

Two Bid Tender Document

Purchase of Equipments, Mist chamber and Computer  
workstation for FRI



Forest Research Institute

P.O. New Forest

Dehradun-248006

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**Notice Inviting Tenders**  
(National Competitive Bidding)  
**Forest Research Institute**

(Indian Council of Forestry Research & Education)

Post- New Forest, Dehra Dun – 248006, Uttarakhand, India

Phone: 0135-2224205; Fax: 0135-2756865

Website: <http://fri.icfre.gov.in> Email: [po\\_fri@icfre.org](mailto:po_fri@icfre.org)

TENDER NO: X- 16 /16-17/Purchase

1. Online bids are invited on single stage two bid systems for the scientific instruments. Manual bids shall not be accepted.
2. Tender documents may be downloaded from FRI web site <http://fri.icfre.gov.in> (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in tender critical date sheet as under :-

Events	Important date/time	Venue
Published Date	10.06.2016 at 6:00 P.M.	Newspaper/FRI and CPP portal
Bid document download	10.06.2016 at 6:00 P.M.	Central Public Procurement Portal (CPPP)
Due date for pre-bid conference:	14.06.2016 at 11:00 A.M.	Purchase Section Main Building, FRI
Bid submission start date	15.06.2016 at 05:00 P.M.	CPP portal
Bid submission end date	27.06.2016 at 2.0 P.M.	CPP portal
Opening date of technical bids	27.06.2016 at 03.00 P.M.	Purchase Section Main Building, FRI
Opening date for financial bids	It will decided after technical evaluation.	Purchase Section Main Building, FRI

**CONTENT OF TENDER PAPER**

THIS PAPER INCLUDES THE FOLLOWING DOCUMENTS:-

1. Notice Inviting Tenders (Chapter I)
2. Terms & Conditions (Chapter -II)
3. Description of the Items, Specifications (Chapter III)
4. Schedule of Price (Chapter IV)
5. Agreement (Chapter V)
6. Format for Bank Guarantee (Chapter VI)

(DR. P.K.PANDE)  
Purchase Officer



## Chapter-1

Notice Inviting Tenders  
(National Competitive Bidding)

Forest Research Institute  
(Indian Council of Forestry Research & Education)  
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Phone: 0135-2224205; Fax: 0135-2756865  
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### TENDER No. X- /16-17/Purchase

#### BIDDING DOCUMENT Instructions to Bidders

Online Tenders are invited from the reputed firms for the purchase of following equipments for this Institute:-

Item No.	Name of Division	Name of equipments & Quantity
1	Silviculture	Dendrometer
2	Silviculture	Range finder
3	Forest Informatics	Computer Workstation
4	G&IP	Mist Chamber / Green house
5	Entomology	Digital SLR camera

The details of the above items and other Terms and Conditions, etc. are available in the Tender Documents. The tender forms and specifications are available at web site <http://fri.icfre.gov.in> and CPPP site <https://eprocure.gov.in/eprocure/app>

(DR.P.K.PANDE)  
PURCHASE OFFICER





## Chapter-2: Terms and Conditions

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Tenderer/Bidder are advised to follow the instructions provided in the "Instructions to the Tenderer/Bidder for the e-submission of the bids online through the Central Public procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>

Not more than one tender shall be submitted by one tenderer/bidder having business relationship. Under no circumstance will father and his sons(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

Tenderer/bidder who has downloaded the tender from the <http://fri.icfre.gov.in> and Central Public procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, shall not temper/modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer/bidder is liable to be banned from doing business with FRI.

Intending tenderers/bidders are advised to visit again FRI website <http://fri.icfre.gov.in> and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days 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**.

