



**SOS In Botany**  
**JIWAJI UNIVERSITY GWALIOR**

Ref No. JU/BOT/17-18/ 355

Date: 5/2/2018

SPEED POST

To,

Those vendors who are not registered but are authorized dealer of the equipments given below can also submit their quotation

Dear Sir,


Kindly send the quotations for following instruments latest by 23.02.2018 to the under signed by registered / speed post only:

SN	Item Description	Qty
1	Fermentor, Autoclavable lab series Capacity: 3.0 Ltr (Detailed specifications attached) Make: Biomate	01

EMD Rs. 15000.00 alongwith copy of GST registration to be submitted alongwith the offer otherwise liable to be rejected

IT Cell please upload on University website

  
REGISTRAR  
Jiwaji University  
Gwalior

  
HEAD  
Professor & Head  
School of Studies in Botany  
Jiwaji University Gwalior (M.P.) 474011

## LAB FERMENTOR – 1no.

1. Capacity of vessels : 3.0 ltrs
2. Total working vol : 2.225 ltrs
3. MOC of vessel : Borosilicate glass with round bottom and SS top flange, Table top
4. Autoclave type
5. Top flange : Made of SS with ports for pH/temperature / heater/ sample/ feed/ inoculation, nitrogen pipe for anaerobic fermentation etc.
6. Aeration : With inbuilt oil/ moisture free pump and meter
7. Rotameter : 0-5LPM variable with online PTFE 0.2 microns Hydrophobic filter autoclave
8. Sparger type : Ring type air sparger
9. Agitation : Digital RPM indication with variable speed.
10. Impellers : 4 blades two impellers removable type.  
: Four baffles in built removable type.
11. Temperature control : Digital temperature indicator cum controller
12. Heating/ Cooling : Inbuilt heating rod of 100watt Cooling SS coil loop provided for the circulation of chilled /cold water inside vessel.
13. Inlet/.Exhaust Filters : 0.22 microns absolute hydrophobic PTFE/Autoclave 20 minutes.
14. pH module : Online gel filled sterilizable at 121 °C 15psi pH probe with transmitter and display of pH in the TFT with calibration window to control the pH (2-14).
15. Peristaltic pumps : Total-3 No. fixed speed peristaltic pumps for acid /base dosing one peris