

NIPER-G/PUR/GLOBAL/2018/12

Technical Specifications for Ultra Centrifuge

We are requesting the purchase of an advanced ultracentrifuge that performs fast separations of small volumes of biological particles including nucleic acids, proteins, sub cellular fractions, and nanoparticles. The system should have the following critical features which are required for our routine experiments

Specification as per the Tender Notification in Chapter 4	Amended Specifications as per the Pre Bid meeting held on 22-02-2018 in Chapter 4
1. System should be compact and floor model with Maximum RPM of 150,000 rpm and more with Maximum RCF: 10, 48,000 x g and more	1. System should be compact and / bench top or floor model with Maximum RPM of 150,000 rpm and more with Maximum RCF: 10, 48,000 x g and more
2. Ultracentrifuge should accelerate the rotor to the top speed of 150,000 rpm in less than 60-120 seconds.	No change
3. System should have set temperature range 0 - 40 °C in 1 °C increment with an Accel/decel. Profiles 9/9, brake off 9/9, brake off.	No change
4. System should have Speed control accuracy: ± 50 rpm	No change
5. System display: High contrast colour LCD touch panel control interface that is ready to use in less than 9seconds from Operation at a nearly silent sound at maximum speed.	No change

<p>6. System should have Wide volume range up to 4 x 7 mL swinging bucket rotor and up to 6 x 30 mL fixed angle rotor.</p>	<p>System should have Wide volume range up to 4 x 5 mL or more volume for swinging bucket rotor and up to 6 x 30 mL or more volume for fixed angle rotor</p>
<p>7. Refrigeration: Non CFC, thermoelectric module refrigeration.</p>	<p>No change</p>
<p>8. System should have Imbalance intolerant drive allowing up to +/- 5% opposing load imbalance.</p>	<p>No change</p>
<p>9. USB port for output of GMP/GLP compatible run data. User interface offering a controlled access feature restricting access to authorized users with an ID code. A user interface offering 20 programs in memory, speed and g-force operation, actual run timer, Real Time Clock function, step mode operation, pulse mode operation, 100 case operating history, rotor catalogue, and rotor life management.</p>	<p>No change</p>
<p>10. Rotors along with necessary tubes and accessories should be quoted along with the system. 1. Fixed angle rotor : 6 x 30 mL with minimum of 50000RPM along with the tubes: Polyacrylamide (PA) tubes</p>	<p>Rotors along with necessary tubes and accessories should be quoted along with the system. 1.Fixed angle rotor : 6 x 30 mL with minimum of 50000RPM along with</p>

<p>– 100nos</p> <p>2. Fixed angle rotor : 8 x 13.5 mL with minimum of 55000RPM along with the tubes: Polycarbonate (PC) thick walled tubes: 50nos and PA ultra-crimp tubes: 50nos</p> <p>3. Fixed angle rotor : 10 x 2ml with minimum of 140000RPM along with the tubes: PA thick walled tubes – 100 nos and PC thick walled tubes – 100 nos</p> <p>4. Swing out rotor : 4 x 7ml with minimum of 50000RPM along with the tubes: PET Tubes – 50nos</p> <p>Note: The tubes made with other polymeric materials may also consider for respective rotors, if they are transparent, autoclavable and biocompatible with organic solvents</p>	<p>the tubes: Polyacrylamide (PA) tubes or Equivalent grade quality – 100nos</p> <p>2.Fixed angle rotor : 8 x 13.5 mL with minimum of 55000RPM along with the tubes: Polycarbonate (PC) thick walled or Equivalent grade quality tubes: 50nos and PA ultra-crimp tubes or Equivalent grade quality: 50nos</p> <p>3.Fixed angle rotor : 10 x 2ml with minimum of 140000RPM along with the tubes: PA thick walled or Equivalent grade quality tubes – 100 nos and PC thick walled or Equivalent grade quality tubes – 100 nos</p> <p>4.Swing out rotor : 4 x 7ml with minimum of 50000 RPM along with the tubes: PET or Equivalent grade quality Tubes – 50nos</p>
<p>11.System should be supplied with accessories such as rotor cleaning kit, rotor cleaning</p>	<p>No change</p>

brush and silicone vacuum grease etc	
12.If the bidder is unable to show the proof for the technical compliance of specified points in the tender either in the brochure or technical data sheet or instruction manuals the specific point will be considered as does not complies the institutional specification.	No change
13.Supplier should assure the shifting of the equipment to the new campus within the warranty period without any additional cost	No change
14.System should quote for 3 years of comprehensive warranty	No change

Sd/-
Purchase officer

General Terms and Conditions applicable to all 13 tenders published in newspaper on 19th February 2018 and exhibited in NIPER Guwahati website.

Following additional information is provided for the information of prospective bidders for 13 different items for which tender inquiry is issued:

1. Payment terms:

Considering the request made by few prospective bidders during the pre-bid conference held in the institute on 22nd February 2018, regarding payment terms related with foreign suppliers it is clarified that the **indicated payment terms in the tender documents still remains unchanged.** However Director, NIPER Guwahati **at his own discretion** can consider any other mode of payment requested by suppliers based on the reputation, credentials of foreign suppliers in the field and also protecting the interests of NIPER Guwahati. **No request for advance payment will be considered.**

2. Clarification with regard to projecting the cost implications of free delivery of the item at NIPER Guwahati premises.

Subsequent to the Pre-bid conference with regard to projection of price for items coming from abroad, the following guidelines may be followed:

- A) The F.O.B. C.I.F., C.I.P. prices as per the suppliers quote should be indicated in foreign currency only
- B) The additional cost towards payments of custom duty against duty exemption certificated provided by the institute, clearance charges, forwarding consignment from port of clearance to NIPER Guwahati premises etc. can be quoted in Indian currency.

For comparing the price with other bids, the institute at the time of preparing comparative chart for the tenders, the total F.O.B., C.I.F., C.I.P. cost will be converted into equivalent Indian currency at the exchange rate prevailing on the date of tender opening i.e. 13th February

2018 at 1500 hours IST and add the equivalent Indian currency value to the clearance and forwarding charges indicated by the supplier.
