

National Bureau of Plant Genetic Resources (Indian Council of Agricultural Research)



Pusa Campus, New Delhi – 110 012

Phone: 011-25841022 (Ext. 261) 25849545; FAX: 011-25842495,25849459; e-mail: nbpgr.aaopurchase@icar.gov.in

File No. **Open Tender 2016**

Dated: 19thAugust, 2016

Sub: Open Tender Enquiry (Two Bid System): For supply of Equipments & Instruments.

(NOTE: The envelope containing the tender as well as subsequent communications should be addressed and delivered to 'The Director, NBPGR, Pusa Campus, New Delhi -110012.

To,

Sir(s),

Sealed tenders are invited (under Two Bid System (1) "TECHNICAL BID" &(2) "PRICE BID") by post/per bearer from bonafide manufacturers / authorised dealers for supply of "Equipments & Instruments" as per categories / specifications and/or quantities detailed in the Schedules / Specifications (Annexure ° V) attached.

The "Tender Documents" comprising the Compulsory Documents (Annexure I), <u>General Terms and Conditions of Contract</u>(Annexure II) and the <u>Special Terms and Conditions of Contract</u>(Annexure III) which will govern any contract made, the <u>Tender Application Form</u>(Annexure IV) and the <u>Schedule of contract / specifications of items</u>(Annexure-V) are enclosed herewith. If you are in a position to quote for the contract in accordance with the requirements stated in the attached schedule as per the terms and conditions stated, please submit your quotation to this office.

The tender document may be obtained from the NBPGR, Purchase Sectionin person by the bonafide applicant or his authorised representative by applying in their letter head at a cost of₹ 1000.00 (Rupees One Thousand Only) for each item. The "tender documents" can also be downloaded from the web site www.nbpgr.ernet.in, and in such case the same may be signed and submitted as per the proceduresmentioned hereinafter along with the fee for the "tender documents" @ `1000.00 (Rupees One Thousand Only) for each item(To be submitted along with the Technical Bid. It should not be enclosed in the envelope containing the Price Bid). All the payment may be made by Demand Draft; drawn in favour of Director, NBPGR, New Delhi. Cheques will not be accepted.

Tenderers are requested that, before quoting their rates or sending tender, the tender forms may please be read out thoroughly (line by line) so as to have a clear knowledge of the requirement contained therein, otherwise purchaser will not be held responsible for any error / oversight of his own and the penalties shall be levied for not complying with the requirements stated herein or supply of the required item/services.

The form is a Standard Form of Tender. Certain clause / clauses may not be applicable in some cases. So, Tenderers are requested to ignore such clause / clauses, which are not applicable in the instant case.

The Tender forms containing the compulsory documents(Annexure I), the Terms and Conditions (Annexure II), the Special Terms and Conditions of Contract (Annexure III), the Tender Application Form (Annexure IV) and the Schedule of contract / specifications of items (Annexure-V), form of Bank Guarantee (Annexure VI) should be returned in original along with the technical bid document, intact, after filling up the same and duly signing in full with stamp, on each page, failing which the tender shall be liable for rejection.

In the event of the space on the Schedule of contract / specifications of items/proforma being insufficient for the required purpose, additional pages may be added. Each such additional page must be numbered consecutively, bearing the Tender Number and be duly signed and stamped by the tenderer. In such cases, reference to the additional pages must be made in the Tender Form. If any modification of the schedule is considered necessary, you should communicate the same by means of separate letter sent along with the Tender.

PARTICULARS

Cost of each Tender Document	₹ 1000.00 (Rupees One Thousand Only) for each item in the shape of Cash/DD in favour of Director, NBPGR Payable at New Delhi
Period for supply of Blank Tender Forms and related documents at the NBPGR on all Working Days (Except 2 nd Saturdays, Sundays and Holidays)	22.08.2016 to17.09.2016 up to 3.00 pm
Due Date & Time of submission of completed Tender Document in the Tender Box kept at the Main Gate no. 2, NBPGR, New Delhi	19.09.2016upto 2.00 pm
Date & Time of Opening of Technical Bid	20.09.2016 at 10:30 AM (Name and Sr. No. of itemmust be mentioned on the outer envelope)
Bid Security /Earnest Money	Amount of bid security /Earnest Money as indicated against each item in Annexure °V may be submitted with Technical bid in separate envelope super-scribed in case of participating for more than one item super-scribed "EMD for(name of item)
Submission of Tender	Tender /Quotation for each item may be submitted separately with Tender fee of ₹1,000/- and appropriate value of EMD/bid security
Performance security / Security Deposit Money to be deposited	10 % of the contract Value of each of individual equipment & instrument to be purchased from the tenderer after selection / finalization.

The Director, NBPGR, does not pledge himself to accept the lowest or any tender and reserves the right of accepting or rejecting the whole or any part of the tender without assigning any reason thereof. Canvassing in any form by the tenderer or his representative with any of the officials of NBPGR shall render the tender liable to be rejected.

THE FIRM IS REQUESTED TO FOLLOW THE CHECK LIST AT THE TIME OF SUBMISSION OF TENDER DOCUMENT WITHOUT WHICH THE OFFER IS LIABLE TO BE REJECTED:

	CHECK LIST									
	[Without which the offer is liable to be rejected)									
1.	Tender Document Fee: ₹ DD No dated									
2.	EMD Value: ₹ DD No Dated									
3.	Valid Trade Licence Certificate: Valid upto									
4.	Warranty Certificate: As per details mentioned in specification [Yes /No]									
5.	VAT / CST /Tin No. certificate: Submitted [Yes /No]									
6.	Complete Name & Address of Company/Firm (Principal/Authorised agent *) should be mentioned [Yes/No]									
7.	Original tender document signing all the pages: Submitted, [Yes/No.]									
8.	COPY OF PAN/TAN CARD: Submitted, [Yes/No.]									
9.	Details of IFSC Code, Account No. and Name of Bank and its Branch for local and import payment through LC/RTGS. [Yes/No]									
	Copy of authorisation certificate issued by the Principal firm must be enclosed with the Technical Bid, failing which the Tender will be rejected.									

