

TROPICAL FOREST RESEARCH INSTITUTE
उष्णकटिबंधीय वन अनुसंधान संस्थान
(Indian Council of Forestry Research & Education)
(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद)



(An Autonomous Council under the Ministry of Environment & Forests, Govt. of India)
(पर्यावरण एवं वन मंत्रालय, भारत सरकार की एक स्वायत्त परिषद)
P.O. – R.F.R.C, Mandla Road, JABALPUR – 482 021 (M.P)
डाकघर - आर०एफ०आर०सी०, मण्डला रोड, जबलपुर - 482 021

F No 15-4(I)/2017-18/Estt.T.D./E-PROCUREMENT/Tender-I/Pur/TFRI/JBP/

Dated: / /2018

**NOTICE INVITING TENDER NO: ESTABLISHMENT OF TECHNOLOGY
DEMONSTRATION CENTRE/17-18/TFRI/JBP/01**

Tropical Forest Research Institute invites tenders for the (1). Supply and Installation of Air Conditioners (2). Up-gradation, commissioning and demonstration of presentation facility using 2 multimedia projector and 3 LED TVs from eligible bidders on line. Details may be obtained online at CPPP web site <http://eprocure.gov.in/eprocure/app/> and <http://tfri.icfre.org>. Last date for submission of bids is 28/02/2018. Bids shall be submitted online only at CPPP web site. Manual bids shall not be accepted.


Director TFRI, Jabalpur

निदेशक
Director

उष्ण कटिबंधीय वन अनुसंधान संस्थान
Tropical Forest Research Institute
जबलपुर (म.प्र.), Jabalpur (M.P)

e-PROCUREMENT/Tender-I/1

TROPICAL FOREST RESEARCH INSTITUTE
उष्णकटिबंधीय वन अनुसंधान संस्थान
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F No 15-4(I)/17-18/Estt. Of T.D../E-PROCUREMENT/Tender-I/Pur/TFRI/JBP/

Dated: / /2018

Chapter-1

NOTICE INVITING TENDER NO: ESTABLISHMENT OF TECHNOLOGY DEMONSTRATION CENTRE/17-18/TFRI/JBP/01

Tropical Forest Research Institute invites online bids (Technical & Financial) from eligible bidders which are valid for a minimum period of 30 days from the date of opening (i.e 01/03/2018) for (1). Supply and Installation of Air Conditioners (2). Up-gradation, commissioning and demonstration of presentation facility using 2 multimedia projector and 3 LED TVs Tender documents may be downloaded from TFRI web site <http://tfri.icfre.gov.in/>. (for reference only) and CPPP site <http://eprocure.gov.in/eprocure/app/> as per the schedule as given in CRITICAL DATE SHEET as under:

SNO	Activity	Date	Time
1.	Date of Publishing	01/02/2018	15:30 hrs.
2.	Date of Pre Bid meeting at Ground floor Conference Hall TFRI, Jabalpur	06/02/2018	14.30 hrs.
3.	Last date for receipt of bids	28/02/2018	15:00 hrs.
4.	Date of Opening of Technical bids at TFRI Jabalpur	01/03/2018	15.30 hrs.
5.	Date of Opening of Financial bids at TFRI Jabalpur	06/03/2018	15:30hrs.

Bids shall be submitted **online only** at CPPP web site <http://eprocure.gov.in/eprocure/app/>- Manual bids shall not be accepted. Tenderer are advised to follow the instructions provided in the "instructions to the Tenderer for the e- submission of the bids online through the Central Public Procurement Portal for e-Procurement at <http://eprocure.gov.in/eprocure/app/>

Intending tenderers are advised to visit again at CPPP web site <http://eprocure.gov.in/eprocure/app/> frequently prior to closing date of submission of tender for any corrigendum/addendum/amendment.

Bids will be opened as per date/Time as mentioned in the tender critical date sheet. After on line opening of Technical bid the results their qualification as well as price bid opening will be intimated on line only.

e-PROCUREMENT/Tender-I/2

Director TFRI, Jabalpur
निदेशक
Director

**TENDERS FOR (1)SUPPLY AND INSTALATION OF
AIR CONDITIONERS & (2)UP-GRADATION,
COMMISSIONING AND DEMONSTRATION OF
PRESENTATION FACILITY USING 2 MULTIMEDEA
PROJECTOR & 3 LED TVS**

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Chapter-2
Conditions of Contract

2(a)The proposals must consist two bid systems as follows:
“QUALIFYING DOCUMENTS & EMD”

