

SHRI GURU GOBIND SINGHJI
INSTITUTE OF ENGINEERING & TECHNOLOGY,
VISHNUPURI, NANDED - 431 606



e -TENDER DOCUMENTS

For

Providing and fixing of Agriculture Instrumentation

For

Instrumentation Engineering Department

e-Tender Notice No.

SGGSIE&T/Stores-2813/Agriculture Instrumentation/**Instrumentation**/2018-19 Date **05/04/2018**

e-Tenders available on

Web sites <https://mahatenders.gov.in>

Institute Web site <http://www.sggs.ac.in>

File No. Stores-2813/Agriculture Instrumentation/Instrumentation/2018-19

Price of e-Tender Document Rs. 1,000/-

**SHRI GURU GOBIND SINGHJI
INSTITUTE OF ENGINEERING & TECHNOLOGY,
VISHNUPURI, NANDED. 431 606**

File No. SGGSE&T/Stores-2813/Agriculture Instrumentation/**Instrumentation**/2018-19

Date: **05/04/2018**

NOTICE FOR INVITATION OF e-TENDER

1. The institute invites online tenders/quotations for **providing and fixing of Agriculture Instrumentation for Instrumentation Department** at our institute from **Manufacturers, Authorised Dealers, suppliers** who have registered under Shop Act, CGST/SGST Registration Certificate as **manufacturer / authorised dealers, suppliers of the same material/equipment**; details as per the e-tender notice published in news paper. (**Press note** enclosed here with).
2. The Terms and conditions, which are Govern the contract made on behalf of the institute, are also enclosed.
3. The Tenderers are requested to read the instructions in the e-Tender; Terms and conditions carefully before quoting the rates in quotations / Tender Schedule and comply with the same.
4. The Tenderer should satisfy & comply all the Terms & conditions and instructions, which are mentioned in the e-Tender Notice and in this e-Tender document and there after amendments made if any.
5. The institute reserves the right to delete any item or items or to increase or to decrease the quantity of any item or items from the e-Tender Schedule.
6. All the rights to increase or decrease the quantity of the required item is reserved, the right to cancel any item or items is reserved with the institute.
7. **The right to accept or reject any / or all the tenders/quotations from any or all parties without assigning any reason is reserved.**

**Sd/-
DIRECTOR
Shri Guru Gobind Singhji
Institute of Engg. & Tech.
Vishnupuri, Nanded.**

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.



Press note
SHRI GURU GOBIND SINGHJI
INSTITUTE OF ENGINEERING AND TECHNOLOGY,
VISHNUPURI, NANDED 431 606

File No. SGGsIE&T/Stores-2813/Agriculture Instrumentation/**Instrumentation**/2018-19

Date: **05/04/2018**

e-TENDER NOTICE

Online Tenders / quotations are invited for **providing and fixing of Agriculture Instrumentation for Instrumentation department** of this institute from manufacturers / Authorised Dealers, suppliers those who have registered under Shop Act, CGST/SGST Registration Certificate for required goods. The e-Tender documents containing all detailed **specification of the Equipments & Tender's Terms and conditions** will be available on the web sites <https://mahatenders.gov.in> & <http://www.sggs.ac.in>. Vendors can download and submit their tenders online only from <https://mahatenders.gov.in> **e-tender fees Rs. 1,000/-**.
EMD is Rs. **21,000=00**

The tender EMD and Tender Fees should be paid online using given payment options on mahatenders.gov.in

All tenders should be submitted on or before **online key schedule** & technical bids will be opened on **as per key schedule**.

The right to accept or reject any or all the quotations / tenders from any or all parties without assigning any reason is reserved.

**Sd/-
Director**

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.

File No. SGGSE&T/Stores-2813/Agriculture Instrumentation/**Instrumentation**/2018-19

Date: **05/04/2018**

Tender Schedule : (Key Dates)

Seq. No.		
1	Tender Publishing	05-04-2018
2	Bid Submission Start	05-04-2018
3	Bid Submission End	18-04-2018
4	Technical Bid Opening	23-04-2018
5	Financial Bid Opening	After preparation of Technical summery c

e-TENDERING PROCEDURE

Tender Information:

Tender Forms can be available on the e-Tendering Portal Maharashtra Government i.e. <https://mahatenders.gov.in>.

