BIDs are invited from reputed manufactures/Dealers/Suppliers in Two bid system (Technical bid & Financial bid, separately) for purchase of “Automatic Nitrogen-digestion and distillation system with accessories” for the Department of Soil Science and Agril. Chemistry, SKN College of Agriculture, Jobner (Jaipur). Approximate budget for this system is Rs. 4.35Lakhs. Bid document can be obtained from this office by depositing bid document fee cash Rs. 500/ and also may be downloaded from the university website www.sknau.ac.in & sppp.rajasthan.gov.in (will have to submit DD or cash Rs 500 in favour of Dean, SKN College of Agriculture, Jobner, Jaipur, while submitting bid). The last date for submission of bid is **01.03.2021 at 11.30 AM**. The bids will be opened on same day (01.03.2021) at 3.00 PM. Undersigned has reserves all right to accept or reject any or all the BIDs either in full or in parts without assigning any reason.

Copy forwarded for information and necessary action;

1..Comptroller, SKNAU Jobner, with request to nominate his nominee.
2..Incharge, CIMCA with request to upload open tender on University website, www.sknau.ac.in and sppp.rajasthan.gov.in.
3..The Convener/member Tender committee, SKN College of Agriculture, Jobner
4..DDO, SKN College of Agriculture, Jobner
5..Cashier, accounts, SKN College of Agriculture, Jobner.
6..Notice board, SKN College of Agriculture, Jobner/ SKNAU, Jobner.
**BIDs shall satisfy the following conditions:**

1. The rate will be quoted in the format provided (Annexure II) in INR only and there should be clear mention of net price of the item and taxes (GST & others, if any), separately. Rate shall be valid for a minimum period of 90 days from the last date fixed for the receipt of quotations.

2. The rate quoted shall be for free delivery and installation at the Deptt. of Soil science and Agril Chemistry, SKN College of Agriculture, Jobner. Delivery within 20 days after receipt of purchase order.

3. Full specifications of the article quoted for shall be given in the quotation along with literature/pamphlet/drawing and name of brand and model no. of instrument etc.

4. User list of the quoted item (atleast 7 in Govt. organizations, only with user satisfactory certificates) may also be additionally provided for reference.

5. If the bid is submitted by the authorized dealer on behalf of the Manufacturer/OEM, than valid authorization certificate of the Manufacturer/OEM must be attached with the bid, otherwise bid will not be considered.

6. As per CVC’s guidelines No.12-02-6CTE-SPJ(1)-2/161730 (circular No.3/1/12) dated 13/1/2012, in a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. Further, if an agent submits bid on behalf of the Principal/OEM the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.

7. Supply is to be made by any convenient mode of transport at supplier’s risk unless otherwise specified.

8. Two-year warranty and one year AMC has to be invariably provided by the firm.

9. Payment will be made by mode of e-payment to the supplier/firm after satisfactory installation and commissioning/completion of work.

10. The Dean, SKN College of Agriculture, Jobner reserves the right to accept or reject any or all the quotations either in full or in parts without assigning any reason.

11. Quotations not complying with the above conditions are liable to be rejected.

12. Scanned copy of GST/PAN/C.S.T. Nos. may be attached with the bid.

13. AMC/CMC charges shall not be included for the evaluation of the financial/commercial bids.

14. In case, any dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & Court at JAIPUR. Price preference and/or purchase preference as per provisions of Government of Rajasthan shall be admissible in evaluation and award of contract.
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>(Bid security) (₹)</th>
<th>Bid Fees (₹)</th>
<th>Bid document receiving last date and time</th>
<th>Bid document opening date and time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Automatic Nitrogen-digestion and distillation system with accessories (Technical specifications as lined in Annexure III)</td>
<td>Annexure -1</td>
<td>500/-</td>
<td>01.03.2021 at 11.30 AM</td>
<td>01.03.2021 at 03.00 PM</td>
</tr>
</tbody>
</table>

The following documents must be enclosed with the technical bid failing which tender will not be accepted at all.

2. Current Authorization letter issued from Manufacturer/Principal Firm in original.
3. Bid security Declaration—Annexure-1
4. BIS License with schedule for ISI Marked Products.
5. Average Annual turnover (Minimum -50.00 Lakhs) statements for past 3 years certified by C.A.
   GCC 2.6.
6. Financial Bid should be submitted separately as per the format given in Annexure II, only.
7. Statement of Past Supplies and Performance (at least 3 in Govt. organizations only) with user’s satisfactory certificate.
8. The Firm should submit debarred declaration from any Govt dept last 5 years.
Form of Bid-Securing Declaration

Date:
Bid No. :
Alternative No:
To:

..................................................

We, the undersigned, declare that:
We understand that, according to your conditions, bid must be supported by a Bid-Securing declaration.
We accept that we are required to pay the bid security amount specified in Terms and Condition of Bid, in following cases, namely:-

a. When we withdraw or modify our bid after opening of bids;
b. When we do not execute the agreement, if any, after placement of supply/ work order within the specified period.
c. When we fail to commence the supply of goods or services or execute work as per supply/work order within the time specified;
d. When we do not deposit the performance security within specified period after the supply/work order is placed; and

e. If we breach any provision of code of integrity prescribed for bidding specified in the Act and chapter VI of these rules.

In addition to above, the State Government shall debar us from participating in any procurement process undertaken for a period not exceeding three years in case where the entire bid security or any part thereof is required to be forfeited by procuring entity.