### Submission of Tender

**The tender shall be submitted in Two parts, viz., Technical Bid and Price Bid.**

All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

**The offers submitted by Fax/email/offline shall not be considered. No correspondence will be entertained in this matter.**

### Technical Bid

The following documents are to be furnished by the Tenderer/Bidder along with **Technical Bid** as per the tender document:

**Cover 1 a. Qualifying documents:**



- i) Signed and scanned copy of appropriate value of valid registration certificate & authorization certificate, experience certificate as per the tender notice, PAN No. and Tender Acceptance Letter.
- ii) Signed and Scanned copy of VAT Clearance Certificate, TIN No., Certificate / Affidavit of partnership firm.
- iii) Signed and Scanned copy of audited Balance sheet of last three years and partnership deed as per the tender document.
- iv) Signed and Scanned copy of Organization chart and plants & equipment as per tender documents.
- v) Earnest Money Deposit (EMD) should be submitted as **crossed Demand Draft (DD)** in favors of Director, Forest Research Institute, Dehradun by post to Purchase Officer, Forest Research Institute, Dehradun-248006, and the scanned copy of the same should be uploaded in the Portal.

**Important: The EMD and Tender fee is already submitted by the bidders need not to submit it again.**

The EMD for the items are given below:

Item No	Name of equipments	EMD INR
1.	Dendrometer	Rs 6,400.00
2.	Range finder	Rs 2,400.00
3	Computer Workstation	Rs 9,000.00
4.	Mist Chamber / Green house	Rs 12,000.00
5.	Digital SLR camera	Rs 4,000.00





- vi) **Tender fee:-The tender form downloaded from above web sites must include Rs.568/- (including 13.5% Uttarakhand Trade Tax) by crossed Demand Draft in favour of Director, FRI as tender fee along with the tenders submitted and the scanned copy of the same should be uploaded in the Portal.**

**a. Technical specifications.**

- vii) Signed and Scanned copy of make and model of all systems, sub systems and additional items should be mentioned in the technical bid along with complete technical details/specification of the quoted items should be provided and Brochures and write-ups should also be uploaded as proof.

**Important:**

**The self certified hard copy of the qualifying and technical bid documents must also be submitted before the closing/end date and time of the tender in addition to uploading scanned copy of the documents.**

**The bidder who already submitted all physical documents required by us need not to submit it again. However, all these documents as scanned signed copy must be loaded in the portal again. Otherwise tender will be cancelled.**

**Cover 2 a. Price Bid**

- (a) The financial proposal must be submitted in the Schedule of price bid in the form of BoQ\_1.xls separate for each item. Full details of business terms and conditions, e.g. packing and forwarding, delivery period, VAT/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. Dehradun.
- (b) Price bid undertaking
- (c) Schedule of price bid in the form of BoQ\_1.xls

**Price Bid Undertaking**

From: (Full name and address of the Bidder)

Dear Sir/Madam,

I submit the price Bid for ----- and related activities as envisaged in the Bid document.

I have thoroughly examined and understood all the terms and conditions as conditions as contained in the Bid document, and agree to abide by them.

I offer to work supply the quoted item at the rates as indicated in the price Bid, Annexure IV inclusive of all applicable taxes except Service Tax.

Yours Faithfully,

Signature of authorized Representative



## Schedule of price bid in the form of BoQ\_1.xls

The below mentioned Financial Proposal/Commercial bid format is provided as BoQ\_1.xls along with this tender document at <https://eprocure.gov.in/epublish/app>. Bidders are advised to download at this BoQ\_1.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with Forest Research Institute.

Sl No.	Description	Price (To be filled in by Bidder)
i	Complete Scope of supply of goods as stipulated in the Technical Bid Document on price basis inclusive of all taxes and levies, direct and indirect expenses, and without any escalation, excluding service tax.	In figures----- In words-----
ii	Taxes	As per statutory Liability applicable from time-to-time.

1. The rates will be inclusive of all taxes (except Service Tax), fees, levies, etc. and any revision in the statutory taxes, fees, etc will be the responsibility of the Bidder.
2. In case of any discrepancy/difference in the amounts indicated in figures and words the amount in words will prevail and will be considered.
3. The quoted rates shall remain firm throughout the tenure of the contract and no revision is permissible for any reason.

