



# MUGBERIA GANGADHAR MAHAVIDYALAYA

[NAAC: B+ (3rd Cycle); College with Potential for Excellence (UGC);  
Star College, DBT (Gol)]

(Affiliated to Vidyasagar University)

Vil+PO-Bhupatinagar, Dist.- Purba Medinipur  
West Bengal, Pin-721425, Phone: 03220-270236  
e-mail: mugberia\_college@rediffmail.com

Ref: MGM/NUT Quotations/76/2022-23  
From: The Principal/Secretary  
Mugberia Gangadhar Mahavidyalaya

Dated: 15.07.2022

Dear Supplier,

Quotations are invited for the purchase of following instruments for Dept of Nutrition,  
Mugberia G. Mahavidyalaya within 30.07.2022 in both soft and hard copy.

For sending hard copy

To the following address with mentioning "**Quotation for purchase instruments for  
Dept. of Nutrition**" on the envelop.

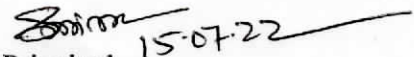
"The Principal, Mugberia Gangadhar Mahavidyalay, Vil+PO- Bhupatinagar, Dist-Purba  
Medinipur, West Bengal, Pin-721425"

For sending soft copy

Mail in both e-mail id [apurbandri@gmail.com](mailto:apurbandri@gmail.com), [mugberia\\_college@rediffmail.com](mailto:mugberia_college@rediffmail.com)  
with mentioning subject of the mail as "Quotation for purchase instruments for Dept. of  
Nutrition"

Thanking you,

Yours faithfully,

  
Principal 15-07-22

Mugberia G. Mahavidyalaya

*Principal*  
Mugberia Gangadhar Mahavidyalaya



\* Suppliers have to set each and every apparatus at our laboratory after delivery. \* GST charges should be clearly mentioned in the quotations

Sl. No.	Name of the instrument	Specification	Qty required
1	Weighing balance (300g)	Max capacity - 300g Min -200mg E value - 10 mg+2 Include battery With Windseal box	1
2	Weighing balance (20kg)	Max 8/20kg Minimum 20g E value 1/2g Battery inbuilt	1
3	Muffle Furnace	Muffle Furnace, Used for ignition, fusion, ash determination, Maximum temperature 1000°C, Working Temperature 950°C, Temperature is controlled by Digital Temperature controller with an accuracy of ±1% in conjunction with heavy duty relay CR/AL Thermocouple. Heat treated refractory Muffle body/ With insulation by bricks shell. Outer body of Mild Steel Sheet Painted with Heat/Rust Proof Spray paint and refractory Muffle Pot to withstand high temperature The heating Elements are fitted equally in the muffle body to ensure quick and uniform temperature rising up to desired point Mounted On angle iron construction with a hinged type swing out air tight door and lined with insulating bricks, helps the operator to open or to close without any effort. A peephole with a sliding cover will be fitted at the center for observation. To work on 220/230 Volts Single Phase AC Mains <b>Technical Specification:</b> <b>Maximum temperature</b> 1000°C <b>Working Temperature</b> 950°C <b>Temperature controller</b> : SELEC Make Digital Temperature controller-cum-Indicator an accuracy of ±1% in conjunction with heavy-duty relay and CR/AL Thermocouple with Amp meter & Volt Meter. <b>Heating Element</b> <b>Muffle Size</b> Al Kanthal wire <b>Power Required:</b> 6" x 6" x 12" Load 4Kw to work on 220 Volts Single Phase AC Mains	1
4	Laboratory Cream Separator	<ul style="list-style-type: none"> <li>• Machine Capacity: 60 – 80 ltr/hr</li> <li>• Tank Cap. : 5 Ltr.</li> <li>• No of S.S. Discs: 15-17</li> <li>• Motor: 1425 RPM Single Phase Electric Motor 0.08 HP</li> <li>• Separation Temperature: 35 - 40 C / 95-108 F</li> <li>• Solid Removal Time: 1.5 Hour</li> <li>• Bowl Material: S.S. 304</li> <li>• Tank &amp; Spout Material: Unbreakable Food Grade Plastic</li> </ul>	1
5	Penetrometer	To measure penetration value of food sample PRESET DIGITAL PRESET TIMER Timer: TO CONTROL DURATION OF PENETRATION Display Type: analogue/ Timer digital Scale Value: DIAL IS GRADUATED IN 400 1/10 AND THE MILLIMETER SUBDIVISIONS	1



Sl. No.	Name of the instrument	Specification	Qty required
6	pH meter	<p>pH Range : -1.00 to 15.00 pH  pH Resolution : 0.01 pH  pH Relative Accuracy : <math>\pm 0.02</math> pH  mV / Accuracy : <math>\pm 2000.0</math> mV / 0.2mV OR <math>\pm 0.05\%</math> of reading whichever is greater  Temperature Range : 0 to 130.0°C  Relative Accuracy : <math>\pm 0.1</math>°C  Temperature Compensation : Auto / Manual  Temperature Calibration : In-built software and can be calibrated by users  Slope : 80-120 %  Total Numbers of Slope : 1 slope for Two-point calibration &amp; 2 slope for Three-point calibration.  Auto Buffer Recognition :  7.00, 4.01/9.18 pH @25°C for Two points.  4.01, 7.00, 9.18 / 10.01 pH @25°C for Three points.  Display Reading : Simultaneous - pH, mV &amp; Temperature.  Buffer Standard : US / NIST &amp; EURO  Error Messages : "Bad Buffer / Electrode", "Temperature Probe Error", "In-complete Calibration" &amp; "pH Over Range".  Short Link : Provided to diagnose the problem either with Instrument OR Electrode  Display : 16 x 2 Line Alphanumeric Backlit LCD  Keypad : Membrane waterproof polycarbonate soft keypad compliance to UL/ROHS  Power Supply : DC Adaptor</p>	1
7	Deep Freezer	<p>Capacity 344 ltrs. Dimensions (WxDxH) 23"x23"x73",  Temperature Range (in °C) -17°C to - 24°C, Wheels Yes (Rear),  Lock -Yes, Defrost -Manual, Rated Load 140 watts, Type of Door - Solid, No. of Lid/Door 1 (one), Refrigerant R134a, Visual &amp; Acoustic Alarm -Yes, No of Shelves/drawers/baskets 08 Removable for space management</p>	1

