

## NOTICE INVITING TENDER

Ref: (DST/Disha/SoRF-PM/038/2013\_2) dated: 22.1.2016

Closing date: 22.02. 2016

Sealed quotations are invited only by Registered Post/Courier/Speed Post for the following item so as to reach to Prof. S.P.Sinha Babu (Dept. of Zoology) within 21 days of publication of this advertisement. Postal delays will not be entertained. Only one quotation from each bidder is invited. An application fee of Rs. 500.00 must accompany the bid. All payments are to be prepared in the form of Demand Draft in favor of 'Accounts Officer, Visva-Bharati' payable at SBI, Santiniketan.

Description/Specification	Qty
<b>Research Centrifuge</b>	<b>1</b>

(2) (i) Supplier must have previous experience of supplying of items quoted. Documentary proof to be attached. (ii) Authorization certificate in respect of the item quoted must be attached if the firm is not an OEM.

(3) Apart from other applications in respect of the quality, standard, terms etc., the offer should specially clarify the points noted below in order:

(i) Validity of the offer: The bidder shall have no right to revise the quote within the period of validity on the plea of fluctuations in the market rate. Normally the validity of the offer should be for a specified period of 90 days. (ii) Time of Delivery: State the period during which the supplies will be effected by you in full. (iii) Place of Delivery: Mention clearly the place of destination, and mode of transit by which the supplies will be effected without any extra charges. The University will prefer F.O.R. Santiniketan prices in case of outstation suppliers and delivery at our site in case of local suppliers. (iv) Central Sales Tax: State the present rates leviable. In case the same is not applicable, mention "Not Applicable" and if the prices are inclusive of this sales tax please write "Included in the Prices". **The ST/VAT/IT Pan No. or Registration Number (as the case may be) should invariably be quoted in the offer, a photocopy of the latest clearance certificate of the above be enclosed with the offer, failing which the offer will not be considered.** (v) Provisional Sales Tax: As detailed under (iv) above. (vi) Excise Duty: As detailed under (iv) above (vii) Insurance: If the rates are inclusive of insurance please write "Included in the prices" otherwise state "Not included". In case local supplier where insurance is not necessary, they may mention "Does not arise". (viii) Packing and Forwarding Charges: If these charges are accounted for in the prices quoted by you, please mention "Included in the prices", otherwise please give an approximate charge thereof. It may be noted that the university will pay only the actual expenses on this accounts. (ix) Other incidental charges: Other charges which are not fully accounted for by the points given above, may be mentioned. (x) Dealership/manufacturing Certificate: Appropriate certificate must be provided. (xi) Warranty not less than 24 month from the date of successful installation. (xii) The tender document must be signed and stamped by authorized bidder.

(5) University reserves the right to accept /cancel any of the tender or part thereof without assigning any reason. (6) Suppliers having Rate Contract with Central or Provincial Government should quote along with a certified copy of the current Government Rate Contract. (7) The offers must be accompanied by the related catalogues, leaflets and brochures wherever possible. (8) All quotations should be net, after showing discounts etc. (9) If the terms of the quotations etc. are vague, incomplete, contradictory and confusing the offer will be rejected without any explanation. (10) Once the offer is accepted by the HOD/PI/Coordinator/Indenter and the order is placed on the basis, the supplier will have to deliver the goods accordingly within the stipulated time, or meeting the compensation for loss if any on account of non execution of the supply order. (11) Liquidated Damage: Visva-Bharati deserves the right to impose liquidated damage as and when required; the rate of penalty will be at par with the same of the Govt. of India's instruction. (12) Bank Commission where applicable will have to be borne by the supplier. (13) All disputes subject to "Bolpur, Birbhum, W.B. Jurisdiction" only.

# ANNEXURE 1

## Specification for Research Centrifuge

Rotor Heads Listing For R-23 & PR-23							
Models	Capacity	Type of Rotor	Type of Container	R-23		PR-23	
				Speed (RPM)	RCF 'g'	Speed (RPM)	RCF 'g'
R-230 + R-231	4 X 200 ml	SWING OUT	GLASS	4800	4000	5500	5240
R-230B + R-233B	108 X 5ml (RIA)	SWING OUT	RIA PLASTIC TUBES	5000	3830	5100	3980
R-234	4 X 250ml	SWING OUT	PLASTIC	X	X	5500	5070
R-235	8 X Microtiter	SWING OUT	96 WELL	X	X	3200	1370
R-230A	2 X Microtiter	SWING OUT	96 WELL	3100	1470	3100	1470
R-236	6 X 200ml	ANGULAR	PLASTIC	6900	7350	7000	7560
R-237	8 X 100ml	ANGULAR	PLASTIC	6900	6700	7000	6900
R-238	12 X 50ml	ANGULAR	PLASTIC	6900	6810	7000	7010
R-239	36 X 15ml	ANGULAR	PLASTIC	6900	6970	7000	7180
<b>Angle Heads suitable for Falcon tubes</b>							
R-238F	10 X 15ml	ANGULAR	FALCON	6900	6810	7000	7010
R-239F	20 X 15ml	ANGULAR	FALCON	6900	6970	7000	7180