Enclosures:

- 1. Annexure I (Compulsory Documents).

- Annexure T (Compulsory Documents).
 Annexure II (General Tender Terms & Conditions).
 Annexure III (Special Tender Terms & Conditions).
 Annexure IV (Tender Application Form).
 Annexure V (Schedule / specifications of items/equipment).
 Annexure VI (Form of Bank Guarantee)

Yours sincerely,

Assistant Admn. Officer (P)

To The Director, NBPGR, Pusa Campus, New Delhi -110012

		COMPANI CODY		ma.
	[Without	COMPULSORY In the which the offer is li		
1.	Tender Document Fee: ₹_	DD No)	dated
2.	EMD Value: ₹	DD No	Dated_	
3.	Valid Trade Licence Certi	ficate: Valid upto_		
4.	Warranty Certificate: As j	per details mention	ied in specifi	ication [Yes /No]
5.	VAT / CST /Tin No. certifi	icate: Submitted [Y	Yes /No]	
6.	Complete Name & Add mentioned [Yes/No]	lress of Company	//Firm (Pri	ncipal/Authorised agent *) should be
	Original tender document COPY OF PAN/TAN CAL Details of IFSC Code, Ac payment through LC/RTG	RD: Submitted, [Yeccount No. and No GS. [Yes/No] ssued by the Prin	es/No.] ame of Ban	ed, [Yes/No.] ak and its Branch for local and impor must be enclosed with the Technica
Date:- Place:-		Signature o	of the tendere	er:-
		Full Name Designation	-	(Office seal of the tenderer)

GENERAL TERMS AND CONDITIONS FOR TENDER / BID

1. PREPARATION OF TENDER:

- a. The original Tender form containing the Terms and Conditions (General and Special) and the Schedule should be returned in original after filling up the form and duly signing in full on each page with stamp, whether you are quoting for any item or not, failing which the tender is liable to be rejected.
- b. If any item in the schedule is not being tendered for, the corresponding space against the item should be defaced by writing 'not quoting'.
- c. In the event of the space on the schedule form being insufficient for the required purpose, additional pages may be added. Each such additional page must be numbered consecutively, bear the Tender Number and be duly signed and stamped by you. In such cases, reference to the additional pages must be made in the Tender Form.
- d. The Tenderer shall, wherever call upon to do so, give full information with reference to the services in hand and shall also permit the Director, NBPGR or any other officer nominated by him to inspect the premises of the tenderer at all reasonable times and shall give full assistance and information as may be required by him in connection with the contract.
- e. The tender is liable to be rejected if complete information is not given therein or if the particulars and date (if any) asked for in the tender are not duly & fully filled in. Particular attention may be given to the dates of delivery, places of delivery and also to the particulars referred to in the conditions of contract so as to comply with them.

2. PROCEDURE FOR SUBMISSION OF TENDERS / BIDS:

The tender should be submitted in 'TWO BID' SYSTEM:-

i. <u>TECHNICAL BIDS:</u>

- a) <u>TECHNICAL BIDS for each item</u> is to be submitted in separate envelope, sealed and superscribed with the wordings "<u>TECHNICAL BID</u>" for "_____" (Name of item).
- b. The original copy of tender (Annexure ° I to Annexure VI), duly completed and signed on each page, should be submitted/returned, enclosed along with the "TECHNICAL BID".
- c. The "Technical Bid" shall contain Earnest Money and the Cost of the Tender Document (if downloaded from the web), both in the form of demand drafts as prescribed herein before, and all the technical details & documents along with commercial terms and conditions in support of the quoted equipment.
- d. The Earnest Money Deposit (EMD) for each item should be submitted in separateen velope super-scribed with the wordings " \underline{EMD} ".
- e.Prices / Costs of the items <u>should not be</u> indicated anywhere in the Technical Bid. This should be followed meticulously failing which the tender will be rejected.

ii. PRICE (FINANCE) BID

- a) PRICE (FINANCE) BID for each ITEM is to be submitted in SEPARATE sealed envelopes, super scribed with the wordings "PRICE (FINANCIAL) BID" and the NAME OF THE ITEM". All such sealed envelopes of Price Bids for individual items are tobe kept in a large sealed envelope, again super-scribed with the wordings "PRICE(FINANCIAL) BID". This should be followed meticulously failing which the tender is liable to be rejected.
- b) The 'Price/Financial Bid' will contain item-wise price / cost for the items mentioned / quoted in the Technical Bid.
- c) The comparison of price shall be taken on the date of opening of tender in case of foreign currency involved.
- iii. Both the Technical Bid envelope and the Price (Financial) Bid envelope, prepared as above, are to be kept in a larger single envelope super-scribed with "TENDER (TWO BID SYSTEM) FOR SUPPLY OF Equipments and Instruments so as to give a double cover protection.

iv.	The outer cover sho	uld also be sealed and addressed to the Director, NBPGR, New Delhi super	r-
	scribed tender for "		

NOTE: Tenders submitted without following the 'Two Bid' System procedure will be rejected.