All vendor/bidder are cautioned that tenders containing any deviation from the contractual terms and conditions, specifications or other requirements and conditional tenders will be treated as nonresponsive. The tenderer should clearly mention in forwarding letter that his offer (in envelope No. 1& 2) does not contain any conditions, deviations from terms and conditions stipulated in the tender.

Vendor/bidder should have valid Class II / III Digital Signature Certificate (DSC) obtained from any Certifying Authorities. In case of requirement of DSC, interested Bidders should go to <http://maharashtra.etenders.in/mah/DigitalCerti.asp> and follow the procedure mentioned in the document 'Procedure for application of Digital Certificate'.

Vendor/bidder should install the Mandatory Components available on the Home Page of <https://mahatenders.gov.in> under the section 'Mandatory Components' and make the necessary Browser Settings provided under section 'Internet Explorer Settings'

Guidelines to Bidders on the operations of Electronic Tendering System on <https://mahatenders.gov.in>

**SHRI GURU GOBIND SINGHJI
INSTITUTE OF ENGINEERING & TECHNOLOGY,
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File No. SGGSE&T/Stores-2813/Agriculture Instrumentation/**Instrumentation**/2018-19

Date: **05/04/2018**

INSTRUCTIONS TO TENDERERS

1. The Tenderer should submit quotations / Tenders in online sealed envelope. Please note No EMD exemption will be considered and all interested bidder have to pay **EMD Rs. 21,000=00** by online payment gateway
2. We are giving here with Tender Schedule with **specifications of the providing and fixing of Agriculture Instrumentation for Instrumentation Department of the institute. Your quoted goods/material & accessories/allied components should be strictly as per our specifications**, and should be given with detailed specifications in writing on your letter head **along with catalogue.**
3. **Tenders / Quotations received late will not be considered.**
- 4 Online super scribed **“Quotation for providing and fixing of Agriculture Instrumentation for Instrumentation Department”**
- 5 The Technical Bids will be opened and scrutinized online as per key dates, technically qualified vendors price bid will get opened as per online schedule.
- 6 All the terms and conditions are enclosed herewith.
- 7 The Tenders / quotations should be strictly **as per the G.R. of Maharashtra Govt.** for two Bid systems, bidder should quote rate as per the specification provided by Tender calling authority.
- 8 Procedure for submission of quotations: -
Tenderer should note that they will have to submit as per online envelops
- 9 **a) ENVELOPE No. 1 [TECHNICAL TENDER ENVELOPE / TECHNICAL BID]:** The first Envelope is T1 ie **“ENVELOPE No. 1” for providing and fixing of Agriculture Instrumentation for Instrumentation Department”** shall be consisting of the following documents.
 - i) The attested copies of the Registrations under Shop Act and CGST/SGST Registration Certificate; Registration should be attached along with Envelope No. 1.
 - ii) The statement as per above clause No.8 in following format.

Specifications as per Tender Notice	Acceptance of full filling specifications
1	2

iii) CGST/SGST Registration No. [attested copy] should be attached with the technical bid. [Envelope No.1].

iv) Original manufacturers certificate as they are manufacturing the quoted equipments.

v) Authorised Dealership Certificate from manufacturer. If necessary

vi) Income Tax Returns “SARAL” certificate.

b) ENVELOPE No. 2 [Commercial Bid / envelope for Rates]: -

Its available with tender document in excel format i.e. BOQ.

Tenderer should fill and upload online only given BOQ

10 **The Tenderer should note that in case Envelope No. 1 does not full fill any requirement like tender fees, EMD, registration of Shop under Shop Act and CGST/SGST Registration No. Authorisation from Manufacturer or any documents required as per technical bid the Envelope No. 2 will not be opened and the offered quotation will be liable for rejection.**

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.

11 The tenderer should **quote the rates on quotation/our enclosed Tender schedule duly signed online with valid digital certificate.** Vendors should not quote the rates anywhere directly or indirectly in Envelope No. 1.

12 If there is any correction in quotation, it is allowed at bid preparation stage only, once time for bid preparation is over no corrections will be allowed.

