



Fakir Mohan University

Vyasavihar, Nuapadhi, Balasore, Odisha-756089

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No. FMU/R&D/201/2021-22/ 1320

Date: 22/02/2022

Indicative Notice Inviting Tender

Sealed quotations are invited from interested Dealers, Suppliers and Manufacturers having valid GSTIN certificate, PAN card and authorized dealer certificate for supply of **Lab equipments/ instruments and Lab Consumables** to Fakir Mohan University, Balasore for Science and Technology Department, Govt. of Odisha funded Project. The quotations completed in all respect should reach to the **Principal Investigator (PI)**, S&T Dept., Govt. of Odisha funded Project, P.G. Dept. of Chemistry, F.M. University, Vyasa Vihar, Nuapadhi, Balasore-756089 by Regd. / Speed Post on or before **Dt. 09.03.2022 by 4.00 PM**. The tender papers will be opened on **Dt. 10.03.2022 at 12.30 P. M.** in the office the Registrar. The tender papers along with the details of make and model, specifications, terms and conditions are available in the University website www.fmuniversity.nic.in. The authority reserves the right to cancel any/all the quotation(s) without assigning any reasons thereof.

Pankaj Kumar Padhi
Principal Investigator (PI)

Memo No. 1321

Date: 22/02/2022

GENERAL TERMS AND CONDITIONS

1. Submission of quotation/ tender/ bid in Two Bid System

The Bid/ Tender/ Quotation shall be submitted in two-bid system, i.e., Technical Bid & Financial Bid. Technical and Financial bid of the quotation should be separately sealed in two envelopes and it must be clearly mentioned on the top of the envelopes as Cover-A (Technical Bid) and Cover-B (Financial Bid). Both the sealed envelopes (A & B) should then be put in one outer cover indicating thereon. However, quotation for consumable shall be submitted in a single Bid.

- i) Reference No. of Tender (in Capital letter on the top of the envelope):
- ii) Tender regarding (in Capital letter on the top of the envelope as **Lab equipment and Consumables**).
- iii) Due date for submission of Tender:
- iv) Name and Address of the firm:

The technical bids are to be opened by the Purchase Committee for evaluation. In the second stage the financial bids of only the technically acceptable offers be opened for further evaluation, scrutiny and ranking for awarding the Supply Order.

1.1. Technical Bid Should Contain the Following Documents:

- a) **The detailed specifications of the equipment along with make and model with respect to the specification specified by the University should be submitted as per the format enclosed in Annexure-I .**
- b) Technical Literature in support of the Lab equipment
- c) Copy of Valid GSTIN Registration Certificate.
- d) Copy of PAN.
- e) Copy of Audited Balance Sheet for last 03 years.
- f) The authorisation certificate of OEM/ authorised Manufacturer/ Distributor/ Dealership Certificate for respective Equipment/Furniture/Chemical or other consumable items
- g) EMD @ 2% (only for lab equipment) of quoted amount in the shape of Bank Draft drawn in favour of **F. M. University Development Fund-II** payable at Balasore with three-months validity.
- h) Non-refundable tender fee.

1.2. Financial Bid Should Contain the Following Documents:

- a) Break up price as per format (**Annexure-II**)
- b) Total Price must include all admissible taxes including transportation charges, delivery and installation charges at the Centre of Excellence building of the University trial operation, comprehensive training and clearance charges. **The University will make necessary payment in Indian currency only.**
- c) No conditional price will be taken into consideration. No escalation of the price in later stage is acceptable.
- d) Warranty period details should be clearly mentioned.
- e) For consumables such as chemicals, glassware and plastic ware, the price should be given as per the format given in **Annexure III, IV and V, respectively. The bidder must submit the latest and valid price list of the respective make or manufacturer along with the quotation.**
- f) The miscellaneous lab consumable items, as enlisted in Annexure VI, should be quoted (with warranty where ever applicable) following the proforma as given in **Annexure VI.**