3. LATEST HOUR FOR RECEIPT OF THE TENDER:

Your tender must reach this office not later than the date and time notified in the Tender Notice stated in the TENDER DOCUMENT. Any tender received after that shall be rejected. In the event of the stipulated date of opening of the tender being declared a closed holiday for Govt. offices, the date of opening of the tender(s) will be the next working day. Tender sent by hand delivery, should be delivered at this office not later than the due date and time stipulated in the schedule of tender.

- 4. THIS TENDER DOCUMENT IS NON-TRANSFERABLE
- 5. <u>PERIOD FOR WHICH THE OFFER WILL REMAIN OPEN AND PERIOD OF VALIDITY:</u>
 All tenders should remain open for acceptance for <u>a period of Six months</u> from the date <u>ofopening</u> of the tender.

6. **OPENING OF TENDER:**

- I. The **Technical bids** will be opened on the specified date and time in the presence of bidders/representatives who choose to attend on the date and time as mentioned.
- II. The bidders/ representatives who are present in the opening shall sign the attendance sheet to mark the presence.
- III. The **Price** (**Financial**) **bids** of the bidders whose Technical Bids are found technically suitable (after the selection of samples / demonstration of equipment / Item, if any) only will be opened later. **Thedecision of the committee on technical suitability shall be final and shall not be opened for discussion.**

7. PRICES:

- i) Prices are to be quoted in Indian Rupees/FOB.
- ii) Prices quoted in the Price (Financial) Bid must be meaningful and measurable in the context.
- iii) The prices quoted must be per unit shown in the schedule inclusive of all packaging, installation and delivery charges wherever applicable. Refunds on account of returnable package (if any) are to be separately specified. Price must be clearly shown in figures and words.
- iv) Tenderers should clearly specify whether prices quoted are inclusive of Sales Tax/ VAT / duties /statutory charges or such charges as extra. Where no specific mention is made to Sales tax / VAT/ or other duties, prices quoted shall be **deemed to be inclusive of such taxes** / charges.
- v) The Director, NBPGR is not authorized to issue 'C/D forms'.

8. BID SECURITY / EARNEST MONEY:

The EMD/bid security may be submitted with appropriate value for each item separately as indicated in $\underline{\text{Annexure}} - \underline{V}$.

9.

a) SECURITY DEPOSIT / PERFORMANCE SECURITY:

On acceptance of the tender, within the period specified by the Director, NBPGR, the successful tenderer / contractor shall deposit a sum equivalent to 10 % (Ten Percentages) of the contract value, roundedoff to the nearest Rupee valid upto 60 days after the date of completion of all contractual obligations by the supplier including the warranty obligation before the supply is made. This has to be in the form of a Bank Draft / Bank Guarantee,(Annexure VI) drawn in any of the nationalised bank, in favour of the Director, NBPGR, New Delhi. On due performance and successful completion of the contract in all respect including warranty period, the security money deposit shall be returned to the contractor without any interest. Also, non-performance/unsatisfactory performance or violation of terms and conditions of the contract will make the contractor liable for forfeiture of security deposit. The decision of the NBPGR shall be final and binding on this count.

10. <u>DELIVERY TERMS:</u>

- a) **Time and date of delivery**: The time and the date of delivery of the stores / date of execution of work as stipulated in the schedule shall be deemed to be the essence of contract and delivery / execution must be completed not later thanthe date(s) specified. The delivery of the stores / execution of work / providing the services etc. are required to be completed within a period as specified in the purchase order and at the place mentioned therein. Normally maximum of 6 weeks time is allowed from the date of issue of the purchase order for execution of the supply of the equipment / article. However, the time allowed for execution of order shall be governed by the stipulated time mentioned on the purchase order of Delivery of equipment / Items.
- b) For the purpose of the contract FOB value will be taken into consideration only.
- c) Delivery period for goods including Erection/installation and commissioning (if required, depending on the goods ordered) are to be completed within 90 days after opening of LC for imported item.

	the goods ordered) are to be completed within 90 days after opening of LC for in	ported item.
d)	Terms of Inspection by the purchasers representative.	
e)	Training of purchaser's operator(s) for operating the goods ordered,	as and if necessary
	operator(s) is/are to be trained for a period of	_ Weeks at purchaser's
	premises/supplier's premises for successfully operating the goods purchased.	The training shall be
	completed by	
f)	In case this office does not receive supply of the above item(s), by due orex the above stated order will stand CANCELLED, unless extension is soughtfor competent authority for the late supply.	

11. PAYMENT TERMS:

- a) 100% Payment will be made only after supply, inspection, complete installation and satisfactory demonstration of performance of the item / equipment / instrument (including supply of all accessories) subject to deposition of a sum equivalent to 10 % (Ten Percentages) of the contract value as mentioned under Security Deposit / Performance Security Clause mentioned above or submission of Performance Bank Guarantee for 10% value of the order valid for the warranty period from any Scheduled Bank. No advance payment before effecting supply as above either part or full of any kind shall be made under any circumstances.
- b) Payment shall be made through **Electronic Clearing System/RTGS/Letter of Credit**. Normally, payment is made within six weeks after satisfactory inspection, installation and performance of the item / equipment / instrument subject to submission of appropriate and correct invoice, Challans and other documents as deemed fit.