13 Tenderer must follow all instructions, terms and conditions. If he fails to follow any of the conditions, and instructions, his / her Tender / Quotation are to be liable for rejection.

14 Tenderer, whose Offer is found to be the best as per clause No. 1 & as per our specifications, will be informed about the same, He will have to deposit 5% amount of total quantity as Security Deposit (S.D.); after receipt of S.D. orders will be placed.

15 If the Tenderer is manufacturer or authorised dealer and the item is the PROPRIETARY item then they should furnish the “PROPRIETARY ITEM CERTIFICATE” along with the quotation /Tender.

Sd/-
DIRECTOR
SGGSIE&T NANDED

**SHRI GURU GOBIND SHINGHJI INSTITUTE OF ENGINEERING & TECHNOLOGY,
VISHNUPURI, NANDED. 431 606**

File No. SGGsIE&T/Stores-2813/Agriculture Instrumentation/**Instrumentation**/2018-19

Date: **05/04/2018**

TERMS AND CONDITIONS

1. The rates should be quoted online as F.O.R. Destination at our **Vishnupuri, Nanded.**
2. CGST/SGST if any tax, Levis, Freight, Packing, Forwarding and Insurance Charges etc. etc. that must be incorporated in quoted amount.
3. No additional amount will be considered or paid excluding rates quoted by bidder.
4. The validity period for the rates offered should be clearly mentioned and it should be minimum 180 days from the date of opening of a items quoted should be confirms our specification, in addition, please furnish your detailed specifications against each item, the relevant catalogue/pamphlet should be necessary to accompany with the quotations; if any deviations in the specifications then please submit the statement duly signed as mentioned in "Instructions to Tenderer", clause No.8 and clause No. 9 (iv).
5. The delivery period should be clearly stated.
 - a) Liquidated Damages: Firm should have to quote the delivery period clearly from the date of receipt of order or confirmed order.
 - b) If supplier fails to supply the ordered material within the scheduled delivery period, for late delivery of goods we will entitled to recover the liquidated damages as a sum equal to ½ percent of the price of stores delivered late per week.
6. Extension of Delivery period: The delivery period as mentioned in purchase order may be extended.
 - i) If the completion of supply of goods/components/equipments/etc is Delayed due to reasons such as act of God, act of Public enemy, Wars, Act of Government, Fires, Floods, Epidemics, Quarantine, Restrictions, Strikes and Freight embargoes the delivery period may be extended.
 - ii) Supplier will have to give notice within 10 days to this institute in writing of his claim for an extension of the delivery period. After receipt of such notice and verification; if necessary the delivery period will be extended but without prejudice to other terms and conditions of the purchase order and Tender notice/Tender document's conditions.
 - iii) If supplier has delivered material even after expiry of extended delivery period then we will be entitled to recover the liquidated damages.
7. The instructions manual for each equipment/components/machinery/material should be supplied separately with each item/s supplied.
8. Supplier's Technician/Engineer on free of cost must carry out the demonstration and installation at our site.
9. The institute reserves the right to accept any/all quotations, reject any/all quotations and to order any of the item/s in any quantity without assigning any reason.
 - a) The institute reserves the right with itself to delete any item/s from Tender Enquiry.
10. The items will be checked at the institute and acceptance is subject to the approval of the institute.
11. If the supply of goods/equipments/material or any part there of is rejected by the institute, the supplier will have to bear all expenses incurred in the matter including all charges for return and replacement of the items. The rejected material/ equipments/parts of equipments should be got it back by supplier on their own cost.

12. PAYMENT CONDITION:-

[Send Your Bank Details i. e. name of Bank, IFSC code, mobile number etc]

*** For equipments and instruments/components etc those items are required to installed and demonstrated at this institute:**

I. 90% payment on demonstration of satisfactory working and installation of instruments/equipments/goods/components and balance 10% after 30 days for balance 10% payment firm has to submit separate bill/invoice.

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.