Authorized Signatory<sup>6</sup>  
(Signature of the Authorized Person)

**Pre-bid conference:** A pre-bid conference will be arranged with the users for finalization of technical specifications of the equipment. Bidders are requested to take part in the Pre-bid conference at scheduled date and time. The modified specifications, if any, after Pre-bid conference will be available at the websites and also can be obtained from the office of Purchase Officer. After Pre-bid conference no changes will be accepted in the desired specifications. If no party attends the Pre-bid conference then listed specifications will be considered as final.

### Technical Proposal

During the preparation of technical proposal, in addition to technical details of the equipment along with scanned copies of **original catalogue and other literature or self certified copied of the original documents**, the tender are must give particular attention to the following:

- i) Scanned and signed copy of users list and supportive documents from the users for the satisfactory performance and after sales service.





- ii) Scanned and signed copy of information about suitably trained technical staff along with well established service network must be furnished.
- iii) Scanned and signed copy of on hand training proposal for the staff of the Institute at site.
- iv) All specifications should be certified and guaranteed for genuineness and that the model of the equipment is not going to be obsolete in near future (5 years) (supportive documents from the Principal to be enclosed).
- v) Availability of spares/parts for next five years to be ensured (supportive documents from the Principal to be enclosed).
- vi) In absence of scanned and signed copy of original catalogue or certified copy of original catalogue and other literature the tender would be considered as invalid.

**Important: The self certified hard copy of the qualifying and technical bid documents must also be submitted before the closing/end date and time of the tender in addition to uploading scanned copy of the documents.**

### **Financial Proposal**

The financial proposal must be submitted in the format BoQ 1.xls along with this tender document at <https://eprocure.gov.in/epublish/app> separate for each item. Full details of business terms and conditions, e.g. packing and forwarding, delivery period, VAT/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. Dehradun.

### **Proposal Evaluation**

A two-stage procedure will be adopted in evaluating the proposals.

- (i) Checking of technical proposal. First of all, the qualifying documents will be checked. If absence of any of qualifying documents, the bid will be rejected. A technical evaluation of the firms on the basis of the required documents for technical bid will be carried out prior to opening the financial proposal.
- (ii) A financial evaluation. Firms will be ranked using a combined technical / financial score as indicated below.
- (iii)

### **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

- |      |  |    |
|------|--|----|
| i)   | Firms relevant experience (including similar jobs in hand) | 15 |
| ii)  | Technical specifications of the equipment                  | 70 |
| iii) | After sales service /spares availability                   | 15 |

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<b>Total</b>	<b>100</b>
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The technical proposal should score at least 70 points out of 100 to be considered for financial evaluation.

### **Financial Proposal**

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

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

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

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



## General Terms & Conditions

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

Please note that FRI, Dehra Dun has Custom Duty Exemption and Excise Duty Exemption Certificate. This may be kept in consideration while quoting the rates.

The stores are required to be delivered in full and within 90 days after acceptance of the offer.

The offer should be firm and open for acceptance till 120 days from the stipulated date of opening. Price escalation will not be allowed.

Full details of business terms and conditions, e.g. packing and forwarding, delivery period, VAT/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.

Full specifications, details and information regarding the articles to be supplied, such as make, size, etc. along with scanned copies of **original catalogue** or certified copies of 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. The offer would not be considered fit if these details are not provided.

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. The LC will be open in case of imported equipments, if required.

The tender should accompany a DEMAND DRAFT/FDR of value as indicated in tender as Earnest Money (EMD), payable to the **Director, Forest Research Institute, Dehradun**, which will be refunded, without interest, if the offer is not accepted. In case the offer is accepted but not honored 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.

The Tenderer should also specify regarding Dealership/Proprietary item and copy of the latest certificates from the principal should be produced with the tender.

Freight, forwarding charges, if any, should be mentioned in the offer. In case of import being done by this institute, the FOB prices should be mentioned.