We understand this Bid Securing Declaration shall expire if:-

(i) We are not the successful Bidder;
(ii) The execution of agreement for procurement and performance security is furnished by us in case we are successful bidder;
(iii) Thirty days after the expiration of our Bid.
(iv) The cancellation of the procurement process; or
(v) The withdrawal of bid prior to deadline for the presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.

Signed: ......................................
Name: ......................................
In the capacity of ......................

Duly authorized to sign the bid for and on behalf of:

Dated on ..............................

Corporate Seal: ............................

[Note: in case of a joint venture, the bid securing declaration must be signed in name of all partners of the joint venture that is submitting the bid.]
# ANNEXURE II

## FINANCIAL BID FOR QUOTED ITEM

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of Item with full specification</th>
<th>Brand</th>
<th>Qty</th>
<th>Net Rate per Unit (Rs.₹)</th>
<th>GST (Rs.₹)</th>
<th>Rate of Excise duty (It should be included in net Rate) in INR (Col. 6)</th>
<th>Amount of excise duty workout accordingly Col. No. 8 (Rs.₹)</th>
<th>Total rates (6+7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1. Automatic Nitrogen-digestion and distillation system with accessories</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date

Signature

Name in Capital Company / Firm Seal
Annexure III

Technical specifications of Automatic Nitrogen-digestion and distillation system with accessories

A. Automatic Digestion System
- Twenty Place 250 ml capacity PC Compatible Block Digestion System with all essential accessories
- TFT Graphic Touch Screen Display with unique wireless mouse to operate at a distance of 1-2 mtrs without connecting to PC.
- Should have 2 Ports in the motherboard one for PC connectivity another for direct connection to Remote Mouse/Datalogger/ Memory stick for data storage with separate port in mother board apart from PC Port
- Integrated autosequencing time/temperature domain of 70 programs and 12 sequencing steps
- Temperature Controller should be isolated separately in a control tower to protect electronics from digestion heat zone and acid reaction zone
- Temperature Control Range: Room temperature to 450 °C, Temperature Accuracy : ± 0.5 °C
- PC software performs Live graphical representation of time/temperature gradient on touch screen display directly.
- Direct USB Port for PC with live process view on touch screen display of various stages with print options,
- Data logger with real time clock with memory stick for data storage with separate port in mother board apart from PC Port
- All essential accessories like Digestion Tubes, SS Insert Rack, Exhaust Manifold,
- Suction Assembly wall mounted on rear side of unit for safe & easy access to drain area.

B. Automatic Scrubber System
- Four stage acid neutralization scrubber.
- First stage: Condensation with water condensor, Second Stage: Neutralization in Alkali, Third Stage: Neutralization in Water, Fourth Stage: Dissolution of acid free of acid fumes in raw tank water.
- Recirculation Pump: Non corrosive centrifugal inbuilt magnetic suction pump for water recirculation in 8 litres tank avoids requirement of running water during digestion.
- Non Corrosive submergible pump for condensor water recirculation.
- Fibre Reinforced plastic Tank of capacity 8 litres
- Automatic Water level indicator to view water level in FRP tank externally
- Containers for Alkali and Water, Electrical Requirement: 230v/50Hz Mains.

C. Automatic Distillation System
- Autosequencing Programmable Microprocessor based Distillation with inbuilt software, Colour Touch Screen high resolution TFT LCD Display.
- Auto Intelligent run of programmable steps, Addition of Boric Acid, Dilution, KMNO4 Addition for Available Nitrogen, Alkali Addition, Steam Processing, Residue Removal, Process

- The suction module of waste residue should be door mounted for easy serviceability.
- Facility to program and control distillate volume for determination of available nitrogen
- Auto sensing of “NO WATER” condition in condenser & steam generator with alarm & signal to alert user.
- Auto deactivation of operation after warning in case of user non availability
- Enables Automatic monitoring and measuring of high temperature in distillate with sensor for auto warning signal and safety alarm to alert user to control distillate temperature. Temperature displayed digitally.
- Auto reagent Level Sensor with Alarm for Reagents, Stainless steel non corrosive steam Generator

- Reagent tanks to be wall mounted for users visibility and easy handling.
- The control panel unit along with inbuilt temperature controller, timer, mother board and SMPS should be isolated in separate compartment to protect electronics from wet chemistry & acid/alkali process area for longevity and safety of all electronic components.
- Nitrogen level : 0.1 to 200 mg Nitrogen (Min / Max Detection Limit)
- Nitrogen Reproducibility: ± 0.1% RSD , Nitrogen Recovery : > 99.5%
- The instrument shall strictly confirm to the specifications with relevant brochure & photograph of items.
- The company should be reputed with atleast 5 users in Rajasthan with proof, with good track record of After Sales Service.
- The company should have proof of atleast 25 installations of long term users using equipments for more than 10 years showing longevity of operations
- The company should be reputed supplier should not have any adverse remarks in the past.
- Facility for Good Laboratory Practice (GLP) routines supported by sample data registration in the instrument with details such as user name, date, performance test, sample code, sample weight, etc.
- Company should have good performance track record of at least 10 years with references of users of similar equipment. The instrument shall confirm to the specifications with relevant brochure. The company should be reputed supplier with atleast 50 installations of Automatic Nitrogen Analyser in India and minimum 10 installations in Rajasthan. The company should not be blacklisted or should not have any adverse remarks in the past.