2. Goods Eligibility:

ISI, CE, ISO, US FDA/ IEC 60601 or equivalent certificate

3. Other Terms and Conditions:

- i) The cost of the tender is **Rs. 500/- (Non-refundable)**.
- ii) Submission of quotations without tender cost, EMD along with the Technical Bid and received after due date and time will be summarily rejected.
- iii) The quotations completed in all respect should reach to **The Principal Investigator, Science and Technology Department, Govt. of Odisha funded Project, P.G. Department of Chemistry, F.M. University, Vyasa Vihar, Nuapadhi, Balasore-756089 by Speed/Regd. Post only on or before Dt.09.03.2022 by 4.00 PM**. The quotations received after due date or incomplete in any respect shall summarily be rejected. The tender papers will be opened on **Dt.10.03.2022 at 11:30 AM** in the Office Chamber of the Registrar, F.M University, Vyasa Vihar, Nuapadhi, Balasore-756089. The quotationers or their authorized representatives may remain present during the opening of the tender papers.
- iv) The supplier must be either manufacturer of the equipment or the authorized agent/ dealer of the manufacturer.
- v) The price should be quoted in the Indian currency only.
- vi) **The bid should remain valid for a period of 180 days from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation.**
- vii) The successful bidders should supply the equipment within a period of 4-6 weeks from the issuing date of purchase order by the competent authority of Fakir Mohan University and shall be delivered to the Person concerned at the Centre of Excellence building of the University that will be mentioned in the supply order.
- viii) The EMD of the successful bidders will be refunded after the supply and installation of the equipment, on completion of warranty period.
- ix) The EMD of the unsuccessful bidders will be returned as such to the concerned quotationers immediately after finalization of the tenders by Regd. Post.
- x) Documents such as operation manual and other technical specifications of the equipment should be supplied by the successful bidders along with the equipment.
- xi) A warranty certificate for the period of minimum three years or as specified in annexure III from the date of installation should be provided. Thus the basic price of all instruments should be quoted along with the warranty period covered.
- xii) Inspection certificates of the equipment inspected by the qualified engineer of the manufacturer.
- xiii) During the warranty period or later whenever the firm is called upon to attend for the rectification of the defects/ faults in the consignments, the firm shall attend to the repair of instrument within 48-96 hours. They should render timely back up service whenever called upon. A certificate to that effect should be attached along with the invoice or delivery challan
- xiv) The invoices should be submitted in triplicate in the name of “ **The Principal Investigator, Science and Technology Department, Govt. of Odisha funded Project, P.G. Department of Chemistry, F.M. University, Vyasa Vihar, Nuapadhi, Balasore-**

- 756089" for pass and payment. The payments will be made only after successful installation/ Training/ Demonstration of instruments in the concerned departments supported with a certificate by the concerned HOD/Co-Ordinator of the department.
- xv) The University authority reserves the right to refuse payment in the event of unsuccessful installation and the non-submission of the installation certificates.
 - xvi) The authority of the F. M. University, Balasore reserves the right to accept/ reject any part or all quotations; and also increase or decrease the number of individual items to be procured; or cancel the entire procurement process without assigning any reason thereof.
 - xvii) Once the rate is approved by the Purchase Committee and supply order is placed to the successful bidder and in the event of failure on the part of the bidder for supply of the equipment on any account, the authority reserves the right to forfeit the EMD.
 - xviii) The rates/ price should be quoted in Indian currency only and payment shall be made in Indian Currency. The price shall be inclusive of all taxes (Rate & Taxes should be mentioned separately), Transportation cost and Cost of Installation and Commissioning, trial operation, comprehensive training and clearance charges.
 - xix) Dispute, if any, with regard to the tender/ quotation shall be settled within the jurisdiction of Balasore Court, Odisha only.