The stores are required to be delivered to the consignee concerned and the consignee will do inspection and verification of the goods.

The tenderer should quote on their printed letter-head paper, indicating thereon Sales Tax/Trade Tax No., Registration No., Fax No., Telex No., Telephone No., E-mail, etc.

**Two year onsite comprehensive WARRANTY** for all the items and works to be given **OR as specified in specifications.**

**Performance Bank Guarantee:** The supplier will have to submit a PBG or Performance security in the form of Bank Guarantee or FDR @ 5% 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 will be liable to forfeit the Performance Bank Guarantee.

Any or all tenders can be rejected by the Director, FRI without assigning any reason. It cannot be challenged in any court.

Disputes, if any, will be under the jurisdiction of Dehradun Court, Uttarakhand, India.

(DR. P.K.PANDE)  
PURCHASE OFFICER



CHAPTER III (Description of the items and specifications)

Specification before Pre Bid Conference

**Item No.1 Dendrometer**

**Specification:**

**Dendrometer**

(Laser technology RD-1000 electronic BAE)- Tree Diameter Measuring devise.

**Item No. 2. Range finder Specification**

Specification:- Model True Plau 200 (Range finder)

- Range: 11 to 550 yds.; 10 to 500m; 33 to 999 ft.
- Resolution: 0.5 yds.; 0.5m; 1 ft.
- Accuracy:  $\pm 1/2$  yd. out to 99 yds.;  $\pm 1$  yd. from 100 to 550 yds.
- Power: one 3V CR2 battery (included).





### Item No. 3 Computer Workstation

#### Specification:

#### Annexure-A

Work Station 3 in number with sitting space of 12 persons(4 person in each workstation) with following specifications			
S.No.	Description	Size	Material specifications
1	Standard Table	1380W x 690D x 720H	Standard tables made up of post formed high-density particleboard with melamine lamination on them. The edges of the desks have been given duck nose profile, the thickness of the side panels be 25mm. The worktop of the tables rests on two side panels and a front panel, which is called the modesty panel, the desks have provision for cable managers on both the sides.
2	Side Return With Key Board	1000WX450D X684H	Tables made up of post formed high-density particleboard with melamine lamination on them. The side returns with a keyboard tray attached to them and also have provision for Keeping CPU and both of them can be attached to either side of the side return as desired and required by the user.
3	Fixed Pedestal With 3 Drawers	402WX455D X410H	made up of post formed high-density particleboard with melamine lamination on them, fixed pedestals three drawers, central locking system, plastic handles, high density particleboard
4	Partition For OZ764 Table	1380WX400H	Partition screens made of particleboard with fabric pasted on them, to give an elegant look to all the junctions where two or more than two partitions meet a variety of connectors are made use of. With these connectors come their covers too and both are made up of alloy material
5	Side Partition	690WX400H	Partition screens made of particleboard with fabric pasted on them, to give an elegant look to all the junctions where two or more than two partitions meet a variety of connectors are made use of. With these connectors come their covers too and both are made up of alloy material
6	Partition of OZ772 Side Return	953WX400H	Partition screens made of particleboard with fabric pasted on them, to give an elegant look to all the junctions where two or more than two partitions meet a variety of connectors are made use of. With these connectors, their covers made up of alloy material
7	Two Way L Connector	1160H	A point where two partitions meet or are joined in a straight line, a 2 way 'S' connector is made use of. Similarly if two partitions meet in 'L' shape, a two way 'L' connector is made use of
8	Three Way T-Connector	1160H	At a junction of four partitions that meet in '+' shape a four way plus connector is made use of, while a junction where three partitions meet in 'T' shape a three way 'T' connector is made use of
9	Two Way Straight Connector	36W X 32D X22H	A point where two partitions meet or are joined in a straight line, a 2 way 'S' connector is made use of. Similarly if two partitions meet in 'L' shape, a two way 'L' connector is made use of
10	End Ducknose Profile	1160H	The ends and edges of the partitions have been given an elegant and subtle look with end duck nose profile.
11	CPU Trolley	250W x 480D x 300H	The series should provide sturdy and mobile CPU trolley with unique ventilator design to keep the CPU cool
<p><b>Note:</b> Supplier will provide each and every required item necessary for the installation of the furniture workstation (3 in numbers having sitting capacity of 4 in each) ensuring the above description/specification.</p>			

