

**RAJMATA VIJAYRAJE SCINDIA KRISHI VISHWA VIDYALAYA,
COLLEGE OF AGRICULTURE, GWALIOR – 2 M.P.**

No.IPRO/DN/2356

Dated: 14/3/2011

TENDER NOTICE

Sealed tenders are invited through registered post for supply of equipments coasting Rs.25 lacs for post harvest value addition unit, College of Agriculture Gwalior. Tender document may be downloaded from www.rvskvv.nic.in .A tender fee of Rs, 1000 in the form of D.D. of Nationalised bank in favour of Dean, college of Agriculture, Gwalior .will have to be deposited. The tender document may also be obtained on payment of non-refundable of Rs. 1000/- (one thousand) . The tenders will be received in the Office of the Dean, College of The Agriculture, Race Course Road, Gwalior -2 M.P. India on or before 22 /3/2011 up to1:P.M. and will be open on same date i.e. 22 /3/2011 at 3 pm

DEAN

College of Agriculture
Gwalior (M.P.) 474002



DEAN COLLEGE OF AGRICULTURE

Race Course Road, Gwalior – 2 (M.P.) 474002

ITEM RATE

TENDER – DOCUMENTS

OF

EQUIPMENTS

FOR POSTHARVEST VALUE

ADDITION UNIT

FOR THE YEAR – 2010-2011

VALID UP TO – 31ST March 2011

Demand draft no

Dated.....

Tender Cost Rs. 1000/- (one thousand) only

**RAJMATA VIJAYRAJE SCINDIA KRISHI VISHWA VIDYALAYA COLLEGE OF
AGRICULTURE, GWALIOR (M.P.) – 474002**

Equipments for post harvest value addition unit

Tender No.	DN/--
Date of Publication	-03-2011
Date of issue of tender Form	-03-2011
Seal of the Issuing Office	
Amount of fee deposited for issuing tender form	1000 /-
Details of money receipt No. & Date	
Signature of the Person issuing the tender	
DETAILS OF TENDERER	
Name of the firm / person quoting the rates	
Registered address of the firm	
Name of the proprietor with telephone No	
Whether manufacturer / authorized stockist	
Name of the manufacturer and address to whom you represent (for representatives)	
Details of earnest money (FDR/DD./Banker's cheque) (No cash will be accepted) 0000/Rs. 3% of total cost	75000 /-
Period for which FDE/DD./Banker's cheque is issue	
Name of the bank issuing FDR/DD/Banker's Cheque.	

**RAJMATA VIJAYARAJE SCINDIA KRISHI VISHWAVIDYALAYA
COLLEGE OF AGRICULTURE**

TENDER DOCUMENT: IPRO/Advt/

Dated: /3/2011

Tender Form – 01

Terms and condition:

1. The cost of blank tender form is Rs 1000 (Rs one thousand)
2. Firm / company should be duly registered with the Registrar of companies or sales tax authority wherever applicable. Tender from non-registered firm would be rejected Attach certificate of incorporation.
3. Tender should be in the name of **Dean, College of Agriculture Gwalior** in sealed cover duly super scribed as “ Tender no. 01of post harvest and value addition unit .
4. No alteration or erasures in the tender form are permissible without proper authentications otherwise it is liable for rejection.
5. Rates quoted in the tender should remain valid up to 31st March 2011 for the university jurisdiction.
6. Earnest Money Deposit shall be (Rs.75, 000/.) and shall be in the form of D.D. of nationalized bank drawn in favour of Dean College of Agriculture Gwalior. Tenders without EMD would be rejected. The EMD will fortify in case the tenderer fails to execute the order in specified time.
7. Rates should be quoted per equipment as well as total amount in the space provided at the end of tender document, inclusive of all taxes.
8. The rates quoted shall be inclusive of all taxes and all charges of conveying, loading, unloading, stacking, with all leads and lifts. F.O.R. Gwalior.
9. The rates quoted will be compared with features / specifications of the material / product so as to suit the requirement of university and lowest rates may not be the sole criteria for the acceptance of the tender.
10. If the Equipment (processing unit) is not supplied of the desired specification, same shall be rejected at the cost of supplier.
11. Tender received after due date or time or if tender is not duly sealed and signed. It would be rejected.
12. If Equipment is not supplied within stipulated time limit, the penalty of Rs 100 per day will be charged for seven days after which same will be purchased from the market and excess cost will be recovered from tenderer.
13. Quantities of various components of the project may increase or decrease according to progress of the project, rates quoted and availability of funds.
14. Payment would be made as per University norms.
15. **Dean, College of Agriculture, Gwalior reserves** the right to reject any tender in part or full without assigning any reasons.
16. Tender form duly completed in all respects should be accompanied by the following documents, wherever necessary.

