



राष्ट्रीय अंगूर अनुसंधान केन्द्र (भारतीय कृषि अनुसंधान परिषद)



डाक पेटी नं. 3, मांजरी फार्म डाकघर, सोलापूर रोड, पुणे – 412307, भारत
NATIONAL RESEARCH CENTRE FOR GRAPES
(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)
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F. No. NRCG / 5(393) / 2012 – Stores

Date: 07.12.2012

To,

Sub: - Purchase of Soil Moisture Monitoring System

Dear Sir,

We have a requirement of the **Soil Moisture Monitoring System**, tender/ quotation/ job work for which will be opened at _____ – _____ hrs on **31.12.2012** (date) and you are invited to submit your most competitive quotation for the same. All the relevant details are given below:

Description of the goods required and the required quantity:

As enclosed in annexure – 1.

1. Guiding specification and other technical details :

As enclosed in annexure – 2.

2. Terms of delivery :

Delivery at site, viz. **National Research Centre for Grapes, Pune.**

3. Delivery period for goods :

Within **7 days** from the date of issue the supply order.

Price structure:

- a. The quotation shall quote for the complete requirement of goods and for the full quantity as shown against a serial number in the List of Requirements in Annexure – 1. Unless otherwise specified in Annexure – 1, the quotation are, however, free not to quote against all the serial numbers mentioned in the List of Requirements (in case there are more than one serial number in the List of Requirements.).
 - b. All duties, taxes and levies payable by the supplier included in the quoted price. The purchaser will not pay any such duties, taxes and levies separately.
4. Receipts of goods & Terms of payment :
- a. Payment term for supply of goods,
Immediately on receiving the goods at site, the purchaser will verify the quantities of the items supplied as specified in the delivery challan of the supplier and also check for any superficial damage etc. in the goods so supplied and issue a provisional receipt accordingly. The supplier will its invoice along with the purchaser's acceptance certificate and other accompanying documents to the paying authority for payment.

The paying authority will release the full payment to the supplier as due in terms of the contract, within seven working days of receipt of supplier's invoice, purchaser's receipt certificate and other accompanying documents, provided the same are in order.

- b. The supplier shall at all times indemnify the purchaser, at no cost to the purchaser, against all third party claims of infringement of patent, trademark or industrial design. The quotation / offer shall remain valid for acceptance for a period **not less than 180 days** after the specified date of opening of the offers.

- i. The quotations shall be sealed in an envelope. The envelope shall be addressed to the purchaser and it should also bear the quotation enquiry No. and the words **“DO NOT OPEN BEFORE 31.12.2012*** (* The time and date of opening of the tenders). This envelope should then be put inside another envelope, which will also be duly sealed. The outer envelope will bear the full address of the purchaser. The supplier must ensure that the quotation), duly sealed as above, reaches the purchaser at least one hour before the time and date of opening of quotation. The supplier may, all its choice, send the quotation by registered Post or by speed post. Alternatively, the supplier may also hand deliver the tender to the purchaser in which case the purchaser shall give the supplier a receipt, indicating the time & date of receipt of the tender.
- ii. The quotation , which are received late by the purchaser will be ignored. Further, the purchaser does not accept any liability and responsibility for the quotation in case the same are not properly sealed & marked and / or sent as above.
- iii. The quotation, which are received on time (as per Para 3 above), will be opened at purchaser's office at _____ hours on _____ (date). The purchaser will open the quotation in the presence of the duly authorized representatives, who choose to attend the quotation opening.
- iv. The purchaser will evaluate and compare the quotations which are substantially responsive i.e. which are properly prepared & signed and meet the required terms, conditions, specifications etc. The purchaser will award the contract to the supplier whose quotation will be determined to be responsive and offering the best evaluated price.
- v. Notwithstanding the above, the purchaser reserves the right to accept or reject any quotation and reject all quotations at any time prior to award of the contract, without assigning any reason, whatsoever, and without incurring any liability or obligation, whatsoever, to the affected quotation.
- vi. Please submit your quotation accordingly. You shall sign all the pages of your quotation. Your price quotation may be furnished in the format enclosed as Annexure – 3. You are also required to return this original quotation enquiry (all the pages), as it is, duly signed by you on every page, for our record. You may retain a photocopy of this quotation enquiry for your record.

Enclosure: Annexure 1, 2 & 3.

(S.M. Sahare)

Administrative Officer

(Signature of the Purchaser)

Address: National Research Centre for Grapes, Pune.

Tel: +91-20-26956000 (EPABX), Fax: +91-20-26956099

LIST OF REQUIRMENTS

Soil Moisture Monitoring System:-

Measure Soil Moisture at unlimited number of locations (Through Access Tubes) and to any root depth upto 1.5m. The equipment should be able to measure soil moisture content at 15 cm intervals in soil upto 1.5 m depth. The instrument could be used for unattended logging at site as well as single measurements through access tubes. Should be able to take Continuous Soil moisture readings from the surface to any depth in percent. The equipment should be able to measure in Black cotton soil with upto 50% clay content having swelling and shrinkage properties and is saline in nature.

Quote for individual soil moisture system with required number of sensors and datalogger for unattended and normal operations. Two (2) numbers of equipments are required, but could vary depending upon the total quote. Quote Separately for datalogger for individual system for point logging.

Accuracy $\pm 1\%$ or better

All readings in digital (a large Liquid Crystal Display), and in % soil moisture by volume (0 to 100%).

Should be easy to calibrate in calibration mode built – in with the system. Calibration Tube should be supplied with the system.

Datalogger for unattended logging: Data Logger should be portable, rugged, battery powered, versatile and IP 65 rated. The data should be accessed easily either through a real – time report or through a log of recorded data. Maximums, minimums and averages shall also be obtained from the data using most spreadsheet programs. All data loggers should contain real time clock that date and time stamps each record. All data collected by the data recorder should easily be transferred to a disk file for future analysis and storage.

The equipment for inserting the access tubes in soil to be quoted.

Demonstration to be provided for inserting access tube in soil and measurements in the field at different depths.

The access tubes to be supplied should be for 50 recording sites (Quote separately).

All accessories required for operation of the instrument along with spare parts to be quoted.

Installation, training and Demonstration at site to be provided.

Warranty – One Year

ISO certificate of the manufacturer

Brochure mentioning detailed technical specification should be enclosed with the quotation.

List of users since last five years to be provided.

Special Instructions (if any): -

*** The Tender Enquiry duly completed in all respect along with EMD at 3 % (Three Percent) of the value of goods in the form of A/C. payee Demand Draft drawn in favour of “ICAR – Unit, NRC for Grapes,” Pune should reach this office on or before 31.12.2012.**

**SPECIFICATIONS & OTHER TECHNICAL DETAILS
OF THE ITEMS AND SERVICES (SHOWN IN ANNEXURE – 1)**

Format of Price Quotation

Sr. No.	Description of Goods & Allied Services	Specifications	Accounting Unit	Quantity	Quoted Unit Price in Rupees		Total Amount in Rupees
					In Figures	In Words	

Grand Total Cost: Rs._____