

**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA,  
COLLEGE OF AGRICULTURE, GWALIOR – 474 002**

**TENDER NOTICE**

Sealed tender are hereby invited for supply of equipments from manufacturer/Authorized dealer. The last date for submission of tender is 1300 hours on 28<sup>th</sup> February 2012. by registered /speed post. The tender will be opened on 28-02-2012 at 1500 hours. Firms may collect the tender form along with specification from the office of the Dean on or before 25-02-2012 at 1300 hours. The cost of tender form is Rs. 1000/-. EMD will be 3% of the cost of equipments. The details of the equipment may be download from vv.web site [r v s k v v .nic . in](http://r v s k v v .nic . in)

Name of the item

**1. Hot and cooled water circumstances bath, 2. Stainless Steel Seed Fermentor 15 liter capacity stirred, 3. Small Oil Free Compressor, 4. Measured volume broth injector, 5. Steam Generator 100 Kg/H, 6. Generator, 7. Automatic seal machine, 8. Automatic bottle filling machine (Small size), 9. Capping and labeling machine and miscellaneous items.**

**DEAN  
College of Agriculture,  
Gwalior 474002**

**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA,  
COLLEGE OF AGRICULTURE, GWALIOR – 474 002  
TENDER FORM FOR EQUIPMENTS**

<b>Tender No.</b>	
<b>Date of Publication</b>	
<b>Last Date of Accepting Tender</b>	
<b>Date of Issue of Tender Form</b>	
<b>Seal of the Issuing Office</b>	
<b>Amount of fee deposited for issuing tender form</b>	
<b>Details of money receipt No. &amp; Date</b>	
<b>Signature of the person issuing the tender</b>	
<b>DETAILS OF TENDER FORM</b>	
<b>Name of the firm quoting the rates</b>	
<b>Registered address of the firm</b>	
<b>Name of the proprietor with telephone No.</b>	
<b>Whether manufacturer/ authorized stockist</b>	<b>Manufacturer/ authorized stockiest</b>
<b>Name of the manufacturer and address (to whom you represent)</b>	
<b>Details of Earnest Money (FDR / D.D./ Banker's Cheque</b>	<b>Amount Rs.</b>  <b>No.</b>  <b>Dated</b>
<b>Period for which FDR / DD / Banker's Chaque is issued</b>	
<b>Name of the Bank Issuing FDR / DD / Banker's Cheque</b>	

**DETAILS OF EQUIPEMENT (if space is insufficient use another sheet)**

S. No.	Particulars	Quantity	Rate	Amount (Rs.)

**Authorised Signatory**

**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWA VIDYALAYA,  
COLLEGE OF AGRICULTURE, GWALIOR – 474 002**

**TERMS AND CONDITIONS**

Tender No.		
Date of Publication		
Date of issuing the tender form	17-02-2012	Time 10.00 to 17.00 (working hours)
Last date for submission of the tender	28.02.2012	Time 13.00 hrs. at Office of the Dean, College of Agriculture, Gwalior 474004
Date and Time of opening of Tender	28.02.2012	Time 15.00 hrs. at Office of the Dean, College of Agriculture, Gwalior

1. Only the manufacturer and their authorized dealer will submit the tender. The firms submitting the tender will have to submit a certificate of manufacturing of the unit / authorization certificate of the manufacturer. The tenderer should have service center with trained personnel to undertake servicing at and other places in western M.P.
2. No person or firm shall submit more than one tender for the same item.
3. Broad based specification of the system / equipment is given along with the tender form. The tenderer should take note of it and if there are additional specification, which needs attention, should be mentioned in the specification.
4. The tenderer must submit the tender form issued by the office in original, tender document, signed copy of the terms and conditions duly stamped along with requisite EMD in a sealed cover, in the Office of the Dean, College of Agriculture, Gwalior 474002 by registered or speed post delivered up to 13.00 hrs of 28.02.2012 from the date of Publication.
5. Delayed tenders due to postal or any other reason will not be considered.
6. The EMD (Earnest Money Deposit @ 3% of the cost of Equipment) valid for six months from the date of issue should be in the form of A/C Payee DD / Banker's Cheque/ Fixed Deposit Receipt of a nationalized / Schedule Bank in favour of "Dean, College of Agriculture, Gwalior" payable at Gwalior. In absence of EMD with the prescribed form, the tender will not be considered. The EMD will be forfeited in case the tenderer fail to execute the order in specified time.
7. The tender offer should have validity for the period of 180 days.
8. The rates quoted should be inclusive of Sales Tax, F.O.R., VAT tax CST etc. College of Agriculture, Gwalior 474002, inclusive of packing & forwarding, loading, unloading and handling charges, freight, insurance, full risk coverage etc. In case of imported item the CIF value should be Mumbai or Delhi Airport. The tenderer must specify the custom clearance and transportation charges.
9. Break of the prices for the main item and its accessories should be given separately. The tenderer should also specify the probable period of delivery of the equipment.
10. The tenderer should install the equipment and provide free training to the Scientist / Teachers pertaining to the use of the equipment.
11. A list of the organizations where the similar type of equipment is supplied by the tenderer around in M.P. should be enclosed with the tender.
12. Each tender must be accompanied with the technical literature of the equipment failing which the tender will not be considered.
13. The tenderer should be given the warranty minimum for 1 years to provide service/ maintenance free of cost during warranty period.
14. If desired in the specification the tenderer should quote the comprehensive AMC charges for another 3 years.

