

**Tender Notification for procuring "Twenty Dry shippers and Twenty sets of Unipucks for the Elettra beamline for Macromolecular Crystallography" at the Indian Institute of Science, Bangalore.**

Dear Sir/Ma'am

24/07/2018

**Sub: Request for quotations for Twenty Dry shippers and Twenty sets of Unipucks for the Elettra beamline for Macromolecular Crystallography.**  
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This is a tender notification meant for the purchase of “**Twenty dry shippers along with twenty sets of unipucks**” towards the purpose of crystal shipments to Elettra beamline, Trieste, Italy. Your quotation should clearly indicate the terms and conditions of the quotations, delivery, delivery schedule, entry tax, payment terms, warranty coverage etc. The quotation should be submitted in two parts: **Part I (Technical bid)** and **Part II (Commercial bid)** and both should be submitted in a sealed envelope. Technical bid should be exactly same as commercial bid except that prices are not shown in the technical bid. Technical bid should have item wise compliance report of all specifications. The commercial bid should have pricing for the items quoted in the technical bid. Prices quoted should be inclusive of all taxes / duties. The prices quoted should be inclusive of delivery of the items to the site and installation at site and should include both INR, USD or Euro quotes. The last day for submitting the bid is August 6<sup>th</sup>, 2018. The offer should be valid for a period of at least 60 days from the last date for submission of quotes.

The bid should address specifications for the dry shipper and pucks separately.

Part A. Specifications for dry shipper with shipping case needed to safely transport samples at cryogenic temperatures for extended periods of time.

- i. The dewar should be contain absorbent that would allow faster charging and long hold times.
- ii. The dewar should comply with IATA regulations for shipments across different countries, courier services and customs requirements.
- iii. The static hold times for the dewars should atleast be 21 days or more.
- iv. Evaporation rates for the liquid nitrogen should be under 0.2 lts/day.
- v. Should be capable of absorbing at least 4 liters of liquid nitrogen and maintain a temperature of -150°C
- vi. The neck diameter should be wide enough to accomodate both the ESRF puck containers and Unipuck sleeve in the container.
- vii. The empty and full weight of the dewar should be in the range of 5 to 10 kgs.
- viii. Dewars should have a warranty of atleast two years with guaranteed replacement of the dewar, by the vendor, in the event of damages during shipping.
- ix. The dewar should be supplied with a foam containing shipping box/unit that can accommodate the dewar and prevent shocks to the dewar during transport.

Part B. Universal V1-Pucks (uni-puck)

The vendor should supply a package of **twenty unipuck starter kits**.

Each kit should contain the following.

- i. 7x Universal V1-pucks
- ii. 1x Puck-Shelved Shipping Cane
- iii. 1x Angled Cryo-Tongs
- iv. 1x Puck separator tool

- v. 1x Puck wand
- vi. 1x Cane lifting tool
- vii. 1 x Puck Dewar Loading Tools
- viii. 1 X Puck Loading Dewar with Lid
- ix. A case to accommodate all the above units.
- x. The vendor must also supply two hundred cryocaps and loops of the sizes 35 $\mu$ M, 75 $\mu$ M, 100  $\mu$ M, 200  $\mu$ M sizes with 50 loops of each size.

For both the components participating firms must quote all-inclusive delivery prices and entire shipment must be insured from manufacturers warehouse to IISC –MBU.

**Important:** Please note that material with proven record for use in shipping samples to synchrotrons must be quoted.

The documents may be addressed to the Chairman, Molecular Biophysics Unit (Kind attention: Prof. B. Gopal or Dr. Aravind Penmatsa), Indian Institute of Science, Bangalore 560 012. Last date for receiving queries: August 3rd, 2018. Please email [bgopal@iisc.ac.in](mailto:bgopal@iisc.ac.in) and/or [penmatsa@iisc.ac.in](mailto:penmatsa@iisc.ac.in)

The last date for submission of bids is August 6<sup>th</sup>, 2018.

Thank You,  
Sincerely,

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