Sl. No.	Document
1.	Scanned copy of original catalogue of the instrument, Vender should have sufficient capacity to give application support,
2.	Scanned copy of users' list and satisfactory report of quoted model from reputed institute preferably Government institute,
3.	Scanned copy of supportive documents from the users for the satisfactory performance and after sales service. Manufacturer quoted by vender should have own office in India preferably at Jabalpur for better after sales and service support.
4.	Information about suitably trained technical staff, Information about well established service network
5.	Certificate from principle for availability of spares/parts for next five years
6.	On site comprehensive warranty certificate for 36 months
7.	Performance certificates for the quoted model (atleast 3)
8.	Online Receipt in respect of Tender Form Fee and EMD/Exemption document/CSPO registration certificate.
9.	Proof of registration of firm PAN & GST
10.	Valid Income tax certificate of unit till the date of tender.
11.	Sale tax clearance/exemption certificate till March/2017
12.	The bidding firm must process an experience of at least five (05) years, in the field of supply, support and maintenance of the equipment. (Enclose copies of the supportive documents or supply orders.

EMD/Tender fee will be as follows (liable to be forfeited if wrong information is furnished)

Sl.	Name of equipment	Tender No.	EMD Rs.	TENDER FEE Rs.
1.	SUPPLY AND INSTALLATION COMMISSIONING OF AIR CONDITIONER: (2Ton Cap.) 03 Star (make LG/Samsung/Carrier/Panasonic/Valtas/Blue Star/Godrej) with 5KVA Stabilizer in conference hall extension building.	F No 15-4(I)/Esstt.of T.D./2017-18/e-PROCUREMENT/Tender-I/Pur/TFRI/JBP/	37,500/-	250/-
2.	*Up-gradation, commissioning and demonstration of presentation facility using 2 multimedia projector (makeEpson/Sony/Panasonic/BenQ) and 3 LED TVs (46" to 56" of LG/Sony/Samsung) and other accessories like 2/4 GB PCI xpress card and HDMI splitter etc. required to send the projection on LED TVs required for PC connectivity .*side visit advisable	-----do----	17,000/-	250/-

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Two bid systems TECHNICAL & FINANCIAL PROPOSAL”.

(2b) TECHNICAL PROPOSAL

During the preparation of technical proposal, in addition to technical details of the equipment along with **original catalogue**, the tenderer must give particular attention to the following:

- i) Users list and supportive documents from the users for the satisfactory performance and after sales service.
- ii) Information about suitably trained technical staff along with well established service network must be furnished.

iii) All specifications should be self certified

iv) Availability of spares/parts for next five years to be ensured.

- v) In absence of original catalogue the tender would be considered as invalid.

(2c) FINANCIAL PROPOSAL

The financial proposal must be submitted in the format as per the price schedule . Full details of business terms and conditions, e.g. packing and forwarding, delivery period, GST/Sales Tax/Trade Tax (whether provincial or Central), other Taxes/Charges, if any, the validity period of quotation, discount, free delivery, packing or any other information relevant to the items may please be indicated clearly. Prices must be quoted F.O.R. at T.F.R.I. Jabalpur in Indian Rupees.(INR) only. The bid shall be inclusive of all duties and levies except for excise duty/customs and sales tax at the prevailing concessional rates, applicable against declaration of form 13. In case of imported equipment, if the bidder is the authorized dealer/distributor of foreign company and wants the order to be placed upon the parent company through the bidding firm for custom purposes, the same should be clearly mentioned in the bid along with an authorization from the parent company to this extent. TFRI would in any case be liable to pay to the Indian bidder only to the extent of the bid amount in Indian Rupees or its equivalent foreign currency as per official exchange rate prevailing as on the date of bid opening i.e. **01/03/2018** TFRI, Jabalpur would not be liable for increase or any variation in foreign exchange rate and differences if any, should be borne by the bidder. However, the payment would be effected only after satisfactory commissioning of the equipment in TFRI, Jabalpur and no request for any advance payment would be entertained.

(2d) SUBMISSION OF PROPOSAL

Financial and Technical Proposals containing the qualifying documents and EMD self attested scanned copy should attached.

(2e) PROPOSAL EVALUATION

Two bid systems procedure will be adopted in evaluating the proposals

- (i) Checking of qualifying documents. This will be the documents, which shall be checked, and disqualification amongst these documents will lead to rejection of the proposal *in toto*,
- (ii) A technical evaluation of the qualified firm on the basis of the qualifying documents will be carried out prior to opening the financial proposal,
- (iii) A financial evaluation. Firms will be ranked using a combined technical / financial score as indicated below.