17. Only the manufacturers and their authorized sales/ supplier need submit the tender.
18. No person or firm shall submit more than one tender for the same item.
19. Board based specifications of the system/ equipment are given along with the tender form. The tenderer should take note of it and if there are additional specifications, which need attention, should be mentioned in the specifications.
20. 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 of any nationalized bank in a sealed cover in the office of Dean College of Agriculture Gwalior by registered or speed post / courier
21. The tender offer should have validity for the period of 180 days. (Minimum)

22. Break of the price for the main item and its accessories should be given separately.

23. The tenderer should install the equipment and provide free training to the Scientists / Teachers pertaining to the use of equipment. They equipments should be duly commissioned and should be in full working condition before being handed over.

24. The tenderer should have give the warranty minimum for 2 years to provide service/maintenance at free of cost during warranty period.

- 25 If required the tenderer will have to arrange a demonstration of equipment or system without any charges/ obligations.

26. The standard terms and conditions of the payment should be acceptable Payment in full will be made after the contract is affected in full and to the satisfaction of the authority, payment will be released to the firm supplying the equipment only on successful installation.

27. In case, the equipment is to be imported on the import license, CDE certificate and other required papers as per the govt. procedure will be made available to the supplier or importer.

28. Any deviation, variation or non- compliance by the tenderer shall be considered ad break of contract and the undersigned reserves the right to forfeit the amount of EMD in part or full and to take action as per legal arrangement.

29. The Dean College of Agriculture Gwalior reserves the right to accept or reject any or all the tenders without assigning the reasons.

30. Should there arise any dispute, the Vice Chancellor, RVSKVV Gwalior shall be the sole arbitrator whose decisions in the matter shall be final and binding.

31. 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 duly stamped copy of the terms and conditions.

32. The prices of item code be quoted separately and clearly. Taxes may also be mention

33. The firm must submit CST TIN No. and PAN No. otherwise tender will not be accepted.

Dean
College of Agriculture
Gwalior

Details of the registration of the firm	Check list item – 1
Details of location of the firm and its outlets	Check list item – 2
Documentary evidence of being an authorized representative.	Check list item – 3
Catalogues showing details of equipments	Check list item – 4
Details of some esteemed customers and their testimonials.	Check list item – 5
Any other document as may be necessary as per tender	Check list item – 6

Annexure - 1

AGREEMENT BOND

I/We hereby tender for the supply of Equipments for post harvest value addition unit to the Dean, College of Agriculture Gwalior, at the rate and in the quantity mentioned in accordance with the terms & conditions stipulated in the annexure to this memorandum.

If this tender be accepted I/We hereby agree to abide by and fulfil all the terms & conditions, provisions of contract annexure here – to so far as applicable or in default there of to forfeit and pay to the **Dean College of Agriculture, Gwalior**, the sum of money mentioned in the said conditions. A sum of Rs. 75000 ie 3% of the total cost of items is herewith forwarded in the form of demand draft of Nationalized Bank as Earnest money., The full value of which is to be absolutely forfeited to the said **Dean College of Agriculture Gwalior** or his successor in office without prejudice to any other right or remedies in case I/We fail to undertake the supply of commodities specified in the annexure, or fail to abide by the said terms & conditions of the contract.