12. Other Terms

- a) Dispute Resolution Mechanism (Arbitration): If any dispute or difference arises between the purchaser and the supplier relating to any matter connected with the contract, the parties shall make every effort to resolve the same amicably by mutual discussions. However, if the parties fail to resolve the dispute or difference by such mutual discussion within 30 days, either the purchaser or the supplier may give notice to the other party of its intention to refer the same to arbitration. The arbitration shall commence thereafter. The arbitration shall be conducted by a sole arbitrator, who will be appointed by Director, NBPGR on behalf of the Secretary, ICAR and the procedure to be followed in this respect will be as per the Indian Arbitration and Conciliation Act, 1996. The venue of the arbitration shall be the place from where the contract is issued.
- b) <u>Document</u>: The tenderer should have a valid <u>Trade licence</u>, <u>PAN / TAN / other statutory document as applicable</u> and produce attested copies of such certificates along with the tender papers in Technical Bid, failing which the tender is liable to be rejected.
- c) <u>Right to accept / reject</u>: The NBPGR authority reserves the right to reject any or all tender without assigning any reason whatsoever. Also, the NBPGR authority reserves the right to award any contract to any successful agency at its discretion and this will be binding on the tenderer.

13. Liquidated Damage Clause:

If any time during the performance of the contract, the supplier encounters conditions hindering timely delivery of the goods, the supplier shall promptly inform the purchaser in writing the fact of the delay and likely duration of the same. After receipt of suppliers communication, the purchaser shall decide as to whether to cancel the contract for the un-supplied portion after the existing delivery period, or to extend the delivery period suitably by issuing an amendment to the contract. If the supplier fails to deliver the goods and / or perform the services within the contractual delivery period for reasons other than circumstances beyond supplier's control (which will be determined by the purchaser) and the purchaser extends the delivery period, the purchaser will also deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% (half per cent) of the delivered price of the delayed goods or unperformed services for per week of delay or part thereof until actual delivery of performance. The maximum limit of such deduction will however, be 10% (ten per cent) of the contract price of the delayed goods or services.

Further, during such delayed period of supply and / or performance, the supplier shall not be entitled to any increase in price and cost, whatsoever, or any ground. However, the purchaser shall be entitled to the benefit of any decrease in price and cost of any ground, whatsoever, of the goods & services, supplied during the period of delay.

The purchaser's letter (to the supplier, with copies endorsed to others concerned) extending the delivery period will be subject to the above conditions.

Assistant Admn. Officer (I

SPECIAL TERMS AND CONDITIONS

The following special terms and conditions shall apply for supply of **Equipments & Instruments**" at NBPGR, Pusa Campus, New Delhi -110012.

A. INSPECTION / INSTALLATION OF ITEMS / EQUIPMENTS:

Supplies shall be accepted as completed subject to satisfactory and complete installation (upto full potentials claimed for that respective equipment/ Item) of the equipment / items supplied including supply of all accessories, and certified by the assigned officer, and subsequent inspection by Indenting Officer and verification committee of NBPGR, New Delhi. Any defect found in the materials / equipment / items supplied / work done will render the supplies / work open to rejection and decision of the Indenting Officer and Verification Committee, NBPGR, New Delhi shall be final and legally binding. The tenderers shall have to take the same (rejected store) back at their own cost and risk, and shall replace such rejections with the items of standard specifications / quality as acceptable to the NBPGR, authority. Alternatively, the stores may be purchased from others / work may be executed through others, at the risks and costs of the tenderer, at the discretion of the authority.

B. WARRANTY / GUARANTEE:

Along with the **Technical Bid** the following information are to be provided exclusively.

- (i) All the equipments shall be carrying at least 1 (One) year warranty or as clearly mentioned in the Specifications of each item/ guarantee against defects of manufacturer/workmanship and poor quality of components. Accordingly, the tenderers shall indicate clearly and exhaustively the manufactory warranty / guarantee offered by them / by the manufacturing / supplying firms, its duration, as well as the various Terms & Conditions involved therein, at the time of submission of the <u>Technical Bid</u> papers.
- (ii) <u>Uptime guarantee</u>: During the warranty/guarantee period the firm will maintain the equipment in good working condition. All the complaints will be attended by the firm within 24 hours of the dispatch of a complaint to their office. The firm shall ensure that machine is set right within 10 days (Ten Days) of the intimation.

C. DETAILS OF ITEMS QUOTED:

It is mandatory to indicate the full name, make / brand, model number, and details specification of the equipments quoted by them, (in addition, a brochure of product information may be attached along with). Tenderers also have to indicate clearly the Name, Address and all Contact numbers of the MANUFACTURING FIRM

The payment will be made in shape of ECS/RTGS directly into the Bank Account of the Tenderer . Hence the Tenderer is requested to submit the mandate form duly filled in and submit along with the bills.

Assistant Admn. Officer (P)

TENDER APPLICATION/DECLARATION FORM

1		Name of the firm:-						
-	a	Full Postal Address:-						
	b	Cell Phone No.						
2	С	Telephone No:-						
	d	Fax No.						
e E-mail address:								
3		Date of Establishment of Firm:-						
		If your Firm Registered under:-						
4	a	The Indian Factories Act:-						
4	b	Any other Act, if not, who are the owners						
	U	(Please give full address):-						
5		Name and Address of your Bankers stating						
5		the name in which the Account stands / Bank						
		Details :-						
_		Are you in the list of approved contractors of						
6		any other organisations / institutions, if any						
		give details (Append extra page if necessary):-						
7		Any other information which you consider						
		necessary to furnish:						
			NG					
		UNDERTAKIN						
		 I, the undersigned certify that I have gone throug tenderdocument and undertake to comply with them 	1.					
		o. The rates quoted by me are valid and binding upon certified that the rates quoted are the lowest quoted for						
			2 11 1 1 1 11 21 21					
	Ι	e. The earnest money of ₹ to be deposed Demand Draft no,	Dt, drawn on					
	d	ank, Branch, I. I hereby undertake to supply the items as per directions.	ections given in the tender document / supply					
		order within stipulated period.	t the compact manay democited by making if any					
		 I/We give the rights to Director, NBPGR to forfeit delay occur on my/agent's part or failed to supply tems of desired quality. 						
	There is no vigilance/CBI case or court case pending against the firm.							
			Signature of the tenderer:-					
			Full Name:-					
			Designation:- (Office seal of the tenderer)					
	Ι	Date :	(Office seal of the tenderer)					