(2f) Technical Proposal

The evaluation committee appointed by the client will carry out its evaluation applying the evaluation criteria and point system as specified below. Each responsive proposal will be attributed a technical score (St.).

The points given to technical evaluation criteria are as under:-

i) Firms relevant experience (including similar jobs in hand)	15
<u>Trained technical staff - 5</u>	
<u>Established service network - 5</u>	
<u>On hand training proposal for staff - 5</u>	
ii) Technical specifications of the equipment	70
iii) After sales Service /spares availability	15
<u>Users' list - 5</u>	
<u>Supporting documents from users</u>	
<u>for the satisfactory performance - 5</u>	
<u>Availability of spare parts for next 5 years - 5</u>	
Total	100

The technical proposal should score at least 70 points out of 100 to be considered for financial evaluation.

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(2g) Financial Proposal

The evaluation committee will determine if the financial proposals are complete and without computational errors. The lowest financial proposals (Fm) will be given a financial score (Sf) of 100 points. The financial scores of other proposals will be computed as follows $Sf = 100 \times Fm/F$ (Where F is amount of financial proposal).

Proposal will finally be ranked according to their combined technical (St) and financial (Sf) scores using the formula $S = St \times T\% + Sf \times F\%$.

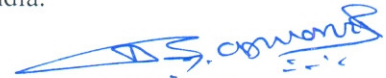
The weight (T%) given to the Technical Proposal is 60%

The weight (F%) given to the Financial Proposal is 40%

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The offer will be subject to the following terms and conditions: -

1. Please note that TFRI, Jabalpur has Custom Duty Exemption and Excise Duty Exemption Certificate. This may be kept in consideration while quoting the rates.
2. The stores are required to be delivered in full and within 20 days after acceptance of the offer.
3. The offer should be firm and open for acceptance till 25 days from the stipulated date of opening. Price escalation will not be allowed.
4. Full details of business terms and conditions, e.g. packing and forwarding, delivery period, GST/Sales Tax/Trade Tax (whether provincial or Central), other Taxes/Charges, if any, the validity period of quotation, discount, free delivery, packing or any other information relevant to the items may please be indicated clearly.
5. Full specifications, details and information regarding the articles to be supplied, such as make, size, etc. along with **original catalogue**, etc. to be furnished with the offer. The list of users of goods of similar or same nature in the country should also be enclosed.
6. Normal terms of payment will be 100% payment within 30 days after receipt and acceptance of goods in satisfactory working condition after installation. Other terms of payment should be clearly spelt in the offer.
7. The tender should accompany a DEMAND DRAFT/FDR of **value as specified in Clause of Chapter 2 (EMD)** as Earnest Money, payable to the Director, Tropical Forest Research Institute, Jabalpur, which will be refunded, without interest, if the offer is not accepted. In case the offer is accepted but not honoured by the tendered; the Earnest Money will be forfeited. The Earnest Money will also be forfeited, if wrong information is given in the tender to influence the tender cost. To the successful bidder, the EMD will be released only after satisfactory installation of the equipments and submission of performance bank guarantee.
8. The tenderer should also specify regarding Dealership/Proprietary item.
9. Freight, forwarding charges, if any, should be mentioned in the offer.
10. The stores are required to be delivered to the consignee concerned and the consignee will do inspection and verification of the goods.
11. The tenderer should quote on their printed letter-head paper, indicating thereon Sales Tax/Trade Tax No.& GST, Registration No., Fax No., Telex No., Telephone No., E-mail, etc.
12. **Three year on site comprehensive WARRANTY** for all the items and works to be given OR (as specified in specifications)
13. **Performance Bank Guarantee:** The supplier will have to submit a PBG or Performance security in the form of Bank Guarantee or FDR @ 10% of total order value from a commercial bank in an acceptable form within 21 days of issue of supply order. Performance security should remain valid for a period of 24 months beyond the date of completion of all contractual obligations of the supplier including the warranty obligations. Failure to abide by the contractual obligation including that of warranty, is liable to result in forfeiture of Performance Bank Guarantee.
14. Any or all tenders can be rejected by the Director, TFRI without assigning any reason. It cannot be challenged in any court.
15. Disputes, if any, will be under the jurisdiction of Jabalpur Court, M.P., India.



