



AWS - New

ID No. 2018 - AGRI - 193656-1

Government of Kerala

Openney: - 19/03/2018
Last Date of submm: - 16/03/2018

Department of Agriculture Development and Farmer Welfare

KCPM-19/aws/-17-18

Dated.02.03.2018

TENDER NOTICE

Tender no. with PAC(tender value)
Cost of tender form (original)

: KCPM-19/2017, Rs.3.00 lakhs
: Rs.600/- + 18% GST=708/-

E-Tenders are invited from interested firms for the supply and installation of an Automatic weather Stations in Kuttanad Alappuzha Kerala. The System should have Data Logger and Meteorological Sensors including other accessories. The fully integrated system will only be accepted. The sensors must comply the type, range, accuracy, resolution and operating temperature conditions of the specifications and location. Since, the Data logger, sensors and solar panel will be mounted on a tower/ tripod which should cater for fitments of assemblies for sensors, data logger, solar panel and other accessories. Different sensors as mentioned in specification should be provided with complete accessories i.e. connectors, cable and mounting fixtures. The integration of the sensors with the Data logger will be ensured by the firm. The values must be queried from customised software. Training should be provided to the Kerala Centre for Pest Management Mankomb personnel for the operation and maintenance of the station.

1. Make, Models & Part numbers

It is mandatory to provide make, model and part numbers of all items and their subcomponents as asked in the technical specification. The bid may not be evaluated and/or will be liable for rejection in case of non submission or partial submission of make, model and part numbers of the items bided. Please note that substituting required information by just brand name is not enough.

2. Documentation

Brochures/Manuals/CD/Technical specifications etc. in support of the technical compliance must be submitted.

3. Fixed Price

The bid shall be on a fixed price basis, inclusive of all taxes and levies. No price variation should be asked for relating to increase in price due to probable reasons.

4. Local Service Support

Bidder should have local service centre for service support.

5. Spare parts

The vendor will make the parts for the systems available for a further period of three years on completion of warranty period. If any of the peripherals / components is not available during/after the warranty period, the substitution shall be carried out with peripherals/components of equivalent or higher capacity.

6.Warranty

The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.

The warranty will commence from the date of installation of equipment and acceptance of the same by Kerala Centre for Pest Management Office, Mankomb Alappuzha, at least one year from the date of installation.

7.Specifications:- As mentioned in Annexure-A

Should have the following minimum assemblies

1. Meteorological sensors *ie*, temperature, humidity wind speed direction, solar radiation, rain
2. Data logger
3. Mast for mounting sensors
4. Solar panel
5. SMF Battery with charge controller
6. IP66 weather proof enclosure
7. Software, own server

Data Processing analysis and communication

1. Local Storage Minimum 8 GB
2. Built in Modem for communication
3. Redundancy option (Dual SIM) to ensure the seamless data communication
4. Easy Upgradable to 4G
5. Remote Calibration of data logger
6. Query Data on Request via SMS
7. Options for getting data via SMS to preconfigured numbers
8. Local display (4x20 Character LCD display) minimum
9. Secured data communication.
10. ISO 9001:2015 standard
11. Server Software should be supplied along with solution

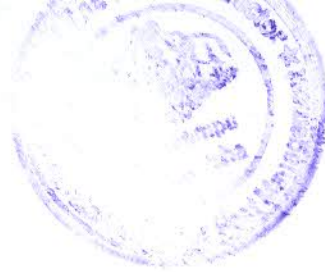
EMD: 2.5% of PAC Max limit Rs.7,500/-

Period of supply: within 7days of receipt of work order and must be completed at the earliest in the location shown by the office staff.

The tenders should be submitted online for the supply and installation of Automated Weather station

Tenders will be opened online and the critical dates can be obtained from the Official website. All the details regarding the tender and details of equipment will be available from our office and also in the website www.etender.kerala.gov.in.

The store purchase rules applicable to the Government tenders are applicable for this tender also.