Place:

PLEASE QUOTE YOUR RATE AS PER THE GIVEN SPECIFICATION

The amount of Ernest Money /Bid security to be deposited for each of the item quoted is mentioned against each serialised item below. The Earnest Money for each item may be drawn separately. However. In such case, the detail break up of earnest money submitted for each item is to be furnished in a plain paper along with the bank draft and tender fees for each item needs to be submitted in separate envelope along with technical bids.

List of Instruments & Equipments

Sr.	Name of Item			Specification	Qty.	EMD
No.						amount
1.	BOD Incubator	Chamber Volume	:	275-300 liters	4 nos.	12000.00
		Shelves	:	Two-Three		
		Temperature Range	:	5°C to 60° C		
		Controller	:	Electronic controller with digital display		
		Controller accuracy	:	±0.5° C		
		Temperature uniformity	:	±1° C throughout chamber		
		Cooler	:	Plate fin cooler		
		Cool down time	:	40 min. upto 5° C without load		
		Air heater element	:	Tubular air heater with fins		
		Heat up time	:	30 min. upto 60° C without load		
		Sensor	:	Pt-100		
		Compressor	:	CFC free hermetically sealed branded compressor		
		Cyclic timer	:	0 to 24 hrs x 7 days cyclic on/off for illumination		
		Air circulation	:	Motorized blower from back		
		Internal Chamber	:	Made up of stainless steel		
		External body	:	Mild steel powder coated/ stainless, rust and corrosion proof		
		Outer Door	:	Insulated		
		Inner acrylic door	:	5-10 mm thick full size inner door		
		Stabilizer	:	5.0 KVA		
		Safety Device	:	For prevention of overheating		
		Interior Light	:	Fluorescence light		
2.	Hot Water				2 nos.	4000.00

	Treatment Tank	Chamber size (LXWXH)	•	100-115 x 75-85 x 60-75 cms with 10 cm thickness		
		Tank wall	:	Double walled, stainless steel, outer wall mild steel and powder		
		- 33-33		coated finish, rust and corrosion proof		
		Temperature range	:	up to 70° C		
		Temperature setting	:	Electronic Indicator-controller/sensor with digital display		
		Controller accuracy	:	±0.5° C		
		Temperature uniformity	:	±0.5° C throughout chamber		
		Water circulation	:	Standard fittings with Tulu pump for uniform temperature		
		Water drain system	:	Motorized system to drain filled water from tank completely		
		Lid	:	Stainless steel gable type cover		
		Operable at	:	230V AC current		
		Safety device	:	For prevention of overheating		
		Body fixing	•	Complete body mounted on castors (wheels) for easy mobility		
3.	Cryotank with				1 nos.	15000/-
	metal racks and	A liquid nitrogen (LN) cr	yotank v	vith metal racks for storage of plant germplasm in cryovials held		
	accessories (App.	in cryoboxes. It should ha				
	110 L)					
	,	1. The cryotank should	d have a	capacity to hold approximately 100-125 liters of LN and have		
		excellent vacuum in	sulation	that minimizes LN evaporation and a fairly long static holding time		
		(>110 days). LN fil	lling syst	em to be manual.		
		2. Cryovials to be store	ed in cry	oboxes held in metal racks systems (stainless steel) for quick and		
		efficient sample retr	rieval. N	o. of metal racks should be 4, with each metal rack having the		
		capacity to hold 10	cryobox	es. Each cryobox should be able to hold cryovials of 1.8-2.0 ml		
		capacity (81-100 cr	yovials p	per box)		
		3. Cryotank should be	with fac	tory/ customer installed automatic level monitor for LN. Monitor to		
		provide continuous	LED rea	dout of LN level and temperature, and have optional alarm sounds		
		when LN level falls	below s	afe range.		
		4. The samples should	be store	d below -180° C even at low levels of LN in the vessel.		
		5. The cryotank should	d have se	cure locking system to prevent unauthorized entry.		
		6. Please quote separat	tely for f	following accessories (compatible with the cryotank as above):		
		a. Roller ba	ased/whe	eeled cart accessory for the cryotank which should be at least 4 inches		
		high-two)	•		
		b. Cryoclay	w- two			