DIRECTOR
TFRI, JABALPUR

Director
उष्ण वटिकारीय वन अनुसंधान संस्थान
Tropical Forest Research Institute
जबलपुर (म.प्र.) Jabalpur (M.P.)

e-PROCUREMENT/Tender-I/7

(I) Supply and installation/commissioning of AC, 2.0Ton, 3 Star Split Air conditioner (make LG/Samsung/ Carrier/Panasonic/ Voltas/Blue Star/ Godrej) with 5KVA voltage Stabilizer in conference hall extension building.

Supplied ACs are to be installed in conference hall having plywood paneling on its walls. Supplying agency may quote rate for each item i.e. AC, Stabilizer, installation charges and charges for other items required (Like extra copper pipe to connect indoor and outdoor unit) for complete installation, if any etc., **for which site inspection is advisable.**

Detailed Specifications of ACs and voltage Stabilizer given overleaf.

As per the specifications given below:-

SPECIFICATIONS FOR 2 TON SPLIT A/C (3 STAR Rated) FITTED WITH ROTARY COMPRESSOR WITH STABILIZER

Min.Room Discharge AIR flow (Cub.m/min)	20.3
EER (w/w)	Not less than 3.0
Star Rating	3
Power V/Hx/Ph	220-240/50Hz/1Ph
Ton	2.0TR
Capacity (BTU/hr)	24,000
Refrigerant	R22,R410a, R32
Operation Current	10 A or less
Noise Level -Indoor unit	Less than 48 dB
Noise Level –Outdoor unit	Less than 55 dB
Compressor	High quality famous brand rotary type compressor
Remote hand set with LCD display and handy	
Galvanized or powder coated outdoor unit for anti-corrosion	
More than 10 meters remote control distance	
Flat panel for easy cleaning, washable plastic filter and horizontal auto louver	
SPECIFICATION FOR 5 KVA STABILIZER:	Wall mounting cabinet Warranty : 3 YEARS Capacity : 5KVA Input Voltage : 170 V - 270V Output Voltage : 200V –240V OUTPUT High Voltage cut off : 240 V Efficiency : >95% Frequency : 50 Hz Calibration Accuracy : ± 2.5%

DETAILED EVALUATION OF 2Ton SPLIT AIR CONDITIONER WITH STABILIZER

Sl. No.	Specification:	Total Score
	Mark's distribution for Technical Specifications	
1	Installation/commissioning of supplied AC as per our requirement (i.e. installation charges and charges for other items required like extra copper pipe to connect indoor and outdoor unit for complete installation)	10
2	5KVA Stabilizer having ISI quality certification	5
3	EER	10
4	Remote hand set with LCD display and handy/ user friendly	5
5	Operation Current	10
6	Noise Level	10
7	Refrigerant (R22/R410a/R32)	10
8	Flat panel for easy cleaning, washable plastic filter and horizontal auto louver, high quality body finish	5
9	High quality famous brand rotary type compressor	5
10	Total Score (A)	70
11	Mark's distribution for Technical Specifications	
	Firms relevant experience (including similar jobs in hand) <u>Trained technical staff - 5</u> <u>Established service network - 5</u> <u>On hand training proposal for staff - 5</u>	15
	After sales Service /spares availability <u>Users' list - 5</u> <u>Supporting documents from users for the satisfactory performance - 5</u> <u>Availability of spare parts for next 5 years - 5</u>	15
	Total Score (B)	30
	Total Score (A+B)	100

II . *Up-gradation, commissioning and demonstration of presentation facility using 2 multimedia projector (makeEpson/Sony/Panasonic/BenQ) and 3 LED TVs (46" to 56" of LG/Sony/Samsung) and other accessories like 2/4 GB PCI xpress card and HDMI splitter etc. required to send the projection on LED TVs required for PC connectivity
 *Site visit is advisable for bidders to assess the exact quantum of work and material required for the above mentioned work.

Detail Specifications of Multimedia projector and LED TV

1. Multimedia Projector:(makeEpson/Sony/Panasonic/BenQ)

- 1.1. Display System LCD
- 1.2. Brightness
 - 1.2.1. White light output (Normal/Eco) more than 3600lm
 - 1.2.2. Colour light output more than 3600lm
- 1.3. Speaker sound output more than 5W
- 1.4. Interface
 - 1.4.1. Analog input
 - 1.4.1.1. RCA
 - 1.4.1.2. D-Sub15pin
 - 1.4.1.3. S-Video
 - 1.4.2. Digital input (HDMI)
 - 1.4.3. Audio input
 - 1.4.4. USB interface Type A and Type B
 - 1.4.5. LAN optional RJ45
 - 1.4.6. Network Wireless
- 1.5. Direct Power on/off
- 1.6. Fan noise less than 35dB
- 1.7. Colour System PAL/NTSC/SECAM
- 1.8. Light source 200W UHE or above
- 1.9. Lamp life 5000 hour or above
- 1.10. Keystone correction +/- 30⁰

