



उष्णकटिबंधीय वन अनुसंधान संस्थान

**TROPICAL FOREST RESEARCH INSTITUTE
Indian Council of Forestry Research & Education**

(An autonomous Council under the Ministry of Environment & Forests, Govt. of India)
P.O. – R.F.R.C., Mandla Road, Jabalpur – 482 021.

**TENDER FOR SCIENTIFIC
EQUIPMENTS**

Tender No.15- 1(VII)/11-12/Pur/JBP

Dated of the issue: / /2011

ENCLOSURES

1. Tender Notice
2. Tender Form
3. Specifications for Scientific Equipments
4. Conditions of Tendering for supply & Scientific equipments of material

Tender document S.No.....issued to M/s.....
.....
.....
.....

Cost of Tender documents Rs.....received in cash/vide D.D./ Bankers
Cheque No.....dated.....drawn
on

Signature and seal of the issuing Officer

Tender for sci.euip/11-12/rkd/doc/2



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TENDER NOTICE FOR PROCUREMENT
OF SCIENTIFIC EQUIPMENT

Advertisement No. 15-1(VII)/11-12/TFRI/JBP.....

Sealed tenders are invited from reputed firms for the supply of

1. SUPPLY AND INSTALLATION OF SEED GERMINATOR WITH VOLTAGE STABILIZER.
2. PHOTOMETER .
3. A.C. WITH UPS
4. LCD PROJECTOR, INTERACTIVE SCREEN, ON LINE UPS 3KVA
5. FORCE TENSIO METER
6. FURNITURE

Tender Fee	:	150.00 (Non Refundable)
		Cash/DD/Banker's Cheque Favour of
		Director, Tropical Forest Research Institute,
		Jabalpur
Issue of Tender starts from	:	10 AM 03/10/2011
Issue of Tender ends on	:	1 PM 02/11 /2011
Last date of submission of tender	:	1.00PM 02/11/ 2011
Opening of tender	:	3.00PM 02/11/ 2011

Note: Tender document is also available on our website <http://tfri.icfre.gov.in>

Tender for Sci/Equi/11-12/rkd/doc/3

Director
Tropical Forest Research Institute Jabalpur

To,

The Director
Tropical Forest Research Institute
P.O. R.F.R.C., Mandla Road
Jabalpur

Sub: Tender for Scientific equipments

Ref: Your Advertisement Published In the Danik Bhasker
on.....

The undersigned hereby tenders and offers (subject to Institute's conditions of tendering) to the Tropical Forest Research Institute, Jabalpur to supply the Scientific equipments as described in the enclosures with details of specifications in good condition.

It is certified that the specifications of Scientific equipments and all other conditions wherever described in the tender document, have been replied in full, giving clear details. The decision given by the institute in this regard will be final. It is also understood that the tenderer (in case of interpretation) will have no right to furnish any technical or commercial clarification after opening of the tender.

Date.....

Tenderer's signature with date

Name of the Tenderer

Address

SUBMIT THE FORM DULY FILLED IN SEALED COVER MENTIONING DATE OF OPENING OF THE TENDER

TENDER FORM

1. Name and full address of the tenderer with
telephone/fax number (if any)
.....

2. (a) If the tenderer is an authorized dealer of a
company give detailed information of authorization
(Dealer certificate should be enclosed)

- (b) Sales tax/Commercial tax Registration

- © If registered as Contractor/Supplier of specific
equipment with any Central/State Govt. department
give details

- (d) Income tax clearance certificate (copy to
be enclosed)

- (e) Whether registered with
(i) D.G.S. & D
(ii) Small Scale Industries Corporation
(iii) National Small Scale Industries Corp.,
Etc. If any, copy of the same should be
Submitted to claim exemption from EMD(

3. Validity Period (not less than 120 days)

4. Delivery Period to be specifically mentioned.

5. Whether Proprietary Item? If yes, enclose the certificate

YES	NO
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6. Details of offer

S.No	Name of Item	Specification with make	Unit Price	Taxes & Duties (mention)	Other charges if any (mention)	Total unit cost (for TFRI, Jabalpur)

Signature of Tenderer

7. Accessories if any (To be mentioned clearly)

8. Gaurantee/Warrantee of the item
9. Enclosures
 - (i) EMD
 - (ii) Catalogus
 - (iii) Registration Certificate
 - (iv) Income Tax Clearance Certificate
 - (v) Sales Tax / Professional Tax Certificate
 - (vi) Octroi etc. if paid (proof required)
10. Any other relevant information.....

