

Clarification of pre-Bid Meeting held on January 27, 2021 for Ultracentrifuge floor model, tender no: RCB/NIT/23/20-21/UCFM

Point no.	Tender Specifications	THERMO FISHER SCIENTIFIC PVT LTD	Backman Coulter Life Science	Remarks
9.	Ambient temp. range: 10 to 45 °C	Ambient temp. range: 2 to 40°C	-	Accepted Ambient temp. range: 10 to 40°C ± 8°C
10.	Speed Control Range: 500 rpm to 1,00,000 rpm	Speed Control Range: 1000 rpm to 1,00,000 rpm	-	Accepted Speed Control Range: 1000 rpm to 1,00,000 rpm
12.	The centrifuge must have optical disc and DRIC technologies for rotor sensing to calculate rotor inertia energy and stops the system to prevent rotor failures if rotor run above its energy- safety feature	Kindly remove as this is one company specific	-	Changed to The centrifuge should have inbuilt optical disk and safety features which can sense and calculate the rotor inertia energy and stops the system to prevent rotor failures if rotor run above its energy.
13.	The centrifuge should have gravity max technology for Fixed Angle & Swinging Bucket Rotor to carryout analysis in different volumes within same rotor without compromising on g-force and RPM.	Kindly remove as this is one company specific	-	Changed to The centrifuge should have rotor to carryout analysis in different volumes with in same rotor. The rotor should be able to run small volume sample within the same rotor having the same RCF force of the rotor specified without any speed compensation.
16.	Power: 180-240 VAC, 50 Hz, single phase	Power: 208-240 VAC, 50 Hz, single phase	-	Accepted
18.	Machine should be brush-less high frequency direct drive motor and have features like Delayed start/ stop, dual display of 'Run' & 'Set' parameters, Real Time Control, etc.	Machine should be brush-less direct drive motor and have features like Delayed start/ stop, dual display of 'Run' & 'Set' parameters, Real Time Control, etc	-	Accepted Machine should be brush-less direct drive motor or brush-less high frequency direct drive motor and have features like Delayed start/ stop, dual display of 'Run' & 'Set' parameters, Real Time Control, etc
23.	Fixed Angle Rotor Max. Speed: 70,000 rpm or more	Fixed Angle Rotor Max. Speed: 65,000 rpm or more	-	Accepted Max. Speed: 65,000 rpm or more

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	Max. RCF: 4,75,000 x g or more Capacity: 8 x 39 ml The rotor should come with adaptor and tubes for 30ml and 4ml	Max. RCF: 4,29,000 x g or more Capacity: 8 x 36 ml The rotor should come with adaptor and tubes for 30ml or more and 6 ml or more.		Max. RCF: 4,29,000 x g or more Capacity: 8 x 36 ml or more. The rotor should come with adaptor and tubes for 30ml or more and 6 ml or more or 4 ml.
23	Minimum no. of tubes	-	Instead of minimum number of tubes. Please specify the no of tubes as minimum 50 tubes	Accepted Must quote minimum 50 tubes and required adaptors
24.	Swinging Bucket Rotor Max. Speed: 41,000 rpm or more Max. RCF: 2,75,000 x g or more Capacity: 6 x 13 ml Minimum no of tubes The rotor should come with adaptor and tubes for 13ml,8ml and 3ml	Swinging Bucket Rotor Max. Speed: 41,000 rpm or more Max. RCF: 2,75,000 xg or more Capacity: 6 x 13 ml Minimum no of tubes The rotor should come with adaptor and tubes for 13ml, 8 to 9 ml and 3 to 6ml		Accepted Swinging Bucket Rotor Max. Speed: 41,000 rpm or more Max. RCF: 2,75,000 xg or more Capacity: 6 x 13 ml Minimum no of tubes The rotor should come with adaptor and tubes for 13ml, 8 ml and 3 ml
24	Minimum no. of tubes	-	Instead of minimum number of tubes. Please specify the no of tubes as minimum 50 tubes	Accepted Must quote minimum 50 tubes and required adaptors
25.	Swinging Bucket Rotor Max. Speed: 55,000 rpm or more Max. RCF: 3,68,000 xg or more Capacity: 6 x 5ml Minimum no of tubes The rotor should come with adaptor and tubes for 5ml and 0.8ml	Swinging Bucket Rotor Max. Speed: 50,000 rpm or more Max. RCF: 296,000 xg or more Capacity: 6 x 5ml Minimum no of tubes The rotor should come with tubes for 5ml and 2 ml		Accepted Swinging Bucket Rotor Max. Speed: 50,000 rpm or more Max. RCF: 296,000 xg or more Capacity: 6 x 5ml Minimum no of tubes The rotor should come with tubes for 5ml, and 2 ml or 0.8 ml
25	Minimum no of tubes	-	Instead of minimum number of tubes. Please specify the no of tubes as minimum 50 tubes	Accepted Must quote minimum 50 tubes and required adaptors
26.	Swinging Bucket Rotor Max. Speed: 28,000 rpm or more Max. RCF: 1,41,000 xg or more Capacity: 6 x 36 ml	Swinging Bucket Rotor Max. Speed: 28,000 rpm or more Max. RCF: 1,41,000 x g or more		Accepted Swinging Bucket Rotor Max. Speed: 28,000 rpm or more Max. RCF: 1,41,000 x g or more

Pran Shukla

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	The rotor should come with adaptor and tubes for 36ml and 8ml	Capacity: 6 x 36 ml. the rotor should come with tubes for 36 ml		Capacity: 6 x 36 ml. the rotor should come with tubes for 36 ml
26	Minimum no. of tubes	-	Instead of minimum number of tubes. Please specify the no of tubes as minimum 50 tubes	Accepted Must quote minimum 50 tubes and required adaptors
27	Must quote the consumable for at least for one year to run the system with full capacity. (Cost to be included in the main Quotation only, the price of units should be mentioned separately)	-	Usage of tubes depend on number of experiment run per day / per month so instead of mentioning consumables for one year, please mention minimum of 50 tubes and required adaptor to run the different volumes should come with the machine for all the rotor mentioned in the rotor specification	Accepted Must quote minimum 50 tubes and required adaptors for all the quoted rotors.
28.	Quoted model must have at least 12 installations in Delhi NCR, and the bidders should submit a installations report of the quoted model. Bidder should also provide a user list and at least 5 user satisfactory certificates from recognized research Institute/University in India where instrument quoted model has been extensively used for similar applications.	Quoted model must have at least 12 installations in India in past 7 years, and the bidders should submit a installations report of the quoted model. Bidder should also provide a user list and at least 5 user satisfactory certificates from recognized research Institute/University in India where instrument quoted model has been extensively used for similar applications.		Changed to Quoted model must have at least 12 installations in Delhi NCR in past 7 years, and the bidders should submit a installations report of the quoted model. Bidder should also provide a user list and at least 5 user satisfactory certificates from recognized research Institute/University in India where instrument quoted model has been extensively used for similar applications.

Dharmendra

Chandra

Neeraj