Pankaj Kumar Pathy
Principal Investigator (PI)

List of Laboratory Equipment/Instrument

1. Technical Specifications of the equipments

Sl. No.	Name of Laboratory Equipment	Specification	Quantity	Tentative estimated cost including GST
01	Horizontal Shaker (Orbital)	<p>A timer based for either continuous run or for a timed run from 0 to 60 minutes. Suitable for use in incubator from 10 to 60°C and a humidity of max. 70 % (non-condensing)</p> <p><u>TECHNICAL DATA</u></p> <ul style="list-style-type: none">➤ Overall dimension (w x d x h): 510 x 510 x 112 mm.➤ Platform dimension (w x d) : 450 x 450 mm.➤ Load : max. 15 kg➤ Shaking motion : orbital➤ Shaking amplitude : 30 mm.➤ Shaking frequency : 20 to 250/minute or better frequency➤ Electrical requirement : 230V,50 Hz➤ Shaking Motion: Orbital <p>Features:</p> <ul style="list-style-type: none">➤ Shaking Tray made of stainless steel with holes to accept different size of flasks & Separating funnels.➤ <u>CAPACITY OF THE TRAY FOR HOLDING FLASKS</u> 100 ml. flasks of 36 nos. 200 ml. flasks of 22 nos. 300 ml. flasks of 16 nos.➤ <u>CAPACITY OF THE TRAY FOR HOLDING SEPARATING FUNNELS</u> 100 ml. flasks of 11 nos. 250 ml. flasks of 8 nos.	01	
02	Oil Bath Reactor	<p>Temp. Controller: Digital Temperature Controller Temperature Range: Above Ambient to 250°C or better high temperature range Sensor: PT 100 Sensor Speed: 2000rpm Control: Variable DC Control Drain Value: To Drain the oil Oil bath Capacity: 500ml Oil Bath</p>	01	

		<p>Dimension: 140x60mm Cabinet Dimension: WxDxH (180x300x160)mm Cabinet: Aluminium Powder Coated</p> <p>Safety: Safety alarm Input Voltage: 220v ac @50 hertz</p> <p>Features:</p> <ul style="list-style-type: none">✓ Compact & Light weight✓ Precise and accurate control up to 250°C better high temperature range✓ PID Digital Temperature Controller easy to use✓ Easy to use with built in temperature controller, Oil bath & Magnetic Stirrer✓ Drain Valve provided to drain the oil✓ Detachable sensor probe to sense the sample temperature with precise accuracy✓ Separate control for heating & stirring✓ Independent control for the heater to switch off keeping the temperature control On, to monitor the temperature when doing cold reaction✓ Flask Holder SS rod is either side of the equipment for fixing various flask & various glassware✓ Thermostatic upper cut off for heater		
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Annexure III

1. List of Chemicals (MERCK/SRL/HIMEDIA)

Sl. No	Chemicals/Reagents	Pack Size	Make / Cat. No	Quantity Required	Actual Price	Quoted Price after Discount	Quoted Price including tax	Remark
1.	Samarium(III) oxide(Sm_2O_3)	100 gm		01				
2.	Neodymium oxide(Nd_2O_3)	100 gm		01				
3.	Potassium thiocyanate	500 gm		01				
4.	Arsenazo(III) oxide	5 gm		01				
5.	Oxalic acid	500 gm		01				
6.	Sodium oxalate	500 gm		01				
7.	Kerosene	1 litre		01				
8.	Aliquat 336(<i>N</i> -Methyl- <i>N,N,N</i> -trioctylammonium chloride)	1 litre		01				
9.	Nitric acid	2.5 litre		01				
10.	HCl	2.5 litre		01				
11.	Acetic acid	1 litre		01				
12.	Citric acid	1 litre		01				
13.	H_2SO_4	2.5 litre		01				
14.	NaOH	1 kg		01				
15.	Ascorbic acid	500gm		01				