Dated :.....the day of.....

Witness:.....Signature of Tenderer / supplier

Address:.....

.....

.....

Occupation:.....

The above tender is hereby accepted by me on behalf of the Dean College of Agriculture, Gwalior.

DEAN

List of equipments for establishment of the post harvest value addition unit at Gwalior.

<u>FRUIT JUICE/PULP EXTRACTION EQUIPMENT</u>	
1. FRUIT/VEGETABLE CRUSHER (FRUIT MILL)	1 NO.
(SUITABLE FOR CRUSHING HARD/SEEDLESS FRUITS LIKE GUAVA,PINEAPPLE/APPLE/TOMATO/CARROTS BEFORE PULPING/JUICE EXTRACTION)	
2. PULPER JUNIOR MODEL	1 NO.
(SUITABLE FOR EXTRACTION OF PULP FROM MANGO/LITCHI/TOMATO/CARROT)	
3. SCREW TYPE JUICE EXTRACTOR	1 NO.
4. SS STORAGE TANK	1 No.
5. COOKING KETTLE - STEAM JACKETED KETTLE (TILTING TYPE):	2 NO.
(SUITABLE FOR COOKING PULP OR JUICES)	
<u>RTS PREPARATION LINE: 500 LPH</u>	
1. PULP COLLECTION TANK (100 LTRS)	1 No.
2. CENTRIFUGAL PUMP:	1 NO.
3. BEVERAGE BLENDING SYSTEM CAPACITY 200 LPH	1 No.

4. **PASTEURISATION SYSTEM: SKID MOUNTED JUICE STERILISATION,CAPACITY 200 LPH ALONG WITH ACCESSORIES :** **1 No.**

- **Design Requirement of plate pack of juice Pasteurisation**

5. **HIGH PRESSURE HOMOGENISER 200 LPH** **1 NO.**

6. **AUTOMATIC LINEAR BOTTLING MACHINE** **1 NO.**

7. **INTERCONNECTING PIPELINES(SS 1 SET)**

8. **BOILER 135 KGS.** **1 NO.**

TECHNICAL DETAILS

- Capacity 135 KGS.,
- Pressure 300 Pounds:
- Having 31 tube.

Specification of post harvest value addition Equipments

FRUIT JUICE/PULP EXTRACTION EQUIPMENT

1. FRUIT/VEGETABLE CRUSHER (FRUIT MILL)

1 NO.

(SUITABLE FOR CRUSHING HARD/SEEDLESS FRUITS LIKE GUAVA,PINEAPPLE/APPLE/TOMATO/CARROTS BEFORE PULPING/JUICE EXTRACTION)

- Mounted on a MS stand .All contact parts made of stainless steel (AISI 304).
- Capacity 300Kg/hr
- The product is fed into the hopper manually and the product gets crushed by SS rotor which crushes it against the SS blades.
- Crushing head size is 6" and is designed for easy cleaning after use.
- Fitted with 1 HP motor.

2. PULPER JUNIOR MODEL

1 NO.

(SUITABLE FOR EXTRACTION OF PULP FROM MANGO/LITCHI/TOMATO/CARROT)

All the contact parts are made of stainless steel AISI-304.the basic main frame is made of mild steel and is duly painted with rust resistant paint.

- After the fruits are fed in the infeed hopper, the skin and seeds of the fruit is ejected from the other side after extraction of the pulp.
- The fruit is subjected to high speed rotation brushing/food grade strap assembly against an SS sieve which helps in separation of the seed/skin from the pulp.
- The total pulping section is of 24" length.
- The machine is fitted one removable SS sieve and one set of Nylon Brushes.
- The machine is fitted with 1 HP motor
- Capacity of the pulper is 300-500 kg/hr input fruit.

