


## SHORT QUOTATION CALL NOTICE

Items to be purchased through Local Purchase Committee, College of Agriculture, OUAT,  
Bhubaneswar.

Sl.No.	Nos.	Item	Technical specification
1	1	TOP LOADING BALANCE	<p>Vibration-resistant design for high performance on temporary work surfaces and in the field.</p> <p>Handily shaped, with a space-saving footprint that fits on the smallest and is DC or battery operated, making the balance ideal for work whenever power supply is hard to find.</p> <p>Backlit LCD display: Large, illuminated digits for legibility under any light conditions. An easily understood user interface also gives access to 10 built-in applications for multi-purpose flexibility.</p> <p><b>Accurate Results</b> Cal Ext – Adjustment at a keystroke with an external weight</p> <p>Backlit LCD Display</p> <p>Battery Operation</p> <p>Stackable Cover for quick and easy storage</p> <p>Weighing results in different units</p> <p>Hook for weighing below balance</p> <p>Cal Ext – Adjustment at a keystroke with an external weight</p> <p>Overload protection</p> <p>Readability: 0.01 g</p> <p>Maximum Load: 620 g</p> <p>Adjustment Cal: Ext</p> <p>Repeatability: 0.01 g</p> <p>Linearity: 0.02 g</p> <p>Weighing Pan Size (mm) Ø: 160</p>
2	2	AUTOCLAVE-VERTICAL	<p>Double walled body has single chamber of steam and water</p> <p>Inner body made of heavy gauge <b>stainless steel LM 304</b> quality with argon welded</p> <p><b>Outer body is made mild steel with powder coated.</b></p> <p>Lid made of thick stainless steel.</p> <p>Radial locking system to close the lid</p> <p>Pressure up to 22 psi set at 15 psi.</p> <p>Should be supplied with pressure gauge, safety valve, steam release valve, extra safety valve &amp; <b>Perforated basket stainless steel.</b></p> <p>Inner Chamber Size: Height: 550mm x Dia. 350mm,</p> <p>Load: 2-3 kw.</p> <p>Power supply: 230 V / 50 Hz., single phase.</p>
3	2	HOT AIR OVEN	<ul style="list-style-type: none"><li>• Double walled construction.</li><li>• Inner chamber: Made of stainless steel.</li><li>• Outer chamber: mild steel with powder coating.</li><li>• Gap between the walls fitted with glass wool Insulation to avoid heat loses WITH enamel paint.</li><li>• Heating elements are made of high grade chrome Plated nichrome wire.</li><li>• Tray should be supplied with G.I ware mesh</li><li>• Temp. Controlled by digital temp. Controller cum indicator with an accuracy <math>\pm 1^{\circ}\text{c}</math>.</li><li>• All the control switch and pilot lamp are fitted with front panel.</li><li>• Digital Temp. display.</li><li>• AIR circulation fan for uniform temp. Inside the chamber.</li></ul> <p>Temperature range: 5°C above ambient to 250°C</p> <p>Accuracy: <math>\pm 2^{\circ}\text{C}</math>(With digital Accuracy <math>\pm 1^{\circ}\text{C}</math>)</p> <p>SIZE (W X D X H) : 60cmX60cmX60cm</p> <p>No. of shelves : 3</p> <p>Operates on 230 Volts AC Single phase 50 Hz.</p>

  
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4	1	WATER BATH	Temperature range from ambient temp. to 80° C. Digital Temp. indicator-cum controller. Double walled, Inside stainless steel Outside mild steel painted in epoxy powder coating. Bath consists of two pilot lamps. Temperature control knob and on/off switch. To work on 220/230 volts A.C. Lid of water bath is made of stainless steel sheet Size inside chamber : 375 x 300 x175 mm suitable for 4 racks Capacity: 18 Ltrs
5	1	VACUUM FILTRATION DEVICE	Filter furnace – PSF/PC with cover, cap: 300 ml Vacuum stainless steel flask 1L-Borosil, clamp with silicon tubes. Filter size: 47 mm