		c. Cryoboxe	es- 50		
		d. Cryiovial	s (multicolour caps, inner thread screw cap, self standing) – 20,000		
		7. Quotation sho	ould include cost of procurement, installation, insurance, duty etc.		
		8. Warranty of v			
		9. Please provid	le details of authorized dealership/manufacturing of instrument.		
		10. Establishmen			
		manufacturer	to be provided to check authenticity of equipment.		
4.	Split Air	Supply, installation, testing	and commissioning of Split type Air Conditioner, with compatible voltage	2 nos.	4000.00
	Conditioner, 3ton	stabilizer, fitted with hermet	tically sealed rotary/reciprocating compressor suitable for operation on 230V,		
		50 Hz, single phase, A.C. F	Power supply and capable of cooling, dehumidifying and circulating filtered		
		air.			
		Technical Specifications			
		Cooling Capacity	: 3 ton		
		Power Supply	: 1 phase, 230 V, 50Hz a.c.		
		Air Filter	: 90% or more efficiency, washable HDPE air filters		
		IDU	: Wall mounting type with wireless remote control		
		ODU	: Powder coated sheet metal parts with anti corrosive coated aluminum fins condenser coil		
		Star rating	: 3 Star or above		
		Refrigeration piping	: All refrigerant piping should be pressure tested for 350 psig to rule out any leak. Necessary slope of copper drain pipe shall be provided. Unit rate of copper piping and cabling shall be quoted for extra piping beyond 5 meter.		
		Voltage Stabilizer	: Stabilizer having ISI quality certification and rating that matches with the power rating of the A/C unit		
		Remote handset	: LCD display with night glow		
		Note	: Only branded make is acceptable		
		Quantity	: Two units		
		Installation, Commissioning	and testing with electrical connections are to be done by the vendor.		

5.	Refrigerator				7 nos.	7000/-
		1. Capacity	:	300-400 liters or above		
		2. Temperature of freezer	:	-10 to -18°C		
		3. Temperature of refrigera	tor :	4°C		
		4. Number of door	:	Double door (02)		
		5. Defrosting type	•	Frost free		
		6. Material used for shelves	s :	Split proof toughened /tempered glass		
		7. Door lock	:	Yes		
		8. Deodorizing	:	Yes		
		9. BEE rating	:	3-5		
		10. Digital sensor	•	Yes		
		11. Number of shelves	:	3-4 or higher		
		12. Interior light	:	LED		
		13. Power supply	:	$220 \pm 10 \text{ volt}, 50 \text{ htz}$		
		14. Stabilizer	:	Inbuilt/provide separately		
		15. Installation	:	Free		
		16. Body warranty	:	One year		
		17. Compressor warranty	:	5-10 years		
6.	Refrigerator				02	4000/-
0.	1101118010001	Capacity : 5	500-600 lit	ters	02	1000,
			-10 to 18°			
		1 1	4° C			
		1 1	Double do	or (02)		
			Frost free			
		0 • 1		toughened/tempered glass		
			Yes			
			Yes			
			3-5			
		_	Yes			
			3-5			
			LED			
		\mathcal{E}	220±10 vo	olt, 50 htz		

	I		1	1
		Stabilizer : Inbuilt/provide separately		
		Installation : Free		
		Body warranty : One year		
		Compressor warranty : 5-10 Years		
		Body fixing : Complete body mounted on castors/ stand for easy mobility.		
7.	Horizontal	1. Work Area- 1200 x 600 x 600 mm (Approx.) (W x D x H) with SS table top.	3 nos.	6000/-
	Laminar Air Flow	2. Air Cleanliness – As per the specification of U.S. Federal Standard 209 E (Class 100) – ISO-5.		
		3. Gas cock should be provided on both the sides of table top.		
		4. Pre-Filters 5 microns air filtration with 90% efficiency, in SS Frame.		
		5. Hepa Filters made from imported filter media for 99.97% efficiency down to 0.3 micron (Attach		
		Certificate/ invoice).		
		6. Imported Magnahelic gauge should be provided for differential pressure across Hepa Filters,		
		Magnahelic pressure gauge reading should be 13-18 mmwg.		
		7. Material of construction – All SS 304 grade sheet and sections body frame, Not less than 18		
		Swg.b Test report should be submitted alongwith.		
		8. Pre Filters should be easily removable and washable.		
		9. Fluorescent tube (2Nos.) should be ISI marked provided with electronic ballast 2 x 36/40 watt.		
		10. 1 x 30 watts UV Germicidal tube branded/ ISI marked should be fitted in the working area.		
		11. U.V. Resistant Polycarbonate Sheet door in two sections with SS/ brass hinges.		
		12. Side panels should be UV resistant, polycarbonate sheet.		
		13. SS Drawer fitted below the work table with lock and key should be on channel.		
		14. 5/15 Amps. Switch/ Socket ISI marked (3 Nos.) should be provided.		
		15. Temperature controlled Glass Beads Sterilizer with 50 x 50 mm crucible.		
		16. Noise level should be less than 60 db. (Must be got tested at site within 1 meter distance).		
		17. Air Velocity should be 90 ± 20 fpm in front of Hepa Filter at working area.		
		18. ISO/MSME certified Manufacturing units will be preferred.		
		19. Class 100 working conditions testing at side by Laser Based particle counter will be done by		
		vendor.		
		20. Motor should be branded and ISI marked.		
		21. Horizontal Laminar Air flow benches should be supplied with suitable cord and plug to be work		
		on 220 V \pm 10%, 50 Hz \pm 1 single phase power supply.		
		22. Warranty should be provide for all parts upto 24 months from date of installation.		
		 All the tests should be done by vendor at the time of installation on site. 		
<u></u>		An the tests should be done by vehiclor at the time of installation on site.		