* **For the items those need not to install and demonstrate at this institute:**

- II.** 100% payment will be released after receipt of material in good condition and approved by this institute.
13. Inspection of Goods: - The ordered equipments/goods/instruments will be inspected if required by our representative at your workshop/show room before despatch of goods.
- a) The supplier should inform the date of inspection in advance by 10 days.
- b) The supplier will have to provide free lodging and boarding facilities to our representative who would carry out inspection.
14. The equipments should be guaranteed for minimum one year from the date of installation of the goods.
15. The repairs within the guarantee period must be carried out at own cost of supplier.
16. If any damages in transit, that should be repaired / or equipments should be replaced by the supplier of their own cost.
17. The gate pass of excise duty must be supplied in duplicate.
18. Demurrage: - If any demurrage will be charged due to any delay any other reasons from supplier; then the same should be beard by supplier or it can be deducted from their final payment.
19. Mode of Despatches: - Equipments/Stores/Components/Machineries should be despatched by Railway or Road Transport as per availability of facilities. The road transporters office / Godown must be available at Nanded City. A copy of the invoice / bill and packing list should invariably be kept inside each of the packages.
20. The package should be marked as follows
- I) Consignee: - Director, S.G.G.S. Institute of Engg. and Tech., VISHNUPURI, NANDED – 431 606 (MAHARASHTRA)
- II) Purchase Order No. _____ Date _____ Department. _____ R.R. /L.R. No. _____ Number of cases/packages _____ S.G.G.S. Institute of Engineering and Technology, VISHNUPURI, NANDED (M.S.) Destination: Nanded.
21. Cancellation of purchase orders: - institute reserves the right to cancel the purchase orders on following grounds.
- a) If supplier fails to supply the goods/equipments/machinery/components within the delivery period without confirmation of extension of the period from the institute or without obtaining the permission for extension of delivery period.
- b) If the supplier fails to supply the goods within extended delivery period.
- c) If supplier fails to follow the terms & conditions and instructions as mentioned in the tender documents or conditions mentioned in purchase orders.
- d) If supplier found defaulter.
22. The institute has reserves the right to place an order for any party who is ready to supply on lowest rate for the items cancelled the order as above clause 21, and institute has reserves the right to place an order on 2nd lowest rate if any supplier not ready to supply on 1st lowest rate for items which order cancelled (which was placed on 1st lowest but party fails to supply).
- 23. Security Deposit:** - Successful tenderer will be informed that their quotation/Tender rates are acceptable to us, such Tenderer should deposit the **5% value** of the equipments/order value; in form of Demand Draft/Bank Guarantee in favour of Director, S.G.G.S.I.E.& T., Nanded, payable at State Bank of India, main branch, Vazirabad, Nanded or any Nationalised Bank at Nanded. The Security Deposit will be refundable after completion of 1 year from the date of complete payment of ordered items.
- 24. Exemption from security Deposit:** - The following tenderer s are exempted from the payment of Security Deposit
- I. If the Tenderer has produced a certificate from the Director of Supplies & Disposal, Bombay to affect that they are exempted from payment of Security Deposit.

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.

1. The Security Deposit is liable to be forfeited in the event of non-fulfilment of terms and conditions by the tenderer.

a) If any stores, equipment/all equipments or any parts of equipment Is/are damaged in transit, and not replaced by supplier within stipulated period as notified by institute. We will recover the damages and applicable expenditure will be deducted from balance payment of supplier or from Security Deposit; or Security Deposit will be forfeited.

25. All the replacement of stores/equipments shall also be guaranteed for a period of 12 month from the date of installation and demonstration.

26. If any short supply is found at the time of verification/inspection of material/checking of material on its receipt, the supplier will have to supply the material within 15 days. Non-compliance of the order will compel institute to recover the cost from balance payment.

27. Repeat order:- If necessary/any equipment/stores is required in additional number, the repeat order will be placed on previous purchase order. The supplier should have to supply the equipment/s, stores as per the previous rates.

28. Training: - If we required training facility to our representative/staffs the supplier should have to provide training facility on free of cost.

29. The origin of stores offered whether Indian or foreign and in the case of the former State in which it is manufactured should be clearly stated against each article/equipment.

30. IMPORTED EQUIPMENTS: -

a) If any tenderer is going to quote the imported equipments, he should quote the rates in Indian currency (Rupees), and he should note that, if the item finalised to purchase they should supply at our door delivery and payment will be made in Rupees only.

b) If such equipments are in foreign currency and agent/or manufacturer/dealer has quoted the equipments. The Tenderer should have to quote the rates, all charges, Freight, Insurance clearly. F.O.R. VISHNUPURI site; If finalised to purchase the imported equipments, he should do the all Import formalities; and must be followed all other conditions of Tender Notice/documents and purchase orders; and the tenderer has to supply at our site.

