

### Bid Document

Bid Details	
Bid End Date/Time	25-07-2020 17:00:00
Bid Opening Date/Time	25-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Tamil Nadu
Department Name	Higher Education Department Tamil Nadu
Organisation Name	Bharathiar University
Office Name	Tamil Nadu
Total Quantity	1
Item Category	Refrigerated Centrifuge For General And Research Purpose
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

### Refrigerated Centrifuge For General And Research Purpose ( 1 pieces )

### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standards	Conformity to standards	-	*
	Certificate date and number	-	*
Performance Parameters	Purpose	To Centrifuge different kinds of samples in different Testing Labs and research Labs at room Temperature	*
	Centrifuge design	Bench Top	*
	Weight including Rotor in kgs	70	*
	Maximum RPM with no load	20000	*
	"Number of steps of RPM Variation available in the settings (correspondingly RCF also varies) "	16000	*
	RPM setting accuracy	plus minus 5%	*
	<b>Type of Motor</b>	Brushless(without carbons)	Brushless(without carbons)
	Accessories	Spanner to tight or loose Nut of Rotor on Motor shaft head puller,spare rotor nuts ,fuse-2, Instruction Manual Book ,installation CD	*
	<b>Type of lid lock</b>	Electronic lid locking with automatic lid opening at end of run	Electronic lid locking with automatic lid opening at end of run
	Maximum Noise level when working at 1 meter distance in db	55	*
	Ambient operating Temperature range in Degree centigrade Celsius and humidity range	0 to 50 and Relative humidity 15 to 90%	*
	Rotor imbalance diagnostics and automatic stop if required	Yes	*
	<b>No of acceleration</b>	"Programmable from	"Programmable from

<b>and deceleration profiles in built for rotor speed while automatic braking</b>	50 to 200 Seconds in Interval of 5 Seconds"	50 to 200 Seconds in Interval of 5 Seconds"
Maximum timer set point	60 minutes	*
Parameters to be displayed by the digital display	RPM,RCF,Set time,Run time,Rotor running indication ,imbalancing if any	*
Display Type	LCD	*
Speed controller	Microprocessor controlled pre programmed speed controller which can control RPM as well as RCF	*
Speed Control tolerance in case of set speed (Plus minus RPM ) in percentage	2	*
Temperature controller	Micro processor based PID Digital temperature controller cum Indicator, (With LCD Display) to control the Temperature from +40° C up to -20°C	*
<b>Configuration of Rotor supplied with centrifuge machine</b>	Swing Out	Swing Out
Rotor Feature with reference to Autoclavability	Autoclavable Rotor @121 Degree Celsius	*
Type of Tubes which can be used with centrifuge machine	Polypropylene Centrifuge tubes and Glass centrifuge tubes	*
<b>Size of rotor supplied with centrifuge in ml</b>	"4x100 ml(for angle rotor) RPM 13000"	"4x100 ml(for angle rotor) RPM 13000"
Maximum RCF	28000	*
Power supply	220 Volts 50 Hz AC $\pm$ 10%	*
Power consumption in watts	5	*
Length of the Centrifuge in mm	730	*
Width of the Centrifuge in mm	640	*

	Height of of the Centrifuge in mm	330	*
	Length of Power cord in meters	3	*
	Refrigerant should be CFC free	Yes	*
	Temperature of refrigerator in degree Celsius	upto -20°C	*
	Cooling arrangement	Through suitable compressor, radiator, Cooling fan and its Cooling Kit	*
	Temperature control accuracy	± 2°C	*
	<b>Warranty period for equipment &amp; Rotor (on site and comprehensive warranty) in years</b>	1	1
	Maximum Noise level when working at 1 meter distance in db	55	*
Material Parameters	Assembly Material for manufacture of Centrifuge	Die cast Aluminum, Aluminum sheet, Stainless Steel, CRC Steel, Plastic and Rubber	*
	"Lid Material of Centrifuge "	CRC Steel finish with powder coating or stove painting or ABS Plastic of injection moulding	*
	Body material of Centrifuge	C.R.C Steel Finish with Powder Coating/ Stove Painting.	*
	Front Panel of centrifuge	CRC Steel finish with powder coating or stove painting or ABS Plastic of injection moulding	*
	Centrifuge Bowl material in Centrifuge	Double walled with PUF Insulation to avoid loss of Cooling. Inner Chamber made of 304 Quality Stainless Steel Moulded	*
	Material of Rotor	Aluminium	*
Additional Parameters	<b>Condensed Water Drainage System</b>	No	No

	<b>The Equipment shall be installed and demonstrated before Acceptance</b>	No(No installation and demonstration required and consignee can install)	No(No installation and demonstration required and consignee can install)
	<b>Servo Controller Voltage Stabilizer supplied with Item</b>	No	No
	<b>Servo stabilizer ratings in KVA</b>	Not supplied	Not supplied
	<b>Warranty of stabilizer in years</b>	NA(If no stabilizer provided)	NA(If no stabilizer provided)
	Auto cut off	Yes	*
	Timer provided	Yes	*
Reports	Certifications of Manufacturer	ISO 9001:2015	*
	ISO Certificate date and number	-	*
	Copies of all certifications and reports to be provided to buyer on demand at time of supplies	Yes	*

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

### Additional Specification Documents

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Jayalakshmi P	641046,The Registrar, Bharathiar University, Coimbatore 641046	1	30

### Bid Specific Additional Terms and Conditions

1. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
2. **Consortium:** In case of Contracts, wherein the seller alone does not have necessary expertise, the seller can form consortium with other sellers for submission of the bid, with one of the consortium company as leader. However, each and every member of the consortium shall be equally responsible for the complete execution of the project contract. An undertaking to this effect is to be uploaded with bid.
3. **End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

4. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
5. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
6. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
7. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**