15. The tender will be opened on 28.02.2012 at 15.00 hrs by the members of the College level purchase committee in the Office of Dean, College of Agriculture, Gwalior 474002. The tenderer can depute his authorized representative to be present at the time of opening of the tenders.
16. The Dean, College of Agriculture, Gwalior reserves the right to extend the due date and the date of opening of the tender.
17. The EMD shall be released after 50 days from the date of opening of the tender.
18. The tenderer will arrange to supply the equipment as per the specifications within 10 days/ specified period of delivery from the date of issue of order failing which the order will be treated as cancelled.
19. The standard terms and conditions of payment acceptable or – payment in full will be made after the contract is effective in full and to the satisfaction of the authority. The payment will be released to the firm supplying the equipment only on successful installation.
20. In case of the equipment to be imported the import license, CDE certificate and other required papers as per the Govt. procedure will be made available to the supplier or importer.
21. If so desired the tenderer should have to enter into an agreement.
22. Any deviation, variation or non-compliance by the tenderer shall be considered as breach of contract and the undersigned reserves the right to forfeit the amount of the EMD in part or full and to take action as per legal arrangement.
23. The Dean, College of Agriculture, Gwalior, reserves the right to accept or reject any or all the tenders without assigning the reasons thereof and to split of the tender as deemed fit.
24. Should there arise any dispute, the Vice Chancellor, RVSKVV, Gwalior shall be the sole Arbitrator whose decision in the matter shall be final and binding.
25. The tenderer shall have to give an undertaking that the terms and conditions as mentioned above are acceptable to the tenderer by providing a signed and dully stamped copy of the terms and conditions.

**Tenders are liable for rejection if:-**

1. Tender not received on due date and time.
2. Earnest Money is not enclosed.
3. Income tax clearance certificate not attached with tender.
4. The rates quoted are not F.O.R. Destination.
5. Central and state sales tax shown separately.
6. The tender not submitted in the format supplied by the V.V. will not be considered and rejected at the time of opening.
7. Certificate of Registration for the type of Business is not enclosed with the tender.

**Dean  
College of Agriculture,  
Gwalior 474002**

# **SPECIFICATION OF EQUIPMENTS**

## **1. Hot and cooled water circumstances bath**

- High quality and excellent temperature stability
- Ambient +5°C to 99°C operation
- Excellent temperature stability
- Drain tap included
- Dual controls for separate setups and temperature displays
- Optimum use of space and value for money
- Countdown timer with audible buzzer
- Fixed thermal cut-out
- User settable, over-temperature sample protection
- Digital PID control for quick heat-up Clear, wide-angle viewing digital LED display with indication of heating state
- Heater mat and sensor bonded to underside of tank
- Grant non-drip polycarbonate lid
- Stainless steel tank
- Clean, painted steel case
- Grant polycarbonate perforated base tray
- User calibration
- Raised feet base tank

## **2. Stainless Steel Seed Fermentor 15 liter capacity stirred**

- Mechanical agitation system
- Excellent stability
- Convenient operation
- LCD Touch Screen
- Working Volume: 5-50 L
- Surface finish: Mechanical polishing and satin finish
- Mechanical agitator; speed range 50-400 rpm
- Blade impeller, defoamer and baffles
- Sterile sampling and bottom valve
- Automatic pH control; pH sensor, pH alarm
- DO sensor with alarm; range 0-100% or 0-200%
- Automatic foam control; alarm and defoamer
- Automatic feed control with alarm
- Temperature Control - Automatic with sensor  
Digital Control  
Range: 0-150 degree
- Automatic Rotation speed, Pressure and Air Flow control

