

### Bid Document

Bid Details	
Bid End Date/Time	09-11-2020 09:00:00
Bid Opening Date/Time	09-11-2020 09:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Science Education And Research (iisers)
Office Name	Pune 411008
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
Document required from seller	Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	480000

#### 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](#)

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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	125	*
	Maximum RPM with no load	20000	*
	"Number of steps of RPM Variation available in the settings (correspondingly RCF also varies) "	12000	*
	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>	Both Manual and Electronic	Both Manual and Electronic
	Maximum Noise level when working at 1 meter distance in db	65	*
	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 and deceleration profiles in built for rotor speed while automatic braking</b>	Acceleration & Deceleration time to be less than 15 sec	Acceleration & Deceleration time to be less than 15 sec
	Maximum timer set point	max 99h, 59min, 59sec	*
	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	5	*	

	in case of set speed (Plus minus RPM ) in percentage		
	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>	Angle rotor	Angle rotor
	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>	"24x1.5ml(for angle rotor) RPM 16000","6x50 mL(for angle rotor) RPM 13000"	"24x1.5ml(for angle rotor) RPM 16000", "6x50 mL(for angle rotor) RPM 13000"
	Maximum RCF	32198	*
	Power supply	220 Volts 50 Hz AC $\pm$ 10%	*
	Power consumption in watts	1000	*
	Length of the Centrifuge in mm	675	*
	Width of the Centrifuge in mm	842	*
	Height of of the Centrifuge in mm	540	*
	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	$\pm$ 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	65	*
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>	Yes	Yes
	<b>The Equipment shall be installed and demonstrated before Acceptance</b>	Yes	Yes
	<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.

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	John Albert K	411008,Indian Institute of Science Education and Research, Pune (IISER) Dr.Homi Bhabha Road , Pashan, Pune Email: purchase@iiserpune.ac.in For Delivery Status: 020 2590 8169	1	15

## Special terms and conditions for category Refrigerated Centrifuge For General And Research Purpose

### 1.1. Comprehensive warranty:

Comprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares,. During the warranty period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months. warranty shall not be including the consumables .Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.

### 2. Service centres:

Details of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address ,telephone numbers, e mails etc at time of making the supplies .It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made within reasonable distance from where the service calls can be handled .Details of toll free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.

### 3. Source of supply:

It shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them .

**4. Packing and Marking:** Medical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take in to consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed .Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date , brief description of goods including quantity ,. Packing list reference number , country of origin of goods and any other relevant details.

### 5. Spare Parts:

Seller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM . It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies .In case due to any reasons the production of the spare parts is discontinued sufficient advance notice should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available.

OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied

### 6. Installation, Training, Manuals:

Seller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and Supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations , training and manuals the same shall also be applicable.

### 7. Electrical safety checking:

Sellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee. They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent. In case they do not have required equipment for such testing should ensure that the equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call.

### 8. Software:

All software updates should be provided free of cost during warranty period.

## **Bid Specific Additional Terms and Conditions**

1. 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.
2. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
3. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
4. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
5. ISO 9001: The bidder must have ISO 9001 certification.
6. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
7. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
8. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.  
Applicable Concessional rate of GST : 5%  
Notification No. and date : The rate of GST applicable to IISER Pune is 5% for the items procured for Research purpose as per Notification No. 45/2017-Central Tax (Rate) New Delhi, 14th November, 2017 and Notification No. 47/2017-Integrated Tax (Rate) New Delhi, 14th November, 2017 dated 14/11/2017
9. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 10 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
10. The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: The refrigerated centrifuge should be compatible with the below mentioned essential accessories. A Swinging bucket rotor which can accommodate 50 ml tubes with flat bottom should be compatible with the centrifuge size and specifications. This should be provided as an accessory. Suitable adaptors for accommodating 15 ml conical base centrifuge tubes should be provided along with the 50 ml rotor."

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

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

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