

Kerala Agricultural University
College of Climate Change and Environmental Science, Vellanikkara

Ph: 0487- 2438692, E-mail: ccces@kau.in

No. CCC&ES/GL-1/214/2021

Dtd. 30.10.2021

TENDER NOTICE

Sealed superscribed tenders are invited for the “**Supply of Laboratory equipments**” to the College of Climate Change and Environmental Science, KAU Vellanikkara as per the specifications and terms & conditions detailed below.

Last date & Time for receipt of tender : 12.11.2021, 3.00 pm

Date & Time of opening quotation : 12.11.2021, 3.30 pm

Tender Cost : 0.2 % of cost of tender rounded to the nearest multiple of 100 subject to a minimum of Rs.400/- and maximum of Rs.1500/-+GST 12%

Sl no.	Item	Quantity (nos.)
1.	Nitrogen - distillation unit KEL PLUS - Kjeldhal Nitrogen Analyzer, Protein Analyzer, TKN Analyzer - Automatic Distillation System Kjeldhal Automatic Nitrogen Distillation System: DISTYL EM	1
2.	Spectrophotometer <ul style="list-style-type: none">▪ UV-VIS Spectrophotometer Type 108▪ High resolution, reliable, single beam, manual▪ Digital Wavelength with 0.1 nm increments▪ 200 – 900 nm Range▪ 0.5 nm Bandwidth▪ Wide range, low noise Photo multiplier tube (PMT) detector▪ Manual 4 position sample changer▪ Single Position 20/50 mm Cuvette Holder (Optional)	1
3.	Flame photometer <ul style="list-style-type: none">▪ μ Controller Based Flame Photometer Type128▪ Determination upto four elements with single aspiration (Na, K, Li, and Ca)	1

	<ul style="list-style-type: none"> ▪ Minimum sample- 3ml/element ▪ Averaging time- 2 to 15 seconds ▪ Upto five point calibration ▪ Results of a measurement taken earlier can be recalled and displayed (Max. results storage: 700) ▪ 4-line alphanumeric LCD readout for adequate user interfaces ▪ Built-in real time clock for date and time of analysis ▪ Air compressor with built-in air regulator and air filter (SYSTRONICS Model 126) 	
4.	<p>OLYMPUS fully Anti-fungus treated and sealed Binocular Microscope- Model CH20i</p> <ul style="list-style-type: none"> ▪ Illumination Halogen Lamp 6V 20W with SMPS Power supply Board Quadruple revolving nosepiece. ▪ Eyepiece 10X wide field, objectives iNEA 4X, 10X, 40X, 100X (spring oil immersion). ▪ Coaxial mechanical stage, aspherical condenser in rack and pinion, plug type blue filter. Built in rotatable iris diagram. ▪ Microscope body with window in the arm to view objectives in use from rear side. ▪ Coaxial coarse & fine focusing system. Focus tension adjustment ring. ▪ Optional power cable- 5M long 	1
5.	<p>Rotary shaker (with controllable speed up to 250 rpm)</p> <ul style="list-style-type: none"> ▪ The orbital shaker is fitted with PMDC motor and 30 minutes timer ▪ Speed of shaking can be adjusted from 50 to 250 suitable to work on 220 VAC ▪ Platform capacity- 16 flasks of 250 ml ▪ Platform size in cm- 45×45 	1
6.	<p>Digital pH meter with electrode</p> <ul style="list-style-type: none"> ▪ Manual 2 point calibration for pH ▪ Manual Temperature Compensation ▪ pH Range - 0 to 14 , ± 1999 EMF(mV) ▪ Accuracy - ± 0.01 pH, ± 0.1% of Range or ±2 Counts ▪ Temperature Compensation – 0 to 100 °C Manual ▪ Data Presentation – 3 1/2 digit 7 segment LED 	1
7.	<p>Digital conductivity meter with cell</p> <ul style="list-style-type: none"> • Range: 0 µS – 200 mS/cm • Resolution: 0.1µS/cm • Temperature: 0⁰ C – 100⁰ C (Manual) • Readout: 3 ½ digits LED 	1
8.	<p>Soil sample collection</p> <ul style="list-style-type: none"> ▪ Aluminium box (80x50 mm diam x height) ▪ Core sampler (Consists of two cylinder fitted one inside the other, outer core extends at both ends) ▪ Hammer 	20 1 1