8.	UPS (3KVA) with	An on line LIDS quitchle for	linear and non-linear loads with following specifications is required:	02 nos.	8000.00
	batteries (DGR)	1. Technology	: Latest State-of-art technology		
		2. Capacity	: 3 KVA		
		3. Input voltage	: 140-280 V, 50 Hz		
		4. Output voltage	: 220 V + 1% (Static and dynamic)		
		5. Output Frequency	: 50 Hz + 0.01 %		
		6. Wave Form	: Pure Sinewave harmonic distribution less than 2%		
		7. Protection	: Overload, over heating with alarms and visual indication		
		8. Back up time	: 60 min.		
		9. Recharge time	: Corresponding to safer tickle charge of approximately 10% of float		
			charge.		
		10. Over loading	: 5 to 6 times for ½ hr. 1.2 to 1.25 times for 10 min or more		
		11. Batteries	: Rechargeable, heavy duty, dry, sealed maintenance free of		
			international brand with complete specification at the time of offer.		
		12. All components show	ald confirm to ISO/DIN/MIC/BIS standards accordingly with circuit		
		drawings.			
		13. To be supplied with	battery stand/ racks suitable for installation.		
9.	UPS (3KVA) with	Capacity	: 3 KVA	02 nos.	8000.00
	batteries (PQD)	UPS Type	: Online double conversation		
		Total Harmonic distortion	: <3% for 100% linear load		
		Operating temperature	: Less than 50 dBA		
		Crest Factor	: $0-40^{\circ}$ C		
		Humidity	: 0-95% non –condensing		
		Output wave form	: Pure Sline wave		
		Input voltage range	: 160V AC to 270 V AC, single phase		
		Input frequency range	: $50 \pm 10\%$ Hz		
		Input Power Factor	: 0.9 or better at full output load		

				20077 1 0 1 1 1 1	1	
		Output voltage	:	230V AC \pm 1%, single phase		
		Output frequency	•	50 Hz $\pm 0.5\%$		
		Inverter efficiency	:	90% or better on rated full load		
		Overall efficiency	:	80% or better on rated full load		
		Overload capacity	:	110% for 2 min. & 125% overload for 60 sec.		
		Load power factor	:	0.8 lagging		
		Battery type	:	Sealed maintenance free lead acid type of 12 V or more		
		Battery recharge time (100%):	:	Battery recharge time should not exceed 8 hours		
		Protection	:	Required for short circuits, over loading, over temperature, input		
				low/high voltage control and DC low/high voltage trip		
		Indications	:	Load on battery, battery level, inverter over load and over		
				temperature		
		Audible alarm	:	Main failure, battery low and inverter overload		
		Warranty	:	Minimum two years warranty		
0.	Hepa Filter	HEPA filter for AHU:			08	7000/-
		Supply and fixing of 8 units of				
		Specifications:				
		Hepa Filters made of micro gla	ass fit	ore with corrugated aluminum foil separation and mounted in		
		anodized aluminium frame sea	aled w	rith epoxy sealant and with rubber gasket on all four sides. The		
		minimum filter efficiency of the	he enc	capsulated filter should be 99.97% on 0.3µm particles. Minimum		
		warranty of two years				
		Size: approx. 2ft (1) x 2ft (b) x	x 1ft (1	thick)		
		HEPA filter for Laminar air	flows	S:	08	
		Supply and fixing of HEPA fil	lter in	8 Laminar flows.		
		Specifications:				
		-	glass	s fibre with corrugated aluminum foil separators and mounted in		
				with epoxy sealant and with rubber gasket on all four sides. The		
				ncapsulated filter should be 99.97% on 0.3µm particles; compatible		
		•	ke given below). Minimum warranty of two years.			
		Size as detailed below:	o (iviai	ce given ociow). Ivinimum warranty of two years.		
		Sl. Make	No. of	f Size of LAF Approx. Size of filter (1 x Hepa filters		

	T	1 [T	•
		No.		Laminar air	(ft)	b x thickness) (ft)	(Quantity)		
		1	771	flows	4 2	2 4 0 5	1 1		
		1.	Klenzoids	1	4 x 2	2 x 4 x 0.5	1 x 1pc		
		2.	Toshiba	1	4 x2	2.5 x 2 x 0.5	1 x 1 pair		
		3.	Atlantis	3	4 x2	2 x 2 x 0.5	3 x 1 pair		
		4.	Toshiba	3	6 x 2	2 x 3 x 0.5	3 x 1 pair		
1.1	N. 1. C 1	DI (• ,	D: 4	/0 /0	•		0.1	4000/
11.	Multifunctional		copier type		er/Scanner/Co	L	/ : -	01	4000/-
		Digital Configuration : Black & White multifunction system with automatic document feeder (ADF) ADF Capacity : Minimum 50							
	Photocopier								
			ting System						
		Proces							
		Memo	•						
			num original size						
		Displa	•						
		_	uter interfaces						
		Paper (Capacity		mum 250 shee	ts x 2 Trays; minimum 100)- Sheet Bypass		
				Tray					
			Up time	1.1	roximate 30 sec				
		Copier	• -	_	tal Multifuncio				
			num number of copi		mum 10000 pe	er month			
		1	paper size		imum A3				
			ing zoom	: 50-2					
		1 0	ng Resolution		mum 600 x 60	*			
		Copy r			, photo, text/ph	oto			
			x Printing		matic/Manual				
			ig Speed			A4) and 10ppm (A3)			
			opy time		roximate 7 seco	onds			
			al Size		imum A3				
			g resolution	: Mini	mum 600dpi				
		Netwo	rk Printing	: Requ	iired				

				1	1
		Print cartridge	: Black		
		Toner Capacity	: Approx. 10,000-15000		
		Scan size	: Maximum A3		
		Scan resolution	: Minimum 300dpi		
		Scan speed	: Minimum 20 ppm		
		Scan file format	: JPEG and PDF		
		Power consumption	: Maximum 1000 watt		
		Electrical Requirement	: AC 230 V \pm 10%		
		Stabilizer	: Suitable to machine		
		Warranty	: Minimum one year		
12.	LAN		•		12000/-
	Administration	Switch &Fibre Components:			
		_	ch 24 Port (10/100/1000 Mbps) with support of 4 Fibre ports – Dual Flash	6	
			IPv6 ready (with IPv4/IPv6 dual stack capability), Life time warranty till		
			th advance replacement.		
			Mbps of same make as of switch at Sr. no 1	4	
		3. SM Media Converter 10		6	
		4. OFC12 Core Single Mo		350 mtr	
		5. OFC Connectors		50	
		6. Fiber coupler		50	
		7. 24 Port LIU loaded (Ra	ckmountable)	1	
		8. 12 port LIU fully Loade	,	2 mtr	
		9. 6 port LIU fully loaded		3	
		10. SM LC-LC Fibre Patch		20	
			0mm rack with front glass and rear steel door, 5/15 amp power strip, 3	1	
			ble manager and hardware, UL certified rack		
			of above items including Rack/LIU fixing, fiber cable laying (6 crore),		
		fibre cable/pigtail splici			
			E, 300 Mbps, 2.4 Ghz, 128 &64 bit encryption with 128-bit WEP, 64-bit	3	
			s, WPA-PSK, WPA2-Enterprise, WPA2-PSK, MAC Address Filtering)		
		including installation ar	· · · · · · · · · · · · · · · · · · ·		
		Other/ Additional Compon	onts		
		Other/ Additional Compon	CHO CHO		

		 UTP CAT 6 cable RJ45 Couplers CAT5e (F-to-F-type) 32mm PVC conduit/channel with fixing 1KVA Offline UPS with min 2 Hrs Backup Rackmountable PS2/USB 8 port KVM Switch 3 Outlet Power Extension/Surge (3 Mtre cord + plug) 6 Outlet Snake Power Strip Indian Standard with Circuit Breaker Dual Pole Illuminate Switch 15 Amp. All items may be ordered in full or part so unit quantity wise prices should be quoted. 	305 mtr 10 150 mtr 1 1 4 2	
13.	Split A.C 1.5 ton (NP-R)	 Cooling capacity of compressor : 4500k cal/Hr. Thermostat working range : 16°C to 30°C with differential + 2°C Current rating not exceeding : 25 Amp. Operating voltage : 140 V to 260V.50 Hz. Single Phase Air filters provided should be cleanable type and synthetic make Indoor unit shall be made of flame retardant and impact resistant Overall power factor of the unit shall be at least 0.85. A/C shall be capable of performing the functions as cooling, de-humifying, Air circulating and filtering. Compressor shall be of I.S.O. confirm reputed firm Firm should quote rate along with installation charge including suitable voltage stabilizer and condensing unit's frame. 4 Star rating Installation, commissioning and testing with electrical connections are to be done by the vendor 	4 nos.	2800.00
14.	Split AC 2.0 ton	Supply, installation, testing and commissioning of Split Type Air conditioner, with compatible voltage	1	1100.00

(CRP-AB)	stabilizer, fitted with her	metically s	sealed rotary/reciprocating compressor suitable for operation on 230	
	V, 50 Hz single phase, A	.C. power	supply and capable of cooling, dehumidifying and circulating filtered	
	air.			
	Technical Specification:			
	Cooling Capacity	:	2.0 ton (6000 Kcal/h)	
	Power Supply	:	1 phase, 230 V, 50 Hz a.c.	
	Air Filter	:	90% or more efficiency, washable HDPE air filters	
	IDU	:	Wall mounting type with wireless remote control	
	ODU	:	Powder coated sheet metal parts with anticorrosive coated	
			aluminium fins condenser coil.	
	Star rating	:	3 Star or above	
	Refrigeration Piping	:	All refrigerant piping should be pressure tested for 350 psig to rule	
	out any leak. Necessary s	slope of co	opper drain pipe shall be provided. Unit rate of copper piping and	
	cabling shall be quoted for	or extra pi	ping beyond 5 meter.	
	Only branded make is ac	ceptable.		
		-		
	Installation, commissioni	ing and tes	sting with electrical connections are to be done by the vendor.	

Annexure – VI

BANK GUARANTEE FORM FOR BID SECURITY

Whereas
bidder") has submitted his bid dated (date) for the supply of
(brief description of the relevant goods and services) hereinafter called "the bid").
KNOW ALL PEOPLE by these presents that WE (name of the bank)
having registered office at (full address) (hereinafter called "the bank") are bound unto
(Name of the purchaser) (hereinafter called "the purchaser") in the sum of
(amount in figures and in worlds) for which payment well and truly to be, made
to the said purchaser, the bank binds itself, its successors and assigns by these presents.
Sealed with the Common Seal of the said bank this
20
THE CONDITIONS of this obligations are:
1. If the bidder
(i) Withdraws its bid during the period of bid validity specified by the bidder on the bid form; or
(ii) Does not accept the correction of errors in accordance with the Instruction to Bidders
OR
2. If the bidder, having been notified of the acceptance of its bid by the purchaser during the period of bid validity:
(i) Fails or refuses to execute the contract form, if required; or
(ii) Fails or refuses to furnish the performance security, in accordance with the Instruction to Bidders.
We undertake to pay to the purchaser up to the above amount upon receipt of its first written demand, without
the purchaser having to substantiate its demand, provided that in its demand the purchaser will note that the
amount claimed by its is due to it, owing to the occurrence of one or both of the above mentioned two
conditions, specifying the occurred condition or conditions.
This guarantee will remain in force up to and including 60 (sixty) days after the period of bid validity and any
demand in respect thereof should reach the bank not later than the above date.
Signature of the Bank SEAL of the Bank
Date :
Place :