Signature of the tenderer with stamp

EMD - RS. 6000.00

I. SUPPLY AND INSTALLATION OF SEED GERMINATOR WITH VOLTAGE STABILIZER

SPECIFICATION

The Seed Germinator is designed to work successfully in every climatic conditions. Higher humidity levels can be maintained & humidity is Displayed. It should have provision to Programme different temperatures, light levels for different time intervals to simulate natural environment for normal seedling germination. Facility to record data and storage capacity of 1000 reading, Programme lock, Audio Visual Alarm, Display:2x16 characters alphanumeric LCD display with backlit. Watchdog timer: it is installed in the Seed Germinator to check the programe and control at all the time. And make sure the the programme and control is working properly. Any surge in the electric supply may cause any control (Temperatrure, humidity and light) to latch at one position. This watchdog timer prevents surge in the electric supply which may cause any control (Temperature, humidity and light) to latch at one position. No of Chamber: One (heating & cooling), Capacity: 10cft (approx). Display:2x16 characters LCD display with backlit, Light levels:OFF, 25%,50%,75% &100% No. of Trays:8 trays, Humidity: Natural humidity with water inside. Alarm: Audio visual alarm for temperature and humidity deviation. Inner chamber: Stainless Steel. Temperature: PID control 10-45⁰ C+1^o C.Compressor: Hermetically sealed type of standard make. Evaporator: Finned Tubes. Electronics : Microcontroller based. Digital display of temperature & humidity. Operating Voltage:220V, 50Hz AC \pm 10%.

--Items are required FOR at TFRI , Jabalpur

--Please specify tech. specification, make model tax position (if any), installation, demonstration.

II. PHOTOMETER

EMD RS. 4000.00

SPECIFICATION

Photometer

- (a) Quantam Sensor-LI 190 SA with BNC Connector, LI 250A Lightmeter, 2290 millivolt Adapter, 604 ohm Precision resistor
- (b) 2003S Mounting and Leveling Fixture
- (c) LI-250A Lightmeter
- (d) 250-01 Carrying case

--Items are required FOR TFRI , Jabalpur

--Please specify tech. specification, make model tax position (if any), installation, demonstration.

III. Air Conditioner –

EMD RS. 4000.00

- (A) AC 1.5 ton split type (2 or 3 star rated) (EST)
(LG/Carrier/Blue Star make preferred)

With installation work.

Stainless steel instrument/lab glassware trolley with stainless steel shelves and three side railing with casters.

- (B) AC 2.00 Ton with installation work. (ENT)
- (C) Split Air Conditioner 1.5 Ton preferred LG (ECO)
Stabilizer for AC 4KVA, 1KVA, .5KVA

--Items are required FOR at TFRI , Jabalpur with installation .

IV. LCD Projector ,Interactive screen on line UPS 3KVA

EMD RS. 6000.00

Installation, Demonstration of LCD projector with 3LCD technology and having following feature-

- (a) Projection method-Front/ceiling mount , Resolution-XGA/WXGA, Brightness-2600lm or above , Screen Size:0.72 m-8.5m, Network for Projection- wired and wireless Video Compatibility – PAL, NTSC, SECAM, Auto Keystone correction and instant off with all standard essential accessories (shall be mention by supplier) supplied by manufacturer and Onsite warranty by OEM of two year or more.

Operating system:

Preferred Win 95/98/2000/ME/XP/Vista/Win7

- (b) Supply and installation of 3 KVA online UPS with 60 min backup along with four 65Ah. SMF battery with installation and 2 year onsite warranty.

