



BIDHAN CHANDRA KRISHI VISWAVIDYALAYA
SURVEY, SELECTION & MASS PRODUCTION OF NODULE BACTERIA
DIRECTORATE OF RESEARCH
P.O. MOHANPUR, DIST: NADIA – 741252, WEST BENGAL

Abhijit Debnath

M.Sc.(Ag.), Ph.D.

Professor & Officer-in-Charge &

PI, RKVY Project, “*Establishment of Biofertilizer Production Unit*”

Ref. No: RKVY/SSMP/02-EQ/18-19

Dated: 08.02.2019

Ref. e-Tender Id : 2019_BCKV_214174_1

Bid Opening Date :26-Feb-2019 12:00 PM

NOTICE INVITING e-TENDER

Principal Investigator of the RKVY Project entitled “**Establishment of Biofertilizer Production Unit**” is inviting e-tenders from competent and *bonafide* vendors/ parties/ distributors/ dealers/agents/ manufacturers having registration of GST for supply of the following items to the *Biofertilizer Production Unit*, Mohanpur campus **within 15 days from the date of notification in the West Bengal Govt. e-tender portal up to 6.00 pm** as per specifications appended below.

Terms & Conditions:

- i) Preparation of bids: the tender should be submitted under two bid system (i.e. technical and financial bid) with validity for a period of 6 (six) months.
- ii) Technical bids will be evaluated by the Indenter and other expert members of the office and the financial bids will be opened of those bidders who qualified in technical bids.
- iii) In case of Indian items - The price of items should be quoted in INR & net per unit (including taxes and duties, etc). The bidders must stipulate the delivery period of the same.
- iv) In case of imported items - The prices of all the equipment and items, including imported ones, should be quoted in net per unit (including all taxes and duties, etc.). However, University will provide valid DSIR and authorization certificate to the clearing agent, if required. Quotation must include essential accessories like, gas cylinder, regulator, computer, etc. (as mentioned against each equipment) from branded company, in Indian Rupees only, even if the main equipment is quoted in foreign currency. Without essential accessories tender will be considered as incomplete. Quoted rates must be FOR DESTINATION (including packing, insurance and delivery charges up to the laboratory at BCKV, Mohanpur) with satisfactory installation and demonstration. The bidders must stipulate the delivery period of the same.
- v) Reduced rate of GST (5%) is applicable to the University. Requisite certificate will be issued by the university authority.
- vi) Payment will be made after satisfactorily performance of the items.

vii) EMD: Rs. 15,800 (Rupees Fifteen thousand eight hundred only) in the form of Bank Draft / Bankers Cheque in favour of 'Bidhan Chandra Krishi Viswavidyalaya' payable at Kalyani (IFSC: SBIN0001082). Scanned copy of the demand draft must be uploaded as supporting document during submission of e-tender. Without EMD quotations /bids will not be considered for technical and financial comparison. Draft must be in favour of 'Bidhan Chandra Krishi Viswavidyalaya' payable at Kalyani (IFSC: SBIN0001082). EMD exemption certificate must be attached, if any.

viii) The vendor should have some experience for supplying of different items to any Government / Semi Government organization.

ix) Important safety standards

The instrument must confirm to International EMC and Safety standards.

x) Warranty

Warranty period minimum 3 Year or more from the date of supply. Manufacturer must have their own dedicated Service Centre available in India and details of Service Centre must be provided while submitting their Quotations.

xi) General

Quotations should be submitted either by an OEM or their Authorised Distributors only. Valid Authorisation Certificate from OEM is a must in case of Quotations are submitted by Distributors.

xii) Supporting documents (as applicable):

- a) Bid papers should accompany authorization certificate from original manufacturer, GST registration, Latest IT return, PAN and other statutory documents, if any.
- b) Scanned copy (self attested) of the original supporting document in favour of the specification –claim for each items must have to be uploaded separately
- c) User list along with certificate from reputed users also need to be uploaded.
- e) Price bid of the vendors will be compared only if technical specificity as appended against the item is fulfilled.
- f) The Viswavidyalaya reserves the right to accept or reject any tender without showing reason.

Sd/-

PI, RKVY Project on
Establishment of Biofertilizer Production Unit

BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

PO- Krishi Viswavidyalaya, Mohanpur (741252), Nadia, W. B.

Registrar's Central Purchase Section

PURCHASE INDENT

Ref. No. *RKVY/SSMP/EQ(2)/2018-19*

Date: 08.02.2019

Name of the Indenter: Dr. Abhijit Debnath

Designation: Professor & PI, RKVY Project, "Establishment ...unit"

Department: Survey, Selection & Mass Production of Nodule Bacteria

Faculty: Directorate of Research

Sl. No.	Name of the Item/ Equipment	Detailed Specification	Quantity (No.)
1	AUTOMATIC N-DIGESTION- DISTILLATION -TITRATION SET (KEL-PLUS)	<p><u>A. Automatic Digestion System</u></p> <ul style="list-style-type: none"> • 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. • Should have 2 Ports in the motherboard one for PC connectivity another for direct connection to Remote Mouse/Datalogger/ Memory stick • Icons to represent output of heating process in touch screen display (70 programs, 12 ramps) • Inbuilt mini printer for print options to document preprogrammed settings and logged datas • PC software performs Live graphical representation of time /temperature gradient on touch screen display • Direct USB Port for PC with live process view on touch screen display of various stages with print options, • Remote control module for wireless data monitoring, control and transfer to PC at a distance of 10-20 feet • The Entire display screen of Controller should wirelessly appear in the PC/ Laptop of user, to monitor & control from users work table. • Upgradeable to Data logger with real time clock with memory stick for data storage with separate port in mother board apart from PC Port • Upgradeable to Auto lift Module <p><u>B. Scrubber System-</u></p> <ul style="list-style-type: none"> • Four stage acid neutralization scrubber. • Non corrosive centrifugal suction pump with inbuilt self priming feed pump for water recirculation, • FRP Tank, Containers for Alkali and Water, Electrical Requirement: 230v/50Hz Mains. <p><u>C. Automatic Distillation System</u></p>	1

- 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 over indication with inbuilt delay time features, Auto Titration Connectivity feature for future upgradation, Aspiration of Receiver Residue with inbuilt mini printer for instantaneous results on input of titre value with inbuilt formula for Nitrogen, Available Nitrogen, Ammonical Nitrogen etc. without connecting to pc. Complete Automatic safety features.
- 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

D. Fully Automatic Titration System:

- Fully Automatic Titration System for Potentiometric acid base pH titration.
- Can be integrated with Distillation System for online titration, GLP compliant results with titration curve can be documented on a connected printer
- Data stored on USB-memory stick, Titrations to pH, mV - endpoint (2 EP) Titrations to one equivalence point (pH und mV) with dynamic or linear titration addition, Manual titrations with the remote controller,
- Application : Nitrogen according to Kjeldhal, Total acidity, Alkali, FOS/TAC, should be upgradeable for applications like salt content and chloride content in drinking water and other samples. Measuring input electrode pH/mV-input with DIN or BNC socket Temperature: for resistance probes Pt 1000 (socket: 2 x 4 mm).

E. Suitable 5 KVA Stabilizer (Branded)

		F. <u>Inkjet colour printer CISS, 4 colour, 130 series</u>	