31. **Rate Contract:** - If the item/s is/are covered under DGS&D Rate contract, the tenderer should quote DGS&D Rate contract number, furnish the copy of the Rate contract and other relevant particulars.

32. **Disputes:** - If any disputes or differences, questions what so ever arises the same subject to Nanded Jurisdiction.

Sd/-
DIRECTOR
S.G.G.S.I.E. & T., Nanded

Encl. Tender schedule

**SHRI GURU GOBIND SINGHJI
INSTITUTE OF ENGINEERING & TECHNOLOGY,
VISHNUPURI, NANDED. 431 606**

e-TENDER SCHEDULE

File No. SGGSE&T/Stores-2813/Agriculture Instrumentation/**Instrumentation**/2018-19

Date: **05/04/2018**

Dept.: Instrumentation.

File No. Stores-2813/Agriculture Instrumentation/Instrumentation/2017-18

Name of the Head of Stores: Equipments/**Non – Recurring** [Dead Stock]/ **Recurring**

Note: Please read carefully all instructions, required specifications, Terms & conditions before quoting the rates.

Sr. No.	Name of the Equipment & Technical Specification of the equipment	Req. Qty.	Rate	Remark/ Make		
01	<p><u>Drip Sprinkler Irrigation system:</u> Suitable and economically viable system to deliver a measured quantity of water at the root zone of each plant at regular intervals. This is to ensure that the plants do not suffer from stress or strain of less and over watering. Drip Irrigation method, also called drop by drop irrigation, and underground irrigation, functions as its name imply. Drop by drop, water is distributed to the active root zone of plants. This method, if managed properly, might be the most water-supply-efficient way of irrigation, because runoff and evaporation reduced significantly. Drip irrigation in today's agriculture, is frequently integrated with plastic sheet, further diminishing evaporation, and is also a method of fertilizers delivery to the plants. This process called fertigation (fertilizer + irrigation). Latest drip irrigation technology called hydro-pc, guarantee a wide, efficient labyrinth leading the water into a flow control cell, where a special diaphragm compensate the stream, and keeps a stable flow rate at changeable inlet pressures. IG hydro-pc drip line is highly resistant to clogging. The dripper inlet filter, located closer to the tube center, guarantees an excellent constant flushing treatment. A complete set for sprinkler drip irrigation for area 2000 sqft with all accessories providing and installation.</p>	1 Set	Rate Quote for 1 set			
02	<p><u>Green House System:</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> Galvanized Steel Construction. Special Aluminum locking and fastening profile for covering material. Designed to withstand wind speed of 140 Kmph, Snow, hail, storm, heat & cold. Bears, hanging load 25 - 30 Kg per Sq. Mt. Natural Roof and side wall ventilation system. UV stabilized covering materials of Polyethylene / Polycarbonate / Acrylic. Cellulose Cooling Pad and Exhaust Fan System. Heating system in cold climate. CO2 Generator. Shading / Thermal Net Trellising system for vegetable. Trestles system for flowers. Easy to assemble & disassemble. Complete structure is assembled with Nut-bolts. No welding is required. </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> CO2 Generator. Control System - Manual / Semi Automatic / Automatic. Fully Computerized / Weather Station. Planting material, soil media. Yield increases by 5 - 15 times or even more. Less fertilizer requirement, thus reduction in fertilizer cost. Low water requirement thus saving in water. Less chances of disease attack, thus reduction in disease control cost. Higher Efficiency of Water & Fertilizer Use. Cultivation in problematic topography. Cultivation in problematic soil conditions. Cultivation in problematic climate conditions. Requires less area to get ax yield and benefits. Easy to operate, maintain & control. Starting and closing of Micro Irrigation System. Application of Liquid Fertilizer or Water </td> </tr> </table>	<ul style="list-style-type: none"> Galvanized Steel Construction. Special Aluminum locking and fastening profile for covering material. Designed to withstand wind speed of 140 Kmph, Snow, hail, storm, heat & cold. Bears, hanging load 25 - 30 Kg per Sq. Mt. Natural Roof and side wall ventilation system. UV stabilized covering materials of Polyethylene / Polycarbonate / Acrylic. Cellulose Cooling Pad and Exhaust Fan System. Heating system in cold climate. CO2 Generator. Shading / Thermal Net Trellising system for vegetable. Trestles system for flowers. Easy to assemble & disassemble. Complete structure is assembled with Nut-bolts. No welding is required. 	<ul style="list-style-type: none"> CO2 Generator. Control System - Manual / Semi Automatic / Automatic. Fully Computerized / Weather Station. Planting material, soil media. Yield increases by 5 - 15 times or even more. Less fertilizer requirement, thus reduction in fertilizer cost. Low water requirement thus saving in water. Less chances of disease attack, thus reduction in disease control cost. Higher Efficiency of Water & Fertilizer Use. Cultivation in problematic topography. Cultivation in problematic soil conditions. Cultivation in problematic climate conditions. Requires less area to get ax yield and benefits. Easy to operate, maintain & control. Starting and closing of Micro Irrigation System. Application of Liquid Fertilizer or Water 	200 sqf	Rate Quote for 200 sqf	
<ul style="list-style-type: none"> Galvanized Steel Construction. Special Aluminum locking and fastening profile for covering material. Designed to withstand wind speed of 140 Kmph, Snow, hail, storm, heat & cold. Bears, hanging load 25 - 30 Kg per Sq. Mt. Natural Roof and side wall ventilation system. UV stabilized covering materials of Polyethylene / Polycarbonate / Acrylic. Cellulose Cooling Pad and Exhaust Fan System. Heating system in cold climate. CO2 Generator. Shading / Thermal Net Trellising system for vegetable. Trestles system for flowers. Easy to assemble & disassemble. Complete structure is assembled with Nut-bolts. No welding is required. 	<ul style="list-style-type: none"> CO2 Generator. Control System - Manual / Semi Automatic / Automatic. Fully Computerized / Weather Station. Planting material, soil media. Yield increases by 5 - 15 times or even more. Less fertilizer requirement, thus reduction in fertilizer cost. Low water requirement thus saving in water. Less chances of disease attack, thus reduction in disease control cost. Higher Efficiency of Water & Fertilizer Use. Cultivation in problematic topography. Cultivation in problematic soil conditions. Cultivation in problematic climate conditions. Requires less area to get ax yield and benefits. Easy to operate, maintain & control. Starting and closing of Micro Irrigation System. Application of Liquid Fertilizer or Water 					