Designation and Address of the Officer

Project Director (Joint Director –Agriculture)
Kerala Centre for Pest Management
Mankomb, Thekkekkara P O
Mini Civil Station Chambakulam
Alappuzha dist Kerala State

0477 2702683,

Project Director

G. S. S. S.

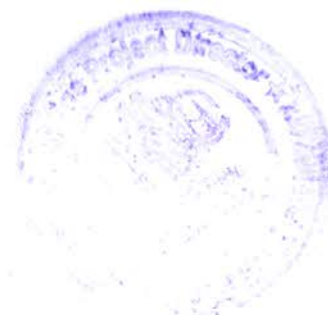
PROJECT DIRECTOR
Kerala Centre for Pest Management
Mancompu, Thekkekkara P.O,
Alappuzha

ANNEXURE – A
SPECIFICATIONS FOR AUTOMATIC WEATHER STATION

I Automatic Weather Station

Model Number		
Sr. No.	Description	
	Automatic Weather Station Parameters: air temperature, humidity, rainfall, wind speed and direction, and barometric pressure, solar radiation	
1	Main Specifications Temperature Sensor Measurement Range: 0 to 100 ^o C Accuracy +/- 0.5 ^o C.	
2	Relative Humidity Sensor: Measurement Range: 0 to 100% RH Accuracy: + 3%	
3	Wind Sensor Speed; Measurement Range: Range : 0 to 150 mph/s	
4	Wind Direction: Range: Mechanical : 0 to 360 ^o	
5	Rain gauge Tipping bucket with magnetic reed switch	
6	Should have selectable output options and storage capacity to suitable range with in- built facility to store data records on SD cards & facility with download the stored data with built-in GSM/GPRS modem. There must be Communication Options such as SMS/EMAIL/HTTP/FTP for periodical transfer of data	
7	Charging System & Power supply Solar panel is required for continuous recharge the batteries. 12 volt, 15Ah minimum, solar panel 12 volt 20 watts minimum.	
8	Compatible and updated software to work on , activating all the sensors to generate the data including update, download and process the collected data in a user friendly manner	
9	Extra sensors for measuring leaf wetness soil moisture and soil temperature	

PROJECT DIRECTOR
Kerala Centre for Pest Management
Mancompu, Thekkkara P.O.
Alappuzha



Annexure B - Covering letter format

Date: _____

Bid Reference No.: _____

To:

The Project Director
Kerala Centre for Pest Management
Mankomb Alappuzha, Thekekara PO
Mini Civil station Chambakkulam
Alappuzha 688503

Dear Sir,

Tender Ref:

Having examined the tender document including all Annexures the receipts of which is hereby duly acknowledged, we, the undersigned, bid to supply, deliver and commission the Automatic Weather Station, in conformity with the said tender in accordance with the Schedule of Prices indicated in the commercial bid and made part of this bid.

We agree to abide by this bid till 60 days from the date of opening of the commercial bid by The Project Director Kerala Centre for Pest Management Mankomb Alappuzha, Mini Civil Station Chambakkulam Thekkekara P O Kerala 688503

If our bid is accepted, we undertake to ship the Automatic Weather Station with in 3 weeks from the Award of Contract.

Until a formal Purchase Order is issued, this bid, together with KCPM's return acceptance thereof shall constitute a binding contract between us.

We understand that KCPM Mankomb is not bound to accept the lowest or any bid without assigning any reason whatsoever.

Dated this _____ day of _____ 2018

Signature: _____

(in the Capacity of:) _____

Duly authorized to sign the bid for and on behalf of

Annexure C – Details of the Vendor

Details filled in this form must be accompanied by sufficient documentary evidence, in order to facilitate to verify the correctness of the information.

S. No	Item	Details
1	Name of Company	
2	Postal Address	
3	Telephone, mobile and Fax numbers	
4	Constitution of the Company	
	Name and designation of the person authorized to make commitments to Kerala Centre for Pest Management Mankomb Alappuzha Kerala	
6	Email Address	
7	Year of commencement of Business	
8	GST Number	
9	Income Tax Number	
10	Whether direct manufacturer or authorized dealer/agent	
11	Name and Address of manufacturer	
12	Location of Manufacturing facility	
13	Brief description of facilities for manufacture, production, inspection, testing and quality assurance	
14	Brief description of after sales service facilities available with the vendor	

PROJECT DIRECTOR
Kerala Centre for Pest Management
Mancompu, Thekkkara P.O.
Alappuzha

Annexure D- Manufacturer's Authorization Form (MAF)



No dated

To,
The Project Director
Kerala Centre for Pest Management Mankomb
Thekkekara P O Mini Civil Station Chambakkulam
Alappuzha Kerala state 688503

Dear Sir,

Tender Reference No.
We who are established and
reputed manufactures of having
factories at and do hereby
authorize M/s. (Name and
Address of Agent/ Dealer) to bid their quotation, negotiate and conclude the contract with
you against the above tender.

We hereby extend out full gurantee and warranty as per terms and conditions of the
tender and the contract for the equipment and service bided against this tender by the
above firm.

Yours faithfully,

(Name)
For and on behalf of

M/s
(Name of Manufactures)

Note:- This letter of authority should be on the letter head of the manufacture(s) and should be signed by the
competent person representing the manufacturer.