Preferred APC/Microtek/ELNOVA Make

© 19” Interactive screen with Electromagnetic Stylus of 1024 levels.
Having dimensions-450mm (W)x299mm(H)x62mm(D), Resolution XGA/WXGA,
Response time 5ms or less, Anti-scratch tempered Glasses, Active Area-
408.24mm(h)x255.15mm(v) Preferred Win 95/98/2000/ME/XP/Vista/Win7
--Items are required FOR at TFRI , Jabalpur

V.Force Tensiometer

EMD RS. 24,000.00

A Digital Stand-alone Semi-automatic Tensiometer for surface and interfacial tensions as well as density of liquids. Equipped with: Calibration weight, (T106) Platinum Du Nouy ring (Pt-Ir-ring made to DIN 53914-80 and ASTM D 971 specifications. Includes also additional weight for push-mode.), (T113) Density Measurement device (Glass probe for measurement of liquid density. For density range up to 2.2g/ml or 2.2kg/l), Built-in large graphic LCD display, Super sensitive microbalance with transport locking and overload protection, Illuminated specially coated easily cleanable measuring area, Manually driven sample stage, Sample vessels with outer diameter 70mm and 50mm, Embedded software to measure surface tension (ST) and interfacial tension (IT) using Du Nouy ring as well as the density of liquids, Built-in control keyboard for operator interface, RS232C connection to optional printer, USB-connection for data output to external PC computer, PC software module to read the data to and ASCII file and/or Spread sheet, such as Microsoft Excel, Maximum balance load up to 5g, weighing resolution 0.01 mg (optimized for surface tension and interfacial tension measurement) , Measuring range up to 1000 mN/m, Resolution 0,01 mN, CD Disk, including Instruction manual (in PDF-format), and the Data Transfer Software, Dust cover.

--Items are required FOR at TFRI , Jabalpur

VI.FURNITURE

EMD RS. 24,000.00

(a) Canteen/Dining Table with chairs/stool (8 seater) (a to e-Est)

(b) Wooden Cots (size 78"x36" outer measurement)

Head Side:ht-27"

Leg side :ht-18"- framed with teak and painted with 1.5" board with laminated veneer & polish)

Side patty/button – 4"x1^{1/2} size (Teak wood)(W x Thick)

Senior measurement (75"x36")

© Study Table- Size- 1270mm htx760mmxD-430mm

Specification- The size of the table is W-900mmx D-590mm xH-750mm

The table should have square tubular under structure and should be made up of CRCA steel and treated for corrosion and extra durability.

The painting should be made up of pre laminated board. And all the four sides should be fitted with edge band.

(D) Almira- size-1270mm htxW-760mmxD-430mm

Specification-

The size of Almira is ht 1270mm xwidth 760mmxdepth 430mm

The almira should be made up of prime quality CRCA steel sheet and treated for corrosion and extra durability.

All steel components should be epoxy powder coated.

The almira should have three way bolting device with six lever godrej lock. The almira should have at least two adjustable shelves. Doors should be mounted on steel hinge brackets.

(E) Armed Chair-Size- D-57cmxW-58cmxH-88cm

Specification-Arms size (D) 57.0cmx(W) 58.0cmx(H) 88.0 SH 47.5

The seat and back frames are made from chemically treated and seasoned wood and caned with 1mm half round plastic cane.

Understructure assembly is a cantilever type frame made of dia 2.5cmx14-16 GB thick MSERW tube and epoxy powder coated followed by anticorrosion treatment of surface.

(F) Steel Stool Revolving Adjustable with steel top (GEN)

(G) Magazine Display Rack-All steel body, Sturdy & rigid, Inclined & retracting retractable tray, Each tray can accommodate 3 periodicals, Easy viewing & display of catalogues, latest issue of periodicals, magazines, newspapers, Horizontal metal shelves, Concealed shelving of earlier issues of periodicals, magazines, newspapers.

Specification-With 15 shelves, steel body, (sturdy & rigid) with retractable trays.

Dimensions:Height 189cmsx90cms width and 40cms (1890 mm, 900mm,400mm)

Features: Each compartment provided with a pivoted inclined retractable tray for display of periodicals. CRCA steel body with anti rust treatment.

(H) News Paper Reading Stand Two sided

(I) Office Almira with glass doors-6ft length x3ft widthx2ft breadth (normal size)

Specification-6^{1/2} ftx3ftx1.25ft with four adjustable shelves making five compartments.

Features: Four adjustable shelves making five compartments, CRCA steel body with anti rust treatment and lock.