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.

	<ul style="list-style-type: none"> Green House G.I. structure. Covering material-UV stabilized Polyethylene / Polycarbonate / Acrylic. Root Ventilation & Side wall roll up curtains. Cooling pad and Fan System. Shading / Thermal net Manually / motorized. Micro Irrigation System. Fertigation System Misting System. Heating System. 	<p>Soluble Fertilizer (N:P:K) and other Nutrients to the plant.</p> <ul style="list-style-type: none"> Operation of Misting System as required. Opening and closing of ventilators and side wall roll up curtains as needed. Operation of shading net / Thermal screen. Operation of cooling pad and fan. Operation of heating system. Operation of CO2 Generator, Climate Control, Temperature, Humidity, Heat Radiation, Control of EC, PH, PPM level in irrigation water etc. as required to the plant. 																		
03	<p><u>Water Tank:</u> Water Tank (2000 Ltr) with Pump, Level detector and various water sources.</p>		01 Nos	Rate Quote 1 Nos																
04	<p><u>Sensors:</u> a) Humidity b) Temperature c) Soil Moisture d) Light e) Intensity f) Carbon Dioxide g) Leaf Sensors</p>		05 Nos	Rate should be quote for 1 nos. But approx quantity is 05 Nos																
05	<p><u>Solar Panel for 2000Sqft Area Drip Sprinkler Irrigation:</u> 1. It makes irrigation possible in remote areas 2. Is environment friendly 3. No grid connection required 4. No electricity bills to be paid 5. No fuel required 6. Is durable, requiring minimal maintenance</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="5">Specifications</th> </tr> <tr> <th>AC pump HP</th> <th>Volts</th> <th>Controller</th> <th>Solar panel (watt-peak)</th> <th>Battery capacity</th> </tr> </thead> <tbody> <tr> <td>1HP</td> <td>60</td> <td>4kVA</td> <td>1500Wp</td> <td>100Ah - 5 Nos.</td> </tr> </tbody> </table>	Specifications					AC pump HP	Volts	Controller	Solar panel (watt-peak)	Battery capacity	1HP	60	4kVA	1500Wp	100Ah - 5 Nos.		01 Nos	Rate Quote 1 Nos	
Specifications																				
AC pump HP	Volts	Controller	Solar panel (watt-peak)	Battery capacity																
1HP	60	4kVA	1500Wp	100Ah - 5 Nos.																
06	<p><u>NI (National Instruments) based Interfacing Cards and Cables.</u></p>		01 Nos	Rate Quote 1 Nos																
07	<p><u>Actuators:</u>(NI Based a) Motors, b)Solenoid Valves c)Fogger d)Fan e)Cooling Pad, F)Heater.)</p>		05 Nos	Rate should be quote for 1 nos. But approx quantity is 5 Nos																
08	<p><u>Automated Weather Monitoring System:</u> Weather Monitoring System is a wireless and Solar operated system which is designed to Monitor the environmental conditions. The combination of deferent sensors embedded in a single package allows to measure various parameters like wind speed, wind Direction, solar radiations, relative humidity, temperature, rain fall, atmospheric</p>		01 Nos	Rate Quote 1 Nos																