Rotor Heads Listing For R-24 & PR-24							
Models	Capacity	Type of Rotor	Type of Container	R-24		PR-24	
				Speed (RPM)	RCF 'g'	Speed (RPM)	RCF 'g'
R-246A	4 X 20 ml	SWING OUT	GLASS	9300	8700	11000	12180
R-241	4 X 100 ml	ANGULAR	PLASTIC	11000	14050	14500	23980
R-242	6 X 50 ml	ANGULAR	PLASTIC	12100	14240	16000	25180
R-243	8 X 25 ml	ANGULAR	PLASTIC	12500	14500	14500	20220
R-244	12 X 15 ml	ANGULAR	PLASTIC	12300	14710	16000	24600
R-243A	6 X 25 ml	ANGULAR	PLASTIC	14100	17120	18000	28980
R-244A	8 X 15 ml	ANGULAR	PLASTIC	15400	20150	18000	27530
R-247	8 X 50 ml	ANGULAR	PLASTIC	10800	13430	14500	24680
R-248	24 X 1.5 ml	ANGULAR	PLASTIC	17300	27440	20000	37570

Reduction Adaptors For Swing Out Head (R-230 + R-231)			
Suitable for Glass Tubes (with tubes)			
Models	Tube Capacity	No. of Tubes Per Adaptor	Total No. of Tubes
RA-2311	100ml	1	4
RA-2312	50ml	1	4
RA-2313	30ml	3	12
RA-2314	15ml	7	28
Suitable for Vacutainer Tubes (without tubes)			
RA-2315	Up to 4ml (100mm long)	6	24
RA-2316	Up to 10ml (100mm long)	5	20
RA-2317	Up to 5ml (75mm long)	6	24



Specifications subject to change without notice

### Microprocessor Research Centrifuges

Compufuges model **PR-23 & PR-24** are Microprocessor controlled centrifuges used in auxiliary laboratories in industry, Educational & Research institutions, Bio Technology, Medical Laboratories, Hospitals, Blood Banks, Pharmaceutical laboratories and agriculture soil testing for determination of moisture equivalent of soil. It is also suitable for determination of settlement of paints, pastes, cosmetics and food products. Centrifuge rotors & carriers are also suitable for use with Variety of Falcon & Vacutainer tubes .

**PR-23 & PR-24** have soft touch keypads for fast and accurate setting of run parameters. Basic runs are easy with setting of speed, time, temperature, brake, acceleration and deceleration. Press 'start' key and Compufuge does the rest for you.

Brushless induction motor with frequency drive & unique automatic rotor identification ensures accurate speed setting for individual rotors. Over current overheating safety cutoff circuit is provided for motor protection. Safety lid interlock on the centrifuge ensures that the rotor does not run with cover open while the cover cannot be opened unless rotor comes to complete halt.

#### Salient Features:

- User friendly microprocessor control with Interactive LCD display
- Menu driven ten programme memory
- Choice of High brake, low brake and coasting
- Imbalance detector with cutoff
- Safety lid interlock to prevent cover opening during centrifugation
- Automatic unique safety rotor identification system
- Speed holding accuracy 100 RPM
- Self-diagnosis for errors



### Revolutionary Research Centrifuges

**R-23 & R 24** centrifuges are widely used in auxiliary laboratories in industry, Educational & Research institutions, Bio Technology, Medical Laboratories, Hospitals, Blood Banks, Pharmaceutical laboratories and agriculture soil testing for determination of moisture equivalent of soil. It is also suitable for determination of settlement of paints, pastes, cosmetics and food products. Centrifuge rotors & carriers are also suitable for use with Variety of Falcon & Vacutainer Tubes.

#### Salient Features:

- Stepless speed regulator with zero start interlock
- Digital speed indicator
- Dynamic brake
- 0-99 minutes digital count down timer
- Imbalance detector with cutoff
- Safety lid interlock to prevent cover opening during centrifugation

Technical Data					
Models		R-23	R-24	PR-23	PR-24
Max. Speed	rpm	6900	17300	7000	20000
Max. RCF	'g'	7350	27440	7560	37570
Max. Tube size	ml	200	100	250	100
Max. Capacity	ml	1200	400	1200	400
W x D x H	mm	400 x 500 x 455		400 x 500 x 440	

Supply: 220-240 Volts 50 Hz Single Phase.

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