**Item No. 4. Mist Chamber / Green house**

<b>Items</b>	<b>Particulars</b>
<b>Size</b>	5m x 10m with side height 7ft and center height 12ft from ground level.
<b>Structure</b>	Made of square GI pipe, hot-dip galvanized pipes, 1 8-2mm thick, 47x47mm, 38x38mm, Zinc coated pipes as per Indian standards that prevents rusting of pipes and ensure long life of structure (more than 10 years). Preferably Dome shaped welded structure
<b>Cladding/covering</b>	Cladding of multiwall polycarbonate sheet, 6mm thick of Lexan make. All fittings of aluminum for polycarbonate sheet fixation.
<b>Cooling system</b>	Cellulosic pad: 4ft height, 4inches thick, Munters/Hutek make, with gutter system, with complete PVC fittings, filter, pump (1HP) water tank (500lts)  Exhaust fans: Slow axial fans, 36inches, 2no., Munters make
<b>Humidity system</b>	Four way foggers, discharge of 22.5LPH, Netafim/Jain irrigation make, with necessary PVC fittings, filter, pump (1HP) and water tank (500lts) System capable to raise relative humidity up to 90%
<b>Heating system</b>	2no. heaters, 2.5KW, with complete electrical fittings
<b>Controllers</b>	Controllers for temperature and humidity, programmable. Good quality sensors for humidity and temperature
<b>Side curtain wall</b>	Brick masonry, 2ft above ground and 1.5 ft below ground, 9inches thick, plastered
<b>Floor</b>	Gravel
<b>Shade net</b>	Black /green colour 75 or 50 % at gutter height inside the green house, manually roll-able – shade net of Netlon make
<b>Ante-room</b>	An ante-room, size 2mx2mx2m with double doors, cladding of polycarbonate sheet 6mm thick, Lexan/Bayer make  Ante room corridor will have side brickwall (2 ft above ground, 1.5 ft below ground), cemented (PCC) floor.
<b>Lighting</b>	4nos. Photosynthetically Active Radiation Lamp with Photosimulators
<b>Electrical wiring</b>	All wires will be of copper suitable for the desired load, switches from reputed brand.





### Other details

**Structure:** Hot Galvanised GI ( 47mm x 47mm ) IS standard IS 1239 anti-corrosive, humidity resistant pipe with IS 4736-1968/ISO 65-1973 zinc coat as approved For maximum Indian wind load conditions, structural trusses will be provided for absolute strength wind load 120 km/hr.

- a. GI Pipe: IS standard ( IS 1239)
- b. Thickness: 2mm or more

**Sides & roof covering** with 6mm double wall polycarbonate sheet fixed with anodized aluminum section, Silicon (translucent) treatment for proper holding and thermal safety. Specification of PC sheet

- a. Thickness 6mm multi-walled.
- b. Make LEXAN
- c. Warrantee 10 years.
- d. UV - protected
- e. Sheet Structure: - 6/2 RS
- f. Approx. weight  $\text{g/m}^2$  1300 gms.
- g. Fixing: - Aluminum Section

**Air Curtain (Ino.).** Size: 3' wide heavy duty, cabinets of Air curtain are made of cold rolled mild steel sheets. The blowers are made of high quality Aluminum Sheets with  $\frac{1}{2}$  HP motor & double blower system, powder coated finish at pre entry point with auto main ON / OFF operation at the time of door opening /closing.

**Control panel:** Compact control panel facility will also be provided with Mains ON/ OFF Switch (L&T Make), Light Indicator for main light, Cooling, Humidity.