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.

	<p>Pressure, soil properties, CO₂, NO₂ and O₂ in air, etc. System comes with user Interactive software; all the parameters of different sensors can be displayed on Software window.</p> <p><input checked="" type="checkbox"/> 1. Wireless transmission of data <input checked="" type="checkbox"/> Solar operated <input checked="" type="checkbox"/> Modular design</p> <p><input checked="" type="checkbox"/> Low power consumption <input checked="" type="checkbox"/> Data Logging Facility <input checked="" type="checkbox"/> Software monitoring</p> <p><input checked="" type="checkbox"/> Low Maintenance Technical Specifications Included t of sensors</p> <p><input checked="" type="checkbox"/> Solar Radiation Sensor <input checked="" type="checkbox"/> Wind speed sensor <input checked="" type="checkbox"/> Wind Direction sensor</p> <p><input checked="" type="checkbox"/> Humidity Sensor <input checked="" type="checkbox"/> Temperature Sensor <input checked="" type="checkbox"/> Rain Fall Sensor</p> <p><input checked="" type="checkbox"/> Barometric Pressure Sensor</p> <p><u>Solar Panel</u> Type: Polycrystalline Wattage: 100W Voc: 21V DC Vm : 18V DC</p> <p><u>Battery</u> Type: VRLA Voltage: 12V DC Solar Charge Controller Rating: 10 A Voltage: 12V Topology: PWM Charge Controller</p>			
09	<p><u>RF Transmitter and Receiver (Microcontroller Based): (National Instrument Based)</u> Range in open space(Standard Conditions) : 100 Meters RX Receiver Frequency : 433 MHz RX Typical Sensitivity : 105 Dbm RX Supply Current : 3.5 mA RX IF Frequency : 1MHz Low Power Consumption Easy For Application RX Operating Voltage : 5V TX Frequency Range : 433.92 MHz TX Supply Voltage : 3V ~ 6V TX Out Put Power : 4 ~ 12 Dbm</p>	05 Nos	<p>Rate should be quote for 1 nos. But approx quantity is 5 Nos</p>	
10	<p><u>UPS Invertors: (5KVA, DC230V with Batteries)</u></p>	01 Nos	<p>Rate Quote 1 Nos</p>	
11	<p><u>Laptop with Laser Printer:</u> Processor Description Processor: Intel Core i3-4030U Speed : 1.9 GHz, Cache: 3MB Memory RAM: 4GB, DDR3 Inbuilt HDD: 1TB, Speed (RPM) 5400 Intel HD Graphics Operating System OS: Windows 8.1</p>	01 Nos	<p>Rate Quote 1 Nos</p>	

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.