**Terms and Conditions:**

1. The Suppliers/Agency firm must provide the printed literature indicating photographs and detailed technical specifications, manual and their functions.
2. It's necessary that specific brand, make, model etc shall be clearly mentioned in the quotation.
3. The quoted item is new and has not been tampered.
4. The manufacturer shall provide three years on site guarantee/warranty, after sales, service during warranty/comprehensive annual maintenance contract period, if they authorize.
5. Price should be quoted in Indian currency including on site delivery price.
6. Certificate of PAN and GST showing the registered number, latest GST return and photograph of supplier should be provided.
7. Quotation should be send **To Professor & Head, Department of Soil Science & Agricultural Chemistry & Chairman, Local Purchase Committee, College of Agriculture, OUAT, Bhubaneswar-751003** in 5 days of publication of the notice by speed post/courier post.

c.c: Notice Board,  
College of Agriculture,  
Bhubaneswar

  
(R.K.Patra) 18/03/2020

Professor & Head ,  
Department of Soil Science &  
Agricultural Chemistry & Chairman,  
Local Purchase Committee, C.A,  
OUAT, Bhubaneswar



**ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY**  
**BHUBANESWAR – 751 003**

**SHORT QUOTATION CALL NOTICE**

**List of equipments to be purchased through Local Purchase Committee, College of Agriculture, OUAT, Bhubaneswar**

Sl.No	Name of the equipment	Specification
1	Flame photometer	Alluminium body having size of 290x255x210mm (LxWxH), Automatic with Graphical LCD (128x64) display Resolution: 0.1 ppm/meq Filters: Na & K (Ca, Li & Ba are optional) Reproducibility: <1% coefficient of variation for 20 consecutive samples Calibration: with up to 25 standards of User Choice with Curve Fitting Software (5 for each Element) Gas Cutoff: Automatic; Ignition System: Auto Ignition; Automiser: Axial flow type <b>Compressor Unit</b> Air supply: By oil free mini compressor unit with pressure regulator Combustion Gas; LPG controlled by precision regulator Power: 230V ± 10% AC, 50 Hz
2	Centrifuge	Make: REMI Maximum speed: 10,000 rpm Maximum capacity: 400 ml With digital speed indicator, steeples speed regulator 0-99-minute digital timer Safety Lid interlock Complete with R82-6x50ml swing out head.
3	Analytical Balance	Make: Mettler (Toledo) Maximum Capacity : 220 gm. Readability : 0.001 gm. Repeatability : 0.001 gm. Linearity : 0.002 gm. Tare range full. Platform dimension : 120 mm. Sensitivity temperature drift : 3.0 ppm/°C Settling time : 3 sec. Power supply : AC Connectivity : RS-232 Interface for connection to PC or Printer. Cal Ext – Adjustment at a keystroke with an external weight Overload Protection : Yes Other inbuilt application: Piece counting, Percentage weighing, Dynamic weighing, Statistics weighing, Totaling, free factors, Internal calibration
4	Shaking Machine	Designed for shaking Adjustable volume of conical flasks (100 ml-250 ml) of different size by adjusting compartments. Fitted with heavy duty motor to work on 220V, AC 50 Hz single phase. The rate of motion is adjustable mechanically by belt tension. Speed is fixed in same models to approximately 275. Size of Carrier: 36" x 18" x 4" Strokes per Minutes: 150 to 250 Motor: 2 HP Body Type: covered Uninterrupted shaking for 12 hours
5	Muffle Furnace	Heavy duty mild steel having power coating finish High quality Ceramic wool insulation to give maximum thermal efficiency Outer casting made from stainless steel -304 grade Unexposed long lasting KANTHAL A-1 heating elements Maximum Temp -1200 OC Working Temp Range-400-1160 Oc Size- 30x15x15 cm ,3500 watt

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18/09/2020

(R. K. Patra)

Professor & Head  
Dept. of Soil Sci. & Agril. Chem.  
and Chairman, Local Purchase Committee  
CA, OUAT, Bhubaneswar

**C.C: Notice Board, College of Agriculture.**