3. SCREW TYPE JUICE EXTRACTOR**1 NO.**

- Capacity 1000-1200 oranges/hour.
- Suitable to extract juice from citrus fruits like orange etc. on a laboratory scale/cottage scale production/hotel or restaurants.
- Equipped with ½ HP motor/starter.
- Stainless steel model

4. SS STORAGE TANK**1 No.**

- Made of SS 304.

5. COOKING KETTLE - STEAM JACKETED KETTLE (TILTING TYPE):**2 NO.****(SUITABLE FOR COOKING PULP OR JUICES)**

- Jacket and pan made of 10/10 swg. Stainless steel SS 304.
- Complete with pressure gauge, safety valve, and steam pet cock. The steam trap can be supplied at an extra cost.
- The kettles are 2/3 jacketed for maximum steam utilization and efficiency.
- Kettle bottom with hemispherical design for heat transfer.
- Mounted on a mild steel stand. The kettle has a tilting arrangement through worm gear/pinion which helps to completely empty the contents from it.
- The temperature shall be completely uniform throughout the entire jacketed surface of the kettle to eliminate any hot spots to scorch the pan or product.
- The Kettles are available in following capacities :
- The price for 10 Gallons

RTS PREPARATION LINE: 500 LPH**1. PULP COLLECTION TANK (100 LTRS)****1 No.**

The tank consists of :

- SS-304 main shell cylindrical with conical bottom
- Suitable nozzles.
- SS-304 removable type lid
- 3" bottom connection with suitable valve
- 4 nos supporting legs with bottom mounting plate
- Capacity 100 ltrs water holding.

2. CENTRIFUGAL PUMP:

1 NO.

- It is for pumping of the sugar syrup
- Mono block SS-304, pump with mechanical seal
- Complete with motor, SS frame

3. BEVERAGE BLENDING SYSTEM CAPACITY 200 LPH

1 No.

- Suitable for blend/mix pulp/water/preservatives.
- SS-304 removable type lid fitted with suitable geared motor for mixing/stirrer
- 3" bottom connection with suitable valve.
- Tank is steam jacketed and duly insulated.

**4. PASTEURISATION SYSTEM: SKID MOUNTED JUICE
STERILISATION,CAPACITY 200 LPH ALONG WITH ACCESSORIES :**

1 No.

- **Design Requirement of plate pack of juice Pasteurisation**
- Temperature Programme
- Raw juice inlet temperature 75 degree C
- Provision to take juice for homogenization at 75 degree C

5. HIGH PRESSURE HOMOGENISER 200 LPH**1 NO.**

- High Pressure Homogenizer manually operated two stage homogenizing head having discharge capacity of 500 PH at working pressure 120 bar (Maximum pressure 200 bar) with 7.5 HP TEFC Electric Motor of 1000 rpm 415 Volt, 50 C/S, "V" Belt drive arrangement with frame and stainless steel cabinet enclosures.
- Homogenizing Valve and Valve seats are of Satellite material and all contact parts are made of SS.

6. AUTOMATIC LINEAR BOTTLING MACHINE**1 NO.**

This series of machines is appropriate for filling and capping all kinds of pet bottles. This line is widely used in filling non-carbonated drinks such as fruit juice, fruit wine, tea, medicine and other liquids.

Technica Specifications

Production capacity	1000 BPH
Bottle(mm)	200-320(H) 15-18mm 60-80mm
filler/sealer	12/1
Types of caps	Plastic caps

7. INTERCONNECTING PIPELINES(SS 1 SET)**8. BOILER 135 KGS.****1 NO.****Salient Features:**

- Packaged unit
- Instant steaming
- Semi Automatic/Fully automatic unit available.
- Low Stack Temperature
- High operating efficiency
- Outside combustion efficiency
- Qualified attendant 'NOT' required.
- Multi-pass design with economizer.
- Can attain pressures up to kg/cm².
- Easy access for inspection and cleaning.
- Low system lag and rapid warm up response.
- Failsafe design, dependable safety instruments.

TECHNICAL DETAILS

- Capacity 135 KGS.,
- Pressure 300 Pounds:
- Having 31 tube.