9.	Pycnometer (for determination of soil particle density)	5
10.	Glass Beaker, low form with spout 50 ml 100 ml 500 ml 1000 ml	10 10 10 10
11.	Dish, pestle and motor	10
12.	Flask hand grip	1
13.	Volumetric flask with stopper 25 ml 50 ml 100 ml	20 20 20
14.	Variable micropipette 100-1000 μ l 500-5000 μ l	1 1
15.	Spatula stainless steel, grade 202, 150 mm	5
16.	Wash bottle 250 ml	10
17.	PP Measuring bottle with handle 500 ml 1000 ml	6 4
18.	Pipette controller 1-100 ml	1
19.	Pipette Rack Horizontal (12 places)	3
20.	Burette stand	10

Terms and Conditions

1. The tender should be submitted in the prescribed forms which can be downloaded from the website: www.kau.in/tenders.
2. The envelope containing the tender should be superscribed Tender for the ‘**Supply of Laboratory equipments**’ and should be addressed to the DEAN, College of Climate Change and Environmental Science, K.A.U. Post, Thrissur, Kerala – 680656.
3. Each tender should be accompanied by an Earnest Money Deposit (EMD) of 1% of the total cost of the quoted items (subject to minimum of Rs.1,500/-) and Tender Cost as mentioned above by way of Demand Drafts separately drawn in favor of the DEAN, CCC&ES, Vellanikkara payable at the State Bank of India, KAU Campus (Branch Code 70670) along with the Tender Agreement. Late and incomplete tenders and tender without EMD and agreement will not be accepted.
4. The successful tenderer should execute an agreement in Kerala Stamp paper worth Rs.200 (Rupees Two Hundred only) at the time of supply of items and furnish a security deposit of 5% of the equipment quoted in the form of term deposit/bank guarantee/demand draft drawn in favour of DEAN, CCC&ES,Vellanikkara payable at the State Bank of India, KAU campus (Branch Code 70670). Firms who are exempted from payment of EMD should furnish copy of the currently valid certificate from the Store Purchase Department, Govt. of Kerala. The format can be downloaded from the above website.
5. The cost of the items should be inclusive of all taxes for the supply and installation at the site.

6. The exact specifications, details of make, model, name of manufacturer, warranty details etc. of the items must be clearly specified. Copies of the detailed technical literature and illustrated brochures of the units quoted are to be included along with the offer. Details of maintenance service contract offer after expiry of normal warranty, spare parts availability and after-sales-service facilities available should be indicated.
7. Offers shall be made CIF Cochin by airfreight for imported instruments and F.O.R. destination for indigenous items. For imported items, charges for insuring up to final inland destination against all risks including total loss for CIF value plus 10% should be included in the insurance charge. Prices inclusive of ST and other taxes and installation charges may be indicated separately wherever applicable.
8. Price quoted should be valid up to 31/03/2022.
9. The decision of the undersigned in finalizing the tenders shall be final and binding.
10. If any Bandh/Strike/any unexpected holidays occur on the date of opening of tender, the tender will be opened at the same time on the next working day.
11. On acceptance the supply order will be placed and supply and installation should be completed within 15 days from the date of receipt of supply order. The invoice in duplicate should be addressed to the DEAN, CCC&ES, Vellanikkara. The payment will be effected only after satisfactory supply, installation of the items/works at the site, in good condition and necessary demonstration by authorized service personnel. The DEAN, CCC&ES, Vellanikkara reserves the right to remove the defaulted name from the list of suppliers permanently or for a specific period.
12. Tenders insisting payment in advance either full or part for releasing the documents through bank are liable for rejection.
13. List of users giving the exact address of the contract persons and the model number of the units available at these locations, have to be provided. Evidence of exclusive/authorized distributorship from foreign principals should be provided along with the offers for overseas products.
14. The EMD/Security Deposits furnished will be forfeited in case the contract is not fulfilled as per the terms and conditions mentioned in the tender notice and agreement.
15. The Dean CCC&ES, Vellanikkara has the right to accept or reject any or all of the offers without assigning any reason.
16. All the rules and regulation applicable to Government Tenders will be applicable to this tender also.
17. Bank account credentials (Name & branch, Account No. and IFSC Code) to be furnished in the invoice for effecting payment.

Copy to:

1. Notice Board
2. For Local circulation
3. Website

Sd/-

DEAN