

TECHNICAL SPECIFICATION FOR REFRIGERATED CENTRIFUGE

S.NO	SPECIFICATION	COMPLIED/NOT COMPLIED	CATALOGUE PAGE NO
1.	Benchtop centrifuge weighing less than 90 kg		
2.	Easy push button-based rotor installation and removal (without any tools) and auto-lock feature . The same information should be available on supplier's website and original brochure.		
3.	Should be a refrigerated centrifuge with a temperature control ranging from -10° to +40°C. Should provide test report for the same		
4.	Rotors to be supplied Microtube Rotor <ul style="list-style-type: none"> - a) With at least 24 slots for 2 mL/1.5 mL tubes, - Speed should be at least 17,500 rpm or 30,000 x g - Should provide biocontainment lids - b) Should provide tube adapters for 0.2 mL PCR Tubes - c) 6 X 50ml rotor with RPM above 9000 & RCF above 12100g and adapters for 15ml tubes 		
5.	Swinging bucket Rotor <ul style="list-style-type: none"> - With slots for 8X 50mL conical tubes - Speed should be at least 4,500rpm/ 3,200 x g - Adapters should be provided for 15-mL tubes and 		
6.	Continuous run time of up to 99 hours		
7.	No. of Programs: 90 & above		
8.	Should have low noise performance; Sound should be less than 60 dBA		
9.	Drive system: Direct brushless induction		
10.	Should be made of Chemical-resistant, Stainless-steel centrifugation chamber		
11.	Should provide certifications from UL, CE and IVD quoting the exact centrifuge model number for the users safety		
12.	Power consumption: Less than 900 Watts		
13.	Should provide voltage stabilizer		

S.No	Additional Technical Requirements	COMPLIED/NOT COMPLIED	CATALOGUE PAGE NO
1	Delivery and installation should be free of cost		
2	Troubleshooting and training should be provided free of cost		
3	Warranty: Two years		
4	The vendor should be from Chennai to provide in-house service facilities within 48 hours of breakdown complaint.		
5	Original brochures with images of the quoted model and specification sheets should be enclosed in the technical bid of the offer and the same should be available publicly on the supplier's website.		
6	The bidder/OEM should have supplied at least 5 similar items to IITs, NITs, IISERs, CSIR Labs or other Govt. R&D organizations in the last 5 years, PO copies or installation certificates along with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims.		

(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the Above points with document proof as required. Failing which bidders will be technically disqualified)