2. LED TV with HDMI and VGA Display port and stand for wall mounting(46" to 56" of LG/Sony/Samsung)

LED TV Specifications:

1. Connectivity-

- 1.1. HDMI
- 1.2. VGA
- 1.3. USB
- 1.4. Composite In (AV)
- 1.5. Component In
- 1.6. RF In
- 1.7. Audio Out

2. Display: Full HD, 1920X1080

3. Sound: Not less than 20W

4. Image Format Supported: JPEG, PNG

5. Video Formats supported: 3GP, AVI, FLV, MP4, MPEG, MPEG-1, MPEG-2, MPEG-4, MPO

6. Analog Tv Reception Formats PAL/NTSC/SECAM

3. Warranty 3 years for LED TVs and Multimedia projector
 e-PROCUREMENT/Tender-1/10

Scoring Sheet for Items (Multimedia projector and LED TV) will be used for Up-gradation of presentation facility

	Multimedia Projector:	50 (As per following breakup)
1.	LCD Display System	5
2.	Brightness White light output (Normal/Eco) more than 3600lm Colour light output more than 3600lm	7
3.	Sound output more than 5W	2
4.	Interface	
	Analog input	1
	RCA	1
	D-Sub15pin	1
	S-Video	1
	Digital input (HDMI)	1
	Audio input	1
	USB interface Type A and Type B	1
	LAN optional RJ45	1
	Network Wireless	1
5.	Direct Power on/off	3
6.	Fan noise less than 35dB	3
7.	Colour System PAL/NTSC/SECAM	2
8.	Light source 200W UHE or above	6
9.	Lamp life 5000 hour or above	9
10.	Keystone correction +/-30 ⁰	1
11.	PCI Xpress Card 2/4GB	3
	LED TV with HDMI and VGA Display port and stand for wall mounting	16(As per following breakup)
12.	Connectivity-	
	12.1. HDMI	1
	12.2. VGA	1
	12.3. USB	1
	12.4. Composite In (AV)	1
	12.5. Component In	1
	12.6. Audio Out	1
	12.7. Display: Full HD, 1920X1080	3
13.	Sound: Not less than 20W	2
14.	Image Format Supported: JPEG, PNG	2
15.	Video Formats supported: 3GP, AVI, FLV, MP4, MPEG, MPEG-1, MPEG-2, MPEG-4, MPO	2
16.	Analog Tv Reception Formats PAL/NTSC/SECAM	1
17.	Warranty 3 years for LED TVs and Multimedia projector	4

Agreement

The Supplier _____ agrees to accept the terms and conditions of this bidding document in letter and spirit.

Name/Seal of the Tenderer

Format for Bank Guarantee

To

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

Your Order No. _____ for the supply and delivery of _____ has been accepted by M/s _____.

In accordance with the terms of payment of the said order, we have agreed to pay the balance of 5% of the contract price of the supplier, furnishing you with an acceptable Performance Bank Guarantee for 10% of the total contract value, viz Rs. _____ for the due performance by the Supplier of all its contractual obligations and to be valid for a period of 24 months for the date of bank guarantee for this purpose you have agreed to accept our guarantee.

In consideration thereof, we hereby guarantee payment of and undertake to pay Rs. _____ and remit to you on demand and without demur the sum of Rs. _____ being 10% of the total value of the contract on receipt of your intimation that the Supplier has committed a breach of any of its contractual obligations.

This guarantee shall be valid for a period of 24 months from the date of Installation of the equipment in satisfactory condition or 27 months from the date of dispatch of the last lot of consignment whichever is earlier, and in any event shall expire on _____, you shall have the right to file/make your claim on us under the guarantee for a period of sixty days from the said date of expiry.

This guarantee shall not be revoked without your express consent and shall not be affected by your granting time or any other indulgence to the supplies or by any change in the constitution of the Bank or the supplies or for any other reason whatsoever.

Not with standing anything, contained herein above our liability under this guarantee is restricted to Rs. _____ and this guarantee will remain in force up to and inclusive of _____ - unless an action to enforce a claim under the guarantee is filed against us within sixty days from the date of expiry i.e. on or before _____, all rights under the guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

Signatory Bank with Seal