### 3. **Small Oil Free Compressor**

#### **Features:**

- Absolute dry, clean and totally oil free
- High durability with simple design
- High Compression Ratio
- High efficiency suction filter
- Fast filling
- Anti vibration mounting
- Acoustically enclosed, safe to operate, high flexibility
- Internally coated air receivers
- Low power consumption

#### **Technical:**

- Electrical - 230V-AC, 50 Hz
- Power Consumption - 500W
- Inlet Pressure - 6-20 PSI(0.04-0.14 MPa)
- Discharge Pressure - 2000 PSI(13.8 MPa)
- Flow Rate - 5-20 LPM

### 4. **Measured volume broth injector**

#### **Features:**

- Body, Springs and Shafts made up of stainless steel
- Drive water inlet valve
- Drive water filter
- Regulating and distributing valve
- Fertilizer injector
- Fertilizer valve assay
- Suction head
- Non-return valve
- Fertilizer outlet valve
- Range- upto 50L
- Injection rate of 8-50l/h; 3-13 USgph
- Pressure range 2-8bar (30-120PSI)
- Water Consumption two times the quantity of chemical injected

### 5. **Steam Generator 100 Kg/H**

#### **Features:**

- Vertical water tube steam boiler
- Top burner burning
- Good thermal efficiency
- Protective device controller
- Quick start-up
- Water level, steam pressure protection
- Small installing area

**Technical:**

- Heating Power - 3KW-18KW
- Voltage - 220V/380V
- Pressure - 0.4-0.7 MPa
- Vapor Capacity - 3.8-22.8 Kg/H
- Water Volume - 28L
- Power - 380V, 50Hz
- Heating - 20-144 KW
- Steam Feeding - 30-200 Kg/H
- Temperature - 170 degree

**6. Generator****Features:**

- Vertical
- Water cooled
- Direct injection
- Naturally aspirated
- Gravity feed fuel system
- Large end bearings
- Suitable for run-through

**Technical:**

- Bore x Stroke - 80 x 110 mm
- Cubic Capacity - 0.5L
- Compression Ratio - 16.5 : 1
- Rated Output - 3.7KW(5.0hp) at 1500 rpm
- SFC rated hp/1500rpm - 245g/kwh(180 g/bhp-hr)
- Lubricant Oil Capacity - 3.3L
- Fuel Tank Capacity - 6.5L
- Clockwise flywheel rotation

**7. Automatic seal machine****Features:**

- Stainless steel frame
- Low maintenance, high durability
- Easy addition to any conveyor
- Centrifugal bowl cap orientator
- Electronic single touch torque control
- Powered height adjustment
- On-the-fly speed and torque adjustment
- Angle gripper belts
- Self centering spring loaded spindles
- Knob chute adjustment
- Cap elevator/orientator

**Technical:**

- Electrical - 220V-AC, 20Amp
- Air - 120 PSI @ 2CFM
- Capping - Upto 120 CPM
- Cap Size - 10mm-120mm
- Container Size - 1/4"-81/2"(6mm-215mm)

**8. Automatic bottle filling machine (Small size)****Features:**

- Heavy duty sanitary stainless steel frame
- Steel fill nozzles and food grade reinforced tubing
- Diagnostic touch screen control with storage memory
- Food grade supply / buffer tank
- Power height adjustment of fill heads
- Variable speed conveyor
- Centrifugal food grade pump
- Container back-up detection
- Star wheel or time screw indexing
- Draining drip collection tray
- Buffer tank product flow control
- High capacity food grade diaphragm pump
- Gravity tank with float system

**Technical:**

- Electrical - 220V-AC, 60 Hz
- Air - 80-100 PSI @ 2 CFM
- Filling - Upto 60 CPM
- Cap Size - 10mm-120mm
- Viscosity - 2000 cps

**9. Capping and labeling machine and miscellaneous items.****Features:**

- Automatic label setup
- Touch screen control system
- Easy roll upto any conveyor
- Welded thick wall stainless tubing frame
- Cantering label head top, angled or side labeling
- Heavy duty stainless steel frame
- Digital control for label speed
- Container separator
- Fully integrated speed adjustable conveyor
- Tamp and Wrap station

**Technical:**

- Labeling - Upto 160 CPM
- Electrical - 220V-AC
- Label Size - Length : 0.5"-11.75"(1.25-29.75cm)  
Height : 0.5"-6"(1.9-15.25cm)