantities of materials or samples at cryogenic temperatures. Should have temperatures range between -196°C to -190°C.	
	2. Should hold liquid Nitrogen around 35 Liter or more	
	3. It should have capacity for storing 800 cryovials to over 1000 cryovials	
	4. Device should provide a minimum 120 days of static holding time for precious protein crystals.	
	5. Device should be provided with a necktube core.	
	6. Device should be provided with ten canisters for storage of cryocanes.	
<b>D</b>	<b>Optional items if vendor can provide free of cost</b>	
	1. Optional if Vendor can provide a Carrying case for carrying the Uni-puck tool set in one case for safety and convenience.	
	2. Optional if vendor can include one shelved puck or basket carrier which can hold upto five Baskets for long term storage Dewar.	
	3. Optional if Vendor can provide one additional canister which can take upto five uni-puck baskets.	
	4. Optional if vendor can provide one Roller base for the High Capacity refrigerator.	
	5. Optional if vendor can provide one 90 degree vial tongs, one cryotongs for spine caps, one 45 degree vial tongs spine caps and one straight magnetic cryowand.	

**If any of the technical specifications offered are better than those listed, clear comparison should be provided in the compliance statement with a separate “Remarks” highlighting how the specification is better than that listed.**

## **TERMS AND CONDITIONS**

**I. The technical and commercial bids must be submitted in separate sealed envelopes subscribed with "Technical Bid" or "Commercial Bid" as appropriate. Both the technical and commercial bids should be enclosed in an envelope subscribed, "Quotation for **Cryogenic shipping system (Microscopy)**" and should be submitted to KSBS office.**

2. The validity of the quotation must be at least 3-4 months. If import, Prices should be quoted in CIF, IIT Delhi. The total budget for all the items is only equivalent to 5 lakhs INR only, will not exceed in any case.

3. Warranty period (3 years) should also be mentioned.

4. Vendor should quote complete items in S. No. A, B and C and incomplete bid will not be considered. The item must be a standard product of the company/firm. Catalogue of the equipment must be supplied positively along with the technical bid.

5. The compliance certificate should be provided.

6. The product should be preferably ISO certified.

7. Purchase procedure/rules of IIT Delhi will be strictly followed. IIT Delhi-reserves the right to cancel any or all quotations without assigning any reason thereof. IIT Delhi does not encourage any advance payment and payment will be made after delivery and successful installation.

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The quotations should reach at the address given below latest by 15th of July 2015 (5 PM).

*The tender start date : 30<sup>th</sup> June 2015.*

*The tender end date : 15<sup>th</sup> July 2015.*

*The bid opening date : 16<sup>th</sup> July 2015.*

**Purchaser: < Dr. Ashok Kumar Patel >**,

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