



भा.कृ.अनु.प-केन्द्रीय रोपण फसल अनुसंधान संस्थान
अनुसंधान केन्द्र, मोहितनगर, जलपाईगुडि 735 102, प. बंगाल
ICAR-CENTRAL PLANTATION CROPS RESEARCH INSTITUTE
Research Centre, Mohitnagar, Jalpaiguri-735102, W.B.

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फ.स.एफ-5(10)/2015 /Stores

दिनांक- 17-11-2014

सेवा मे,

M/s.....

विषय: Sub: Quotation for Lab equipments -regarding

महोदय / Sir,

Sealed quotations are invited for supply of laboratory equipments at CPCRI, Research Centre Mohitnagar, Jalpaiguri, W.B.

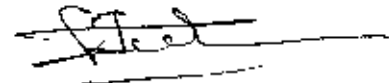
Sl. No.	Item	Qty	Specification
01	pH Meter	01 Unit	Detailed specifications is attached separately
02	Electronic Weighing Machine	01 Unit	Detailed specifications is attached separately
03	Lux Meter	01 Unit	Detailed specifications is attached separately

Terms & Conditions

1. The rates quoted should be valid, for a minimum period of 90 days, from the due date of receipt of quotations.
2. Complete description, specification of the item(s) quoted should be given along with catalogue.
3. Should indicate time required for affecting supply/installation upon receipt of supply order.
4. Should indicate the rate of ST/CST/ED/VAT/Entry Tax etc. if charges extra.
5. Should specify whether the item(s) quoted are under DGS&D rates contract. If so details of the rate contract should be furnished with the quotation.
6. Quotation should clearly indicate the point of supply such as Ex-works/FOR dispatch station/FOR destination.
7. **Bid Security @ 2%** of the quoted amount must be deposited in the form of Demand Draft drawn in favour of "ICAR Unit, CPCRI, Research Centre Mohitnagar" on SBI, Jalpaiguri. Deposit at Call Receipt of the SBI will also be accepted as earnest money provided the receipt obtained from the bank is attached with the quotation/tender. Remittance of EMD in any other mode not acceptable.
8. **TRANSIST INSURANCE:** The purchaser will not pay separately for transit insurance and the supplier will be responsible until the entire stores contracted for arrive in good condition at destination.

9. The buyer shall have the right to levy liquidated damages at a percentage not exceeding 5% per each month or part thereof in respect of supplies so delayed and delivered.
10. Guarantee offered for the item(s) should be indicated from the date of receipt of item(s).
11. Payment will be made only after satisfactory receipt/installation of the item(s)/completion of work by this office. No advance payment/part payment is admissible as per our rules.
12. Quotation received after the due date and without EMD will not be entertained.
13. The item(s) ordered should be supplied in a lot. Part supply will not be accepted.
14. The right to accept or reject the quotation rests with the Scientist-in-charge, CPCRI, Research Centre Mohitnagar, Jalpaiguri, WB.
15. The successful tenderer shall have to furnish an unconditional performance security for an amount of 5% of the order value. Performance security may be furnished in the form of an Account Payee Demand Draft, Fixed Deposit receipt or Bank Guarantee from a commercial bank in an acceptable form. The performance security valid for a period for 60 days beyond the date of completion of all the contractual obligations including warranty obligations should be furnished with 15 days of acceptance of order. Bid security will be refunded to the successful tenderer on receipt of performance security.

Quotation showing the rate may be submitted in sealed cover. Your sealed quotation, super scribed as Quotation for supply of "Laboratory Equipments " due on 22-12-2014 may be sent so as to reach this office on or before 22-12-2014 at 3.00 PM.



(अरुण कुमार सित्तु)
वैज्ञानिक प्रभारी

Copy to

NOTICE BOARD, CPCRI, RC, Mohitnagar

प्रतिलिपि सूचना एवं अवस्वक कारवाई कि लिये :-

- निर्देशक, केन्द्रीय रोपण फसल अनुसंधान संस्थान, कासरगोड, केरल। with a request to put the notice in web site.
- वरिष्ठ वित्त एवं लेखा अधिकारी, केन्द्रीय रोपण फसल अनुसंधान संस्थान, कासरगोड, केरल।

SPECIFICATION OF pH METER

01

ph Meter

- ✓ Range : 0-14 pH
- ✓ Resolution : 0.001 pH
- ✓ Stability : 0.002pH per hour
- ✓ Relative Accuracy : +-1 digit
- ✓ Data storage ; >50 reading
- ✓ mV range; 0 to 1999.9
- ✓ Slandered Buffer : 1679,4004,7000, 9183, 12454
- ✓ Display : LCD
- ✓ Printer port: 80 column
- ✓ Power ; 230 v AC+-10% 50 Hz
- ✓ Accessories : Redox Electrode Calomel Electrode Dot matrix Printer

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SPECIFICATION OF ELECTRONIC WEIGHING MACHINE

02

Electronic weighing Machine

- ✓ Readability: 0.1 mg
- ✓ Capacity : 300gm
- ✓ Repeatability ± 0.1 mg
- ✓ Tare Range(subtractive): Full of capacity
- ✓ Response time: ≈ 2.5 Sec
- ✓ Calibration : In built
- ✓ Display : LCD
- ✓ Power connector: AC adaptor
- ✓ Weighing chamber:
- ✓ Gram and Mg selector
- ✓ Application programmes; Tare: Net total, counting: weighing in % formulation calculating

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SPECIFICATION OF LUX METTER

03

Line Quantum Sensor

1 meter long line quantum Sensor-cosine corrected -for measuring PAR within a plant canopy

Consists of 1 meter Long Single Quartz Rod

Sensing Area 1 meter L X 12.7 mm W

Detector High stability silicon photovoltaic detector (blue enhanced)
1 meter Long Single Quartz Rod

Sensor Housing Weatherproof anodized aluminum case with acrylic
Diffuser and stainless steel hardware.

Sensitivity Typically 7 μA per 1000 $\mu mol s^{-1} m^{-2}$

Linearity Maximum deviation of 1% up to 10000 $\mu mol s^{-1} m^{-2}$

Response Time 10 μs .

Size : Standard

Cable : minimum 3.1 mtr

Quantum Sensor

Range 400-700 nm

Sensitivity: Typical 5 μA per 1000 $\mu mol s^{-1} m^{-2}$

Response Time: 10 μs .

Detector: High stability silicon photovoltaic
and stainless steel hardware.

Size : Standard

Cable : minimum 3 mtr

Mounting and leveling fixture

DATALOGGER WITH GPS

DATALOGGER for connecting to Line Quantum Sensors- Current Operated Data
Logger for connecting direct to PAR Sensors .Data logger comes with large
Memory capacity of 1 GB and Menu driven Interface. Data logger comes optionally
with or without GPS capability and Working on Four Alkaline AA Batteries with
GPS capabilities

Display 128 X 64 graphic displays.

Current Inputs Five Channels - 3 channel through BNC connectors for
LI-Cor Light Sensors

Math Channels 8 Math Channels with Addition Subtraction, Multiplication
Division, natural logarithm, Integration, daily integration
and attenuation etc.

Resolution 16 BIT

Scanning Speed 20 Channels per second

First Scanning up to 500 Hz

Temperature Coefficient +_ 0.01% of reading

Current range Selection Auto ranging

Current ranges +_ 250 nano amps to +_ 250 micro amps

Resolution 7.6 pico amps to 7.6 nano amps

Key Board Sealed-24 Key tactile response keypad

Internal Memory 1GB for data storage

Communication USB (as mass storage device)

Power supply 4AA batteries USB AC/DC power adapter