2. List of Glassware

Sl. no	Glassware items	Make	Capacity/Size	Quantity	Actual Price	Quoted Price after Discount	Quoted Price including tax	Remark
1.	Beaker 50 ml(Cat no. 1000D12)	Borosil	50 ml	01				
2.	Beaker 100 ml(Cat no. 1000D16)	Borosil	100 ml	01				
3.	Beaker 250 ml(Cat no. 1000D21)	Borosil	250 ml	01				
4.	Beaker 500ml(Cat no. 1000D24)	Borosil	500 ml	01				
5.	Beaker 1000 ml (Cat no. 1000D29)	Borosil	1000 ml	01				
6.	Reagent Bottle 500 ml(Cat no. 1501024)	Borosil	500 ml	01				
7.	Reagent Bottle Amber 250 ml(Cat no. 1519021)	Borosil	250 ml	01				
8.	Measuring Cylinder 10 ml(Cat no. 3021006)	Borosil	10 ml	01				
9.	Measuring Cylinder 50 ml(Cat no. 3021012)	Borosil	50 ml	01				
10.	Measuring Cylinder 500 ml(Cat no. 3021024)	Borosil	500 ml	01				
11.	Conical Flask 100ml(Cat no. 4980016)	Borosil	100 ml	01				
12.	Conical Flask 250 ml (Cat no. 4980021)	Borosil	250 ml	01				
13.	Conical Flask with Screw cap 150 ml (Cat no. 5021018)	Borosil	150 ml	01				
14.	Conical Flask with Screw cap 250 ml(Cat no. 5021021)	Borosil	250 ml	01				
15.	Volumetric Flask 100 ml(Cat no. 5640016)	Borosil	100 ml	01				
16.	Volumetric Flask 250 ml(Cat no. 5640021)	Borosil	250 ml	01				
17.	Volumetric Flask 1000 ml(Cat no. 5640029)	Borosil	1000 ml	01				

18.	Glass funnel 250 ml	Borosil	250 ml	01				
19.	Glass funnel 100 ml	Borosil	100 ml	01				
20.	Burette 50 ml(Cat no. 2122012)	Borosil	50 ml	01				
21.	Graduated pipette 10 ml(Cat no. 7059P06)	Borosil	10 ml	01				
22.	Graduated pipette 25 ml(Cat no. 7059P09)	Borosil	25 ml	01				
23.	Pipette 25 ml(Cat no. 710009)	Borosil	25 ml	01				
24.	Round bottom flask 500 ml(Cat no. 4260024)	Borosil	500 ml	01				
25.	Separating funnel 125 ml(Cat no. 6403017)	Borosil	125 ml	01				
26.	Separating funnel 50/60 ml	Borosil	50/60 ml	01				

Annexure V

3.LIST OF PLASTIC WARE

Sl. no	Plastic ware item	Make	Capacity/Size	Quantity	Actual Price	Quoted Price after Discount	Quoted Price including tax	Remark
1.	Micropipette, 10 ml, Variable Volume(1000-10000µl)	Tarson	10 ml	01				
2.	Micropipette, 10 ml, Variable Volume(500-5000µl)	Tarson	10ml	01				
3.	Beakers (PP)	Tarsons	250 ml	01				
4.	Wash bottle (LDPE)	Tarsons	250 ml	01				
5.	Test tube stand	Tarsons	Tube dia 32 mm, 12 places	01				
6.	Ice bucket	Tarsons	Medium	01				
7.	Distilled water storage tank with tap	Tarsons	20L	01				
8.	Wash Bottle	Tarsons	500ml	01				

Annexure VI

4. List of Miscellaneous Lab Consumables

Sl. No.	Item	Quantity	Actual Price	Quoted Price after Discount	Quoted Price including tax	Remark
1.	Tissue paper	Pack of 100				
2.	Rough filter paper	Pack of 100				
3.	Whatman-filter paper No 42	Pack of 100				
4.	Adsorbent Cotton	1 rolls				
5.	Stainless steel Spatula	Pack of 10				
6.	Porcelain Mortar and Pestle	1 pc				
7.	Water proof marker (Different color)	Pack of 10				
8.	Utility Tray	1 pc				
9.	Non Absorbent cotton	500 gm				
10.	Organic Phase Separator (Whatman [®] 1PS), filters (high-grade filter paper impregnated with a stabilized silicone)	Pack of 100				