12	Printer: 600 x 600 dpi with HD Resolution Enhancement technology (REt). 1200 dpi effective output quality (600 x 600 x 2 dpi with HP Resolution Enhancement technology)	01 Nos	Rate Quote 1 Nos	
13	Hand Camera: 24-megapixel photos and 1080p Full HD videos with tack-sharp details, vibrant colors and softly blurred backgrounds. With its included zoom lens, the new ultra-compact AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR II, light HDSLR and easy to use, photos can appear instantly on your compatible Smartphone or tablet for easy sharing with the optional WU-1a Wireless Adapter. Whether you're creating high-resolution panoramas, adding artistic special effects or recording HD video with sound, 5 frames per second, Compressed 12-bit NEF(RAW) JPEG: JPEG-Baseline Compliant with Fine (approx 1:4), Normal (approx 1:8) or Basic(approx 1:16) Compression NEF (RAW) + JPEG: Single Photograph Recorded in both NEF (RAW) and JPEG Formats, Effective picture angle 1.5x (Approx), Viewfinder Frame Coverage- 95% horizontal (Approx.) Viewfinder Magnification-0.85x (Approx.) Lens Aperture Instant-return type, AF-S Lens Required for Autofocus, AF NIKKOR for F3AF not supported. AF-S, AF-I: All Functions Supported. AI-P NIKKOR: All Functions supported except autofocus and 3D Color Matrix Metering II. Electronic rangefinder can be used if Maximum Aperture is f/5.6 or Faster. IX NIKKOR lenses cannot be used. Non-CPU: Autofocus not supported. Can be used in mode M, but exposure meter does not function. Other AF NIKKOR: All Functions Supported Except autofocus and 3D Color Matrix Metering Type G or D AF NIKKOR: All Functions Supported except Autofocus. Type D PC: All Functions Supported Autofocus and some Shooting Modes	01 Nos	Rate Quote 1 Nos	

I / we agree to the all above terms and conditions of Tender documents and required specification of the items as per above tender schedule of the **e-Tender notice No.SGGSIE&T/Stores-2813/Agriculture Instrumentation/Instrumentation/2018-19 Date 05/04/2018**

Name of the firm:-

Seal of the firm:

Signature of Tenderer: _____
 Quotation no.: _____
 Date: _____

Details of Certificate & documents attached [pl. mark as√]

1. Shop Act Registration
2. CGST/SGST Registration No.
3. Format No. 3 & 4 "List of Users, Proforma for performance of bidder" for as per Tender document.
4. Copy of Income Tax returns.
5. Manufacturer's should certify that the items quoted are manufactured by them only.
6. Authorized dealership certificate
7. **EMD is Rs. 21,000=00 need to be paid online and receipt should be uploaded.**

File no. No. SGGSIE&T/Stores-2813/Agriculture Instrumentation/Instrumentation/2018-19

INSTRUCTION TO BIDDERS e-Tendering

(To be printed on the letter head of the firm)

FORMAT3

No.
Date.

LIST OF USER

List of users other than this Department (other than DTE) for verifying the quality of the equipment being supplied and after sales service rendered by the manufacturer.

Name of Item:-

Model No.

Sr, No.	Name and Address of the User	Contract person	Contract no, mobile no and e-mail address of the contract person	Purchase order no with date	Quantity Purchased	Any Complaints/queries court matter etc in this regard?

Signature of Manufacturer/Bidder with a Seal

e-Tender documents for Providing and fixing of Agriculture Instrumentation for Instrumentation Department.

INSTRUCTION TO BIDDERS e-Tendering

FORMAT 4

PROFORMA FOR PERFORMANCE OF BIDDER (To be given by other customers of the bidders) (5 separate such certificates are to be produced.)

Certified that performance of the equipment supplied and after sales service provided by M/s.

_____ for last 3 Years is as given below:-

Sr. No.	Name of Equipment	Supply Order No. & Date for 3 recent Years	Date of Delivery	No. of failures during warranty period (Please Give details)	No. of failures after expiry of warranty period (Please Give details)	After sales service provided by supplier ** Unsatisfactory /Satisfactory/Good	Remark Please attach service reports of the supplier
1	2	3	4	5	6	7	8

Signature of Manufacturer/Bidder with a Seal