Control Panels are manufactured with best quality CRCA sheet steels for lasting strength and the fine finish. The fabrication of different parts of the panel is carried out on advanced CNC turret punching press and CNC press brake. All the modular parts and sections are subjected to seven tank process to ensure anti-rust conditioning, smooth finish and protection against corrosive atmosphere/ high Humidity environment. High quality powder coating is applied using the latest Swiss machines.

**Microclimatic Temperature Controller** Specifications: Real time microprocessor based user programmable PID Controller, 4-digit LED display for displaying measured values and another 4-digit LED display for displaying settings, Trim pot operation, Platinum sensor probe Pt- 100, Set point lock within the setting panel to protect setting changes, Level lock to ensure that the parameter can be read but cannot be changed, Sensor failure indication, Display resolution  $0.1^\circ$ . Accuracy  $\pm 0.1^\circ\text{C}$ , Automatic hysteresis control. Wide selectable temperature ranges from  $0^\circ$  to  $100^\circ\text{C}$ , 4.4 KVA load can be directly connected to the powered output, Input- 200-240 VAC, 50 Hz. Single phase, Ambient  $5^\circ$ - $50^\circ\text{C}$ , RH upto 90%.

**Microclimatic Humidity Controller** Specification: Real Time microprocessor based, On/Off control for Humidifying/ Dehumidifying, Hysteresis / Differential 1% - 9%, Delay timer 0-240 sec, Direct / Reverse selectable, Lock functions to prevent miss operating, Feather touch operation, Fast response sensor – line resistance  $< 10\Omega$ , Display Accuracy- indicating value  $\pm 0.2\% \pm 1$  digit.

**Plitz / Cyclic Timer for Humidity:** Specific for fogging, misting system, controlled by timer, to





reduce water logging condition in the Green House. Specification - 0-999 Min/sec on, 0-999 Min/sec OFF, automatic cycling. Accuracy quartz. Power output can be directly drive misting unit load upto 4.4 KVA, Input 200 V to 240 V.A.C, Phase-Single, 50 Hz, Ambient 4°C to 50°C, RH upto 90%

**Heaters:** Auto thermal cut off device, With double thermostat protection, 2.4 KW heater, 1200 RPM, 1/4 HP fan Motor, selective combustive material chosen for minimum utilization for atmospheric oxygen, Powder coated finish, Input 200-240 VAC, 50 HZ, single phase, Ambient 5°C to 50°C, RH upto 90%.

**Electrical:** High quality ISI approved fittings with copper multi strand twisted Fire Resistant Grade( Plaza or ISI make) wires stds. of safety with proper M.C.B. with appropriate electrical points of 5/15 Amps combined (Havells /Anchor make)

### **Item No. 5. Digital SLR Camera**

#### **Specification:**

**Body** with 20 Megapixel CMOS (APS-C) sensor and ISO 100-16000; 65-Point all cross-type Af system for high-performance, accurate subject tracking with EV-3 sensitivity (Center Point) for focusing in extreme Low- light conditions; 10fps continuous shooting with autofocus; Built in GPS; Shutter speed up to 1/8000; 1, 50,000, RGB+ IR pixel metering sensor; built in compact flash and SD slot; movie recording Full HD 1080 pixels at 60 fps.

**Lens:** 18-135 mm f/3.5-5.6 with image stabilizer and STM

Optional:

- 1) 100 mm f/2.8 Macro lens with USM and image stabilizer.
- 2) 2 Macro LED flash Ring (one) and Led-2 micro arm light (one)



#### Chapter-4: Price Schedule

(a) Price bid undertaking

(b) Schedule of price bid in the form of BoQ .xls

#### Chapter-5: Agreement

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

Name/Seal of the Tenderer



Chapter-6: Format for Bank Guarantee

To

Forest Research Institute  
P.O. New Forest  
Dehradun

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 5% 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 5% 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