(G to I –L(ib)

CONDITION OF TENDERING FOR SUPPLY OF EQUIPMENTS

- 1. The tender documents, complete in all respects along with the enclosures should be submitted under sealed cover in person at the receipt counter of institute by putting inside tender box or should be sent by Speed post , registered post only (Not By Courier Services) so as to reach the office before the specified date and time. Tenders received after the specified date and time will not be considered and will be filed. The institute will not be responsible for postal delay.**
- 2. In case the date of opening of the tenders/ receiving the tenders is declared a holiday, the tenders will be received/ opened on the next working day at the specified timing.**
- 3. The tender shall be valid for a period of 120 days from the date of opening**
- 4. The quoted prices shall inclusive of all duties and levies except for excise duty and sales tax at the prevailing concessional rates, applicable against declaration of from 13 Photo Copy of the last sales tax registration number/ certificate should be enclosed along with tender.**
- 5. The items are required F.O.R. at TFRI , Jabalpur.**
- 6. Full details of business terms and conditions e.g. packing and forwarding charges, delivery, validity period, guarantee of equipments, Instalation, Demonstration of equipment, discount or any other information relevant to supply may also be given along with rates.**
- 7. Tenderer should clearly mention the make/brand of the machine complete specification and other information regarding the articles to be supplied and enclosed printed literature and original catalogue/ operational manual.**
- 8. The Director, Tropical Forest Research Institute, Jabalpur reserve the right to reject any or all tenders without assigning any reason. Director, Tropical Forest Research Institute, Jabalpur will have the full right to accept tender with higher rates without giving any reasons to tenderers and his decision will be final and acceptable to all.**
- 9. The act of giving tender shall be deemed to be the unreserved acceptance of terms and conditions of this tender.
Conditional tenders are liable to be rejected.**
- 10. The earnest money Rs. 5000.00/ or specify item wise will be deposited along with the tender in the form of Demand Draft/Banker's Cheque, in favour of Director Tropical Forest Research Institute, Jabalpur . The tenders will not be considered in the absence of required earnest money EMD in any other from like Bank guarantee, etc. will not be considered.**
- 11. In case of successful tender, the amount of EMD shall be kept as security deposit which will be released after successful installation and demonstration of the supplied goods in satisfactory conditions and EMD shall be returned to unsuccessful tenderers.**
- 12. The firms exempted from submission of EMD at the time of submission of the tender form ; if awarded the contract will have to submit a performance security equivalent to the EMD**

13. The tenderer may be asked to demonstrate the equipment before the Director, TFRI or any other officials/ nominated by him for adjudging the suitability of the equipment in that case, the tenderer shall be final and binding.
14. Acceptance of the offer shall automatically carry with it a guarantee on suppliers part that every material supplied there under shall be fresh and free from defects and shall be consistent with the established and general accepted standards for the materials of type and in full conformity with the specifications. If it is found other wise when put into actual use, it shall be replaced by the supplier at his cost even after the payment of the bill has been made.
15. If the tenderer fails to comply with any of the above conditions or backs out from his/their tender or fails to supply within stipulated period to the satisfaction of the Director, Tropical Forest Research Institute, Jabalpur or any official authorized by him in this respect or fails to execute the agreement , the EMD of tenderer shall be forfeited the Institute. In addition to forfeiting the EMD, the Director shall be at liberty to obtain the material to the extent stated in tender notice from any other source. The excess expenditure if any, incurred by the Institute in making such purchase shall also be recoverable from the tenderer in full as per rules. If purchase are made at lower rates difference of cost shall not be payable to the tenderer. In addition, the institute may black list the tenderer for a period up to five years.
16. The successful tender shall hereafter be called the supplier.
17. The equipment are required to be delivered and installed in full with 45 days of the issue of the supply order.
18. After the expiry of the delivery period, the supply order shall be automatically canceled The EMD /Performance Security deposited by the supplier shall be forfeited.
19. Delivery of the goods in goods and sound condition at destination shall be the responsibility of the supplier. Any loss, breakage, leakage, theft, etc during transit or otherwise will be at the supplier's risk and cost.
20. The replacement on account of wrong or short supplier and the suppliers inconsistent with the specification shall be done by the supplier, without extra cost.
21. The supplier should be in a position to supply any spare parts (accessories required at least for period of five years after the expiry of warranty period.
22. Payment will be made after receipt of items in good and satisfactory condition including their demonstration and satisfactory installation
23. Disputes, if any are subject